Gardens Point campus
2 George Street, Brisbane
Postal Address: GPO Box 2434 Brisbane Q 4001
Telephone: (07) 3864 2111
Fax: (07) 3864 1510

Kelvin Grove campus
Victoria Park Road, Kelvin Grove, Brisbane
Postal Address: Locked Bag No 2 Red Hill Q 4059
Telephone: (07) 3864 2111
Fax: (07) 3864 3998

Carseldine campus
Beams Road, Carseldine, Brisbane
Postal Address: Beams Road Carseldine Q 4034
Telephone: (07) 3864 2111
Fax: (07) 3864 1510

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PREFAE

History

The Queensland University of Technology (QUT) was created in January 1989 by redesignation of the Queensland Institute of Technology (QIT). QIT had its origins in the Central Technical College, which was established in 1914 on what is now the University’s Gardens Point campus. On its formation in 1965, QIT absorbed the professional courses offered by the Central Technical College and in its first year enrolled some 2000 part-time students.

In May 1990, QUT amalgamated with the Brisbane College of Advanced Education (BCAE), a large multi-campus institution specialising in the arts, business, education and the social sciences. BCAE was formed by an amalgamation that took place in January 1982, its precursors being the Kelvin Grove, Mount Gravatt and North Brisbane Colleges of Advanced Education and the Brisbane Kindergarten Teachers’ College. These institutions were established, under other designations, in 1914, 1969, 1961 and 1907 respectively. The Mount Gravatt campus of BCAE was transferred to Griffith University in January 1990 prior to BCAE commencing amalgamation negotiations with QUT.

The institution resulting from the amalgamation of BCAE with QUT has retained the title Queensland University of Technology. It is a major university in the Australian context with a broad academic profile and an increasing involvement in research and postgraduate education. QUT has an enrolment approaching 27,000 students and expectations of sustained growth. It currently has campuses at Carseldine, Kelvin Grove and Gardens Point, all in metropolitan Brisbane.

Mission

Within its mission statement QUT has identified three main goals:

- **Teaching** — to ensure that its graduates acquire knowledge, professional competence, a sense of community responsibility, and a capacity to continue their professional and personal development throughout their lives.

- **Research** — to advance and apply knowledge germane to the professions and to the communities with which it interacts, and relevant to the enhancement of economic, cultural and social conditions.

- **Service** — to contribute to the development of Australia’s international responsibility and competitiveness; to enhance QUT’s relationship with the professions; and to increase community awareness of issues through professional service and social commentary.

Council

The Council is the University’s governing body, with responsibility for advertising the University in accordance with the Queensland University of Technology Act 1988-1990. The Council consists of 22 members, of whom eight are nominees of the Minister for Education, one is a nominee of the Director-General of Education, two are nominees of the Council, two are elected non-academic staff members, three are elected academic staff members, two are elected student members and two are elected Convocation members. The Chancellor and Vice-Chancellor are members ex officio. The Chancellor is Chairperson of the Council and the Registrar is Secretary.
Convocation

Convocation represents the interests of QUT graduates through its representation on Council and its influence on University decision making, particularly in regard to teaching and applied research.

Convocation is chaired by a Warden and is served by a Standing Committee. The full Convocation meets annually and its functions are performed through the year by the Standing Committee.

Information

In addition to the Handbook, the University produces a range of publications to which the public has access. These include the Research and Consultancy Report, the Annual Report, the University’s Manual of Policy and Procedures (MOPP) and the Admission Procedures booklet. These publications are available in the University’s Libraries or may be obtained on request from the Registrar.

Note: All correspondence should be addressed to:

The Registrar
Queensland University of Technology
GPO Box 2434
Brisbane Qld 4001
Australia

QUT is subject to the Queensland Freedom of Information Act 1992 which commenced on 19 November 1992.
### PRINCIPAL DATES

The schedule of dates which appears below is the University's official calendar. Not all courses comply with the official calendar in every respect. Detailed information on individual course calendars is available from faculty offices and Student Administration.

#### Academic Calendar

**Public Holidays**

<table>
<thead>
<tr>
<th>Date</th>
<th>Holiday</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 January</td>
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<tr>
<td>26 January</td>
<td>Australia Day</td>
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**Summer School**

<table>
<thead>
<tr>
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<td>4</td>
<td>29 January – 02 February</td>
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**First Semester**

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<tr>
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<td>04 – 08 March</td>
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<td>11 – 15 March</td>
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<td>25 – 29 March</td>
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<td>10</td>
<td>01 – 04 April</td>
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<td>08 – 12 April</td>
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<td>12</td>
<td>15 – 19 April</td>
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<td>13</td>
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<tr>
<td>19</td>
<td>03 June – 22 June</td>
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<tr>
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**Second Semester**

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<td>23 – 27 September</td>
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<td>30 September – 04 October</td>
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<td>16</td>
<td>21 – 25 October</td>
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<tr>
<td>17</td>
<td>28 October – 01 November</td>
</tr>
<tr>
<td>18</td>
<td>04 – 23 November</td>
</tr>
</tbody>
</table>

### Holiday Dates

- 01 January – New Year's Day
- 26 January – Australia Day
- 05 April – Good Friday
- 06 April – Easter Saturday
- 08 April – Easter Monday
- 25 April – Anzac Day
- 06 May – Labour Day
- 31 March First Semester Census
- 10 June – Queen’s Birthday
- 24 June – Labour Day
- 14 August – Exhibition Day (unconfirmed)*
- 31 August Second Semester Census
- 04 – 23 November Examinations (includes Saturdays)

* The Brisbane Exhibition normally falls on the second Wednesday of August.

**Exam preparation**

- 17 December – Christmas Day
- 26 December – Boxing Day
COUNCIL AND COMMITTEES

Council

Composition, membership, powers and responsibilities of QUT Council are governed by the Queensland University of Technology Act. Procedures for elections, meetings and dealing with business in Council, are specified in QUT Statute 2 - Council.

Council is empowered to establish committees and to delegate power to committees or officers of the University. While Council is ultimately responsible for the management and operation of QUT, it has delegated authority to the chief executive officer, the Vice-Chancellor, and to various senior administrators of QUT for much of the day-to-day management of the University. Council has also established a number of advisory committees, some of which have been authorised to make decisions in respect of prescribed policy and procedural matters.

Council Membership
(As at 1 September 1995. A new Council will take office in December 1995.)

Chancellor (Chairperson)
Dr C. Hirst, MBBS BEdSt Qld

Vice-Chancellor
Professor R.D. Gibson, BSc(Hons) Hull, MSc PhD N’cle(UK), DSc CNAA, FIMA, FAIM

Nominees of the Minister for Education
P.D. Beattie, BA LLB Qld, MLA
A. Chaplain, BA Griff, MBA Melb, DipSIA
Dr C. Emerson, MEc Syd, PhD ANU
L.N. Ledlie, AM, BEdcon Qld
J. Schafer, LLB(Hons) Qld
J.J.W. Siganto, BEng Qld, FIEAust, MAIRAH, FASHRAE, RPEQ
S.M. Wilson, BCom LLB Qld

Nominee of the Director-General of Education
R Sullivan, CertT BA BEd MEd FACE

Nominees of Council
A. Gould, AM, DipDrama Lnd Academy of Music & Dramatic Art
Dr C.J. Hillyard, BSc(Hons) PhD Lond.

Elected non-academic staff members
E.D. Harding, BA Qld
J.M. Wright, CertChem QIT, BAppSc

Elected academic staff members
T.G. Lewis, BSc BEd Qld, MSc Aston, MSc Griff., DipRHS, MAIP
G.I. MacKenzie, LLB QIT, LLM
L.G. Wiseman, LLB(Hons) LLM Lond.
Elected student members
E. Griffiths
C. Schougaard

Elected Convocation members
L. Hayes, DipT DipREd BA GradDipREd GradDipRdg Brisbane
P.J. McGahan, BAppSc (Ind.Chem.) GradDipBusAdmin QIT

Secretary
B.S. Waters, BCom Qld, AAUQ(Prov)

Deputy Vice-Chancellor (attends by invitation)
Professor O.P. Coaldrake, BA(Hons) James Cook, PhD Griff., FAIM, FRIPAA

Tenure
Council serves a three-year term.

Aboriginal and Torres Strait Islander Committee

Membership
Chairperson nominated by the Pro-Vice-Chancellor (Academic) after advice from the Committee.
Pro-Vice-Chancellor (Academic) ex officio.
Aboriginal and Torres Strait Islander Unit Coordinator as executive officer of the Committee ex officio.
Two academic staff within the Aboriginal and Torres Strait Islander Unit elected by the academic staff of the Unit.
Two Aboriginal and Torres Strait Islander academic staff of the University other than from the Aboriginal and Torres Strait Islander Unit nominated by the Committee.
One nominee of University Academic Board who is a member of Council.
Aboriginal/Torres Strait Islander representative on QUT Student Guild Council ex officio.
Equity Coordinator or nominee.
One nominee of QATSIECC (Queensland Aboriginal and Torres Strait Islander Education Consultative Committee).
One nominee of the State Director of Department of Employment, Education and Training.
One nominee of the Aboriginal and Torres Strait Islander Commission (South-East Queensland Regional Council).
Two nominees from Aboriginal and/or Torres Strait Islander organisations.
One nominee of the Queensland Department of Employment, Vocational Education, Training and Industrial Relations.
A nominee of the Registrar as secretary.

Tenure and frequency of meeting
Council members hold office for the term of the Council which nominates them (three years).
Nominated members serve a two-year term.
Ex officio members remain members for as long as they hold the position relevant to their membership.
Student Guild members serve a one-year term.
Aboriginal and Torres Strait Islander Committee meets at least four times a year.
Academic Appeals Committee

Membership
Pro-Vice-Chancellor (Academic) or nominee as chairperson.
Director of Counselling and Health ex officio.
Two Council members nominated by Council.
Two members of academic staff from different Faculties appointed by the University Academic Board.
One member of the Student Guild appointed or elected in the manner determined by the Student Guild Council.
Equity Coordinator ex officio.
A nominee of the Registrar as secretary.

Tenure and frequency of meeting
Ex officio members remain members for as long as they hold the position relevant to their membership.
Council members nominated by Council hold office for the term of the Council which nominates them (three years).
Staff members appointed by the University Academic Board serve a two-year term.
The Student Guild member serves a one-year term.
The Committee meets as required.

Academic Board

Membership
Pro-Vice-Chancellor (Academic) ex officio as chairperson.
Vice-Chancellor ex officio.
Deputy Vice-Chancellor ex officio.
Pro-Vice-Chancellor (Research and Advancement) ex officio.
Associate Pro-Vice-Chancellor (Academic) ex officio.
Registrar ex officio.
Director of Information Services ex officio.
Deans of Faculty ex officio.
Chancellor or Council member nominated by Chancellor.
One Council member appointed by Council.
One academic staff member from each Faculty (four of whom would normally be at the level of professor/associate professor), appointed or elected in the manner prescribed by the relevant Faculty academic board.
Two members of the academic staff of the University, appointed or elected in the manner determined by the Academic Staff Association.
Two postgraduate students of the University, nominated by the Postgraduate Students’ Association of the University.
Six undergraduate students, appointed or elected in the manner determined by the Student Guild Council.
In exceptional circumstances, up to four additional members with full membership rights may be nominated by the chairperson to address matters of representation and expertise.
A nominee of the Registrar as secretary.
One member shall be nominated as deputy chair of the University Academic Board by the chairperson of the Board.
Tenure and frequency of meeting

Ex officio members remain members for as long as they hold the position relevant to their membership.

Council members nominated by Council or the Chancellor hold office for the term of the Council that nominates them (three years).

Elected and other nominated staff members serve a two-year term.

Student Guild members and postgraduate students serve a one-year term.

The Board normally meets every six weeks.

Academic Procedures and Rules Committee

Membership

Chairperson of the University Academic Board or nominee as chairperson.
Registrar ex officio.
Director of Student Administration ex officio.
One academic staff member from each of four Faculties, nominated by and from the University Academic Board.
One academic staff member from each of the four Faculties not represented above, nominated by and from the relevant Faculty academic boards.
One member of the Student Guild appointed or elected in the manner determined by the Student Guild Council.
A nominee of the Registrar as secretary.

Tenure and frequency of meeting

Ex officio members remain members for as long as they hold the position relevant to their membership.

Nominated academic staff members serve a two-year term.

The Student Guild member serves a one-year term.

The Committee meets as required.

Admission Appeals Committee

Membership

Pro-Vice-Chancellor (Academic) or nominee as chairperson.
Counselling and Health Services Director ex officio.
Registrar or nominee.
One senior academic staff member nominated by the Vice-Chancellor.
One member of the Student Guild nominated by the Guild.
Admissions Manager as secretary.

Tenure and frequency of meeting

Ex officio members remain members for as long as they hold the position relevant to their membership.

The nominated academic staff member serves a two-year term.

The Student Guild member serves a one-year term.

The Committee meets as required.

Community Service Advisory Committee

Membership

Pro-Vice Chancellor (Research and Advancement) as chairperson (Acting).
One representative from each Faculty and Division:
- Arts
- Built Environment and Engineering
- Business
- Education
- Health
- Information Technology
- Law
- Science
- Academic Affairs
- Administrative Services
- Information Services
- Research and Advancement.
A representative from the Student Guild.
Four representatives from community organisations, local government, state government nominated by the committee.
A nominee of the Registrar as secretary.

**Tenure and frequency of meetings**
Members shall be appointed for a period of two years and may be eligible for reappointment.
The Committee shall meet at least twice a year.

---

**Convocation Standing Committee**

**Membership**
Warden of Convocation *ex officio* as chairperson.
Two members of QUT Council elected to Council by and from Convocation *ex officio*.
Five members elected by and from Convocation.
A member of QUT Foundation Alumni who is also a member of Convocation, nominated by the QUT Foundation Alumni Council.
A nominee of QUT Development Office (non-voting).
A nominee of the Registrar as secretary.

**Tenure and frequency of meeting**
*Ex officio* members remain members for as long as they hold the position relevant to their membership.
The five elected positions are held for one term, elections being held at the annual general meeting of Convocation. Members may be re-elected.
The nominated member serves a two-year term.
The Committee normally meets every six weeks.

---

**Equity Board**

**Membership**
Pro-Vice-Chancellor (Academic) *ex officio* as chairperson.
Chairperson of Aboriginal and Torres Strait Islander Committee *ex officio*.
Equity Coordinator *ex officio* as executive officer.
Equity Officer *ex officio*.
One nominee of each committee of Equity Board: Access for People with Disabilities, Q-Step Project Steering Committee.
One member of Council nominated by Council.
Two enrolled students appointed or elected in the manner determined by the Student
Guild Council.
One academic staff member elected by and from the academic staff of the University.
One non-academic staff member elected by and from the non-academic staff of the
University.
One Dean of Faculty appointed by the Vice-Chancellor’s Advisory Committee.
One academic staff member nominated by and from the University Academic Board.
One nominee of the Registrar from Student Administration Department.
One nominee of the Registrar from Counselling and Health Department.
One nominee of the Registrar from Human Resources Department.
A nominee of the Registrar as secretary.

Tenure and frequency of meeting
Council members hold office for the term of the Council that nominates them (three years).
Nominated and elected members serve a two-year term.
Ex officio members remain members for as long as they hold the position relevant to
their membership.
Student Guild members serve a one-year term.
The Board meets at least four times a year.

Health and Safety Committee
Membership
Registrar ex officio.
Health and Safety Manager ex officio.
Human Resources Director ex officio.
A staff member of the School of Public Health with professional involvement in
occupational health and safety courses ex officio.
Senior Nursing Officer of the University Health Services ex officio.
Four staff members, one nominated by each of the following staff bodies:
☐ Federated Clerks’ Union
☐ Federated Miscellaneous Workers’ Union
☐ Professional Officers’ Association
☐ UACA or its successor.
A student nominated by the QUT Student Guild.
The chairperson of each of the campus Health and Safety Committees:
☐ Carseldine
☐ Kedron Park
☐ Kelvin Grove
☐ Gardens Point.
The chairperson of each sub-committee of the Health and Safety Committee:
☐ Strategic Planning Sub-Committee
☐ Health Promotions Sub-Committee
☐ Alcohol and Drug Sub-Committee
☐ University Architect.
Observers.
Minutes Secretary.

Tenure and frequency of meeting
Ex officio members and chairpersons of campus committees remain members as long as
they hold the position relevant to their membership.
Members nominated by staff bodies serve a two-year term, except for the first
constitution of the Committee in which two of the four nominees (Professional
Officers’ Association, Miscellaneous Workers’ Union) will serve a one-year term.
The nominee of the Student Guild serves a one-year term.
The committee meets at least four times per year.

Planning and Resources Committee

Membership
Chancellor or Council member nominated by Chancellor as chairperson.
Vice-Chancellor ex officio.
Deputy Vice-Chancellor ex officio.
Pro-Vice-Chancellor (Academic) ex officio.
Pro-Vice-Chancellor (Research and Advancement) ex officio.
Registrar ex officio.
Planning and Budget Director ex officio.
Finance and Facilities Director ex officio.
Head of Division of Information Services ex officio.
Five Council members appointed by Council.
One Dean of Faculty appointed by the Vice-Chancellor’s Advisory Committee.
One member of University Academic Board appointed by University Academic Board.
One enrolled student appointed or elected in the manner determined by the Student
Guild Council.
A nominee of the Registrar as secretary.

Tenure and frequency of meeting
The Chancellor or nominee remains in the chair for the term of office of the Chancellor
(up to five years).
Ex officio members remain members for as long as they hold the position relevant to
their membership.
Council members appointed by Council hold office for the term of the Council which
appoints them.
Members appointed by the Vice-Chancellor’s Advisory Committee and the University
Academic Board serve a two-year term.
The Student Guild member serves a one-year term.
The Committee normally meets every six weeks and is required to address audit
committee matters at least two times every year.

Research Management Committee

Membership
Pro-Vice-Chancellor (Research and Advancement) ex officio as chairperson.
Research Manager ex officio.
One academic staff member with a record of excellence in research from each Faculty,
appointed or elected in the manner determined by the relevant Faculty academic board.
Two senior staff members with a record of excellence in research nominated by the
chairperson.
Director of Information Services or nominee (rights of audience and debate).
One research student with a sound record of research experience and achievement,
nominated by the Pro-Vice-Chancellor (Research and Advancement) (rights of
audience and debate).
A nominee of the Registrar as secretary.
One member shall be nominated as deputy chair of the committee by the chairperson of the committee.

Tenure and frequency of meeting

*Ex officio* members remain members for as long as they hold the position relevant to their membership.

Nominated members serve a two-year term.

The Committee normally meets every six weeks.

**Staff Committee**

**Membership**

Four Council members nominated by Council.

Registrar *ex officio*.

Human Resources Director *ex officio*.

Equity Coordinator *ex officio*.

Vice-Chancellor or nominee.

Director of Academic Staff Development Unit or nominee.

Dean of Faculty nominated by Vice-Chancellor’s Advisory Committee.

One member elected by and from the academic staff of the University.

One member elected by and from the non-academic staff of the University.

A nominee of the Registrar as secretary.

Staff Committee elects one of the four Council nominees as chairperson of the Committee.

**Tenure and frequency of meeting**

*Ex officio* members remain members for as long as they hold the position relevant to their membership.

Council members nominated by Council hold office for the term of the Council which nominates them.

Elected staff and other nominated members serve a two-year term.

Staff Committee normally meets every six weeks.

**Teaching and Learning Committee**

**Membership**

Pro-Vice-Chancellor (Academic) or nominee as chairperson.

Associate Pro-Vice-Chancellor (Academic) *ex officio*.

Director of Information Services *ex officio*.

Director of Academic Staff Development Unit *ex officio*.

Equity Coordinator *ex officio*.

Two members of the University Academic Board, nominated by and from the Board.

One academic staff member with a record of excellence in teaching from each Faculty, appointed or elected in the manner determined by the relevant faculty academic board.

One undergraduate student appointed or elected in the manner determined by the Student Guild Council.

One postgraduate student of the University elected by the postgraduate students of the University.

**Tenure and frequency of meeting**

*Ex officio* members remain members for as long as they hold the position relevant to their membership.
Nominated academic staff members serve a two-year term.
Student members serve a one-year term.
The Committee meets as required.

**Vice-Chancellor’s Staff/Student Liaison Committee**

**Membership**

Vice-Chancellor *ex officio* as chairperson.
President, Academic Staff Association *ex officio*.
Chairperson of the combined unions industrial group *ex officio*.
President, Student Guild *ex officio*.
One member of the Academic Staff Association nominated by the Association.
One member of the combined unions industrial group nominated by the group.
One academic staff member elected by and from the University’s academic staff.
One non-academic staff member elected by and from the University’s non-academic staff.
Two enrolled students appointed or elected in the manner determined by the Student Guild Council.
A nominee of the Registrar as secretary.

**Tenure and frequency of meeting**

*Ex officio* members remain members as long as they hold the position relevant to their membership.
Members appointed by the Academic Staff Association and the combined unions industrial group serve a two-year term.
Elected staff members serve a two-year term.
Student Guild members serve a one-year term.
The Committee meets at least four times a year.
STAFF

Senior Officers of the Administration

Chancellery
Vice-Chancellor: Professor R.D. Gibson, MSc Hull, PhD N‘cle(UK), DSc CNAA, FAIM
Deputy Vice-Chancellor: Professor O.P. Coaldrake, BA(Hons) James Cook, PhD Griff., FAIM, FRIPAA
Pro-Vice-Chancellor (Research and Advancement): (Acting): Professor H.J.B. Corderey, BSc(Tech)(Merit) MEngSc PhD UNSW, Barrister of the Supreme Court NSW, CP Eng, FIEAust
Pro-Vice-Chancellor (Academic): Professor J.C. Reid, BSc Adel., MA Hawaii,
MA PhD Stan., FASSA, FAIM
Associate Pro-Vice-Chancellor (Academic): Professor R.B. Gardiner, BSc(Hons) MA
PhD Edin., CPhys, FIP, FAIP
Director Planning and Budget: D. Brown, BBus QIT
Equity Coordinator: N.R. Shatifan, BA CNAA, BSocWk Curtin
Coordinator, Aboriginal and Torres Strait Islander Unit (Acting): J. Synott, MEd(Hons)
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Public Affairs Manager: P.H. Hinton, BA Qld
Executive Officer: M.R. MacColl, BBus QIT

Administrative Services Division
Registrar – Head, Administrative Services: (vacant)
Deputy Registrar and Head, Student Administration: D.G. Greenwood,
BEcon(Hons) Qld
Finance and Facilities Director: J.A. Nelson, BCom Qld, AAUQ, FCPA
Human Resources Director: M.J. Toohey, BBus QIT
Counselling and Health Services Director: D.B. Whitelaw, BA W Ont., MA Macq.,
EdD Vanderbilt, MAPsS
Campus Registrar (Gardens Point): G.P. Abernethy, BA MPubAdmin Qld,
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Publications Manager: I.A. Wynne
Secretariat Manager: S.E. Johnstone, BA ANU, DipContEd NE

Information Services Division
Director of Information Services: T. Cochrane, BA Qld, MPhil Griff., AALIA
University Librarian: G.M. Austen, BA(Hons) Melb., DipLib Camb., MBA Qld,
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Computing Services Director: J.D. Noad, MSc Qld, MACS
Audiovisual Services Director: G.A. Roberts, BA DipEd UNSW, MSc Ed EducSpecialist Indiana, MAITD
Educational Television (ETV) Manager: R.J. Care-Wickham
Opening Learning Manager: (vacant)
Computer Based Education Director: H.D. Ellis, BSc(Hons) PhD Durh., MAIP, MIMA
Research and Advancement Division

Pro-Vice-Chancellor – Head, Research and Advancement Division (Acting):
Professor H. John B. Corderoy, BSc(Tech)(Merit) MEngSc PhD NSW, Barrister of the
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Academic Staff

Faculty of Arts

Dean: Professor R.D. Scott, BA(Hons) DipPubAdmin Tas., DPhil Oxf., FACE
Assistant Dean: Dr W.R. Hindsley, BA MA Calif., PhD Qld
Faculty Administration Manager: J.A. Stephenson, BA MBA Qld, AIMM, ASA

Academy of the Arts

Head of School: Professor P.D. Lavery, BA DipEd Qld, DipD Brist., MLitt NE

Dance

Head of Dance: Associate Professor S.P. Street, DipDance Ballet Vic., MA City
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K.E. Bell, BA Qld, CertT Mt Gravatt, MA(Dance) Sur.
S.C. Boughen, BA(Hons) Dance Lond., MA(Contemporary Dance) Kent
G.J. Collins, RAD
J. Donald, ADCommRec Nth Bris., BA(Dance)
A.A. Geeves, BA DipTech Stockholm, MA NY, DTR
J. Utans, DipDance AusBalletSchool

Drama

Head of Drama: B.C. Haseman, DipT Mt Gravatt, BA Qld, MA Sus., AdvDipS&D
Lond., ASDA, LSDA, ATCL, LTCL, FTCL
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D.M. Eden, BA Qld, ASDA, ATCL
J.A. Hamilton, DipT BEd Kelvin Grove, BA Qld
C. Hoepper, BA DipEd Qld
D.K. McCrudden, DipStageProd NIDA
J. McLean, DipT Kelvin Grove, BA Qld, MEd Melb., LSDA
M.L. Radvan, BA(Hons) DipEd Syd., DipDirecting NIDA
I. Thomson, DipActing RADA, Lond., BA Qld, LTCL
Associate Lecturers:
P.B. Makeham, BA(Hons) Newcastle
S. Mee, DipEd Mt Gravatt

Music

Head of Music: A.A. Thomas, BEd BMus MMus Melb., MACE
Senior Lecturer: M.C. Olding, AM, DipMus Melb., MMus Qld, FQCM
Lecturers:
H.B. Axford, BMus Melb.
M.A.J. Faragher, BMus(Hons) Qld
S.H. Forster, BMus MMus Miss., MMus Indiana
R.H. Hultgren, BA Qld
A.L. Morris, BMus GradDipMus QCM, GradDipTeach Brisbane, MEdSt NE
M.R. Whelan, ADPA Brisbane, MCreativeArts James Cook, BA(Drama)
Associate Lecturers:
B. Millard, BMus QCM, LMA, LTCL

Visual Arts

Head of Visual Arts: J.M.J. Armstrong
Associate Professor: D.M. Hawke, DipArt(Ed) Syd., BEd MA Calg., PhD Alberta
Lecturers:
E.A. Edwards-Kalwij, BFA Miami, MFA Georgia
V.L. Garnons-Williams, BEd(See) MEd(Art) Br:Col., GradDipProfArt Syd.CAE
I.G. Hutson, DipEd Auckland STC, DipFineArts(Hons) Cant., BA Open
M.J. Kelly, DipT Kelvin Grove, GradDipVisArt QCA, GradDipAsian Studies Armidale, MLitSt Qld
D. Mafe, DipPainting City&Guilds School of Arts, GradDipPainting Royal Academy, Lond.
A. McNamara, BA MA(Hons) PhD Syd.
M.E. Turner, DipArts Alexander Mackie, BA(VisArts) Syd., GDipProfArt Syd.CAE,
MA R'dg
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M. Webb, DipFineArts QCA

Centre for Innovation in the Arts

Director: Associate Professor R.C. Wissler, BA(Hons) PhD Qld

School of Humanities

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C.A. Trocki, BA Cleveland, MA PhD C’nell
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School of Media and Journalism

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E. Hodge, BA NE, BA(Hons) Syd., MSc Boston, PhD Monash
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L. Faulkner, BSc Qld
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C. Hippocrates, BA MJourn Qld
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I. Stocks, BA(Hons) Monash
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School of Social Science
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Z. Skrbis, Dip(SocCult&Philos) PhD Flind.
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Faculty of Built Environment and Engineering

Dean of Faculty (Acting): Professor K.B. Wallace, AssocDipCE RMIT, BEMEngSc PhD
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Professor: B.P. Lim, BArch DipTCP PhD Syd., FRAIA, MRIBA, MSIA
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School of Civil Engineering

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T. Laimer, CertLabTech CertChem QIT
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L. Nicol
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School of Construction Management
Head of School: R.M. Skitmore, MSc PhD Salford, FRICS, MCIOB
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W.G. Earl, DipQS GradDipProjDev QIT, MAppSc (PropDev) AVLE(Econ), MAIPM, AAIQS
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J.F. Hornibrook, DipBuild, GradDipProjectMgt, FAIB
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S.J. Ross, BEd(Hons) CNAA, MPhil(LandMgt) R'dg, ARICS, AVLE(Val&Econ), Reg.Valuer
O.D. Wilson, MBA Melb., DipLegSt LaT., FAIQS, ANZIQS, RQS(NZ), A1ArbA
B.M. Woolnough, FRAIA, RegArch
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School of Electrical and Electronic Systems Engineering
Head of School: Professor M.P. Moody, BE(Hons) MEngSc BA PhD Qld, FIEAust, FIEEE, SMIEEE, MACE, MACES, MAES, RPEQ, CPEng
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Adjunct Professor S.M.P. Chin, BE(Hons) MEngSc PhD Melb., CEng, FIEAust, FIIEEE, FIREE, SMIEEE, FIES, FIMC, SMICS
Adjunct Professor R.H. Stillman, ME PhD Qld, FIEAust, SMIEEE, CPEng

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MIM Professor of Maintenance Engineering: N. Hastings, MA Camb., PhD Birm., CEng, MIMechE

Fuchs Professor of Tribology: W. Scott, MSc PhD Leeds, CEng, FIEAust, MIMechE, MSTLE

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R. Clegg, BE Qld., PhD Camb.
A. de Jong, DipMechEng DipM&EEng MEng QIT, MIEAust, SrMemSME
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N.F. Munro, BE QIT, MIEAust
K. Palmer, CertIndMetall STC, TEng, AMIM, MAIMM
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School of Planning, Landscape Architecture and Surveying

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G. Williams, BArch Qld, DipLD N’cle(UK), FAILA, MRAIPR, JP

Lecturers:
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J.S. Cook, BSurv BA BEcon PhD Qld, CertREVals LS(Qld), FISAust, MRAHS, MAURISA
M.W. Harris, MSurv Qld,
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Faculty Finance and Resources Manager: Ms Karen Knight, BBus(Econ) USQ

Senior Administration Officer – Undergraduate Studies: Ms Maree Parker, DipTch
   Kedron Park, BBus(Pub Admin)
Senior Administration Officer – Graduate Studies, Higher Degrees and Research: Ms
   Sandra Hughes
Senior Administration Officer – International Programs and External Relations: Vacant
Office Administrator – Carseldine: Ms Tilly Brasch

School of Accountancy
Head of School: Professor S. Holmes, BCom N’cle(NSW), PhD ANU, ACA, FCPA

Business Information and Audit Discipline
Associate Professor: P. Best, BCom(Hons) Qld, MEng N’cle(NSW), PhD, FCPA, ACA,
   MACS
Senior Lecturers:
T. Black, BCom Hal., MFM Qld, FCPA, ACIS
L. Gallagher, CertT Kelvin Grove, BCom MFM Qld, CPA, ACA
P. Green, BCom BSc MInfoSys Qld, CPA, MACS

Lecturers:
S. Buckby BBus QIT, MBus(Accy)
R. Craig, BCom MBA Qld
C. Gaunt, BBus BACE, MFM Qld, PhD, MACS
S. Lazzarini, BCom(Hons) LLB(Hons) MFM Qld
C. O’Leary, BCom(Hons) Cork, MBus(Accy), ACA
T. Stanley, BCom, DipEd Qld, MSc Griff., ASA

Associate Lecturers:
P. Doyle, BBus, ASA, JP(Qual)
M. O’Sullivan, BBus(Accy)
A. Pape, BBus
N. Nigel Sorby-Adams, BBus Darling Downs, MBA Qld, AASA, FCPA, FTIA
S. Wallace, BBus

Business Law Discipline
Professor: P. Little, LLB LLM Qld, Barrister-at-Law
Associate Professor: M. McGregor-Lowndes, BA LLB Qld, MAdmin., PhD Griff, JP,
   Solicitor of Supreme Court of Queensland and High Court of Australia
Senior Lecturers:
- R. Humphreys, BCom Qld, MBus AAUQ, FCPA
- N. Katter, LLB LLM Qld, Barrister-at-Law

Lecturers:
- C. Anderson, BCom(Hons) LLB(Hons) DipEd Qld LLM, FTIA
- F. Hannah, BEcon DipEd BCom LLB(Hons) LLM Qld, Barrister-at-Law
- M. Hocken, BA Capricornia, LLB LLM QIT Grad Dip Teach(Sec), Barrister-at-Law
- M. Pearce, BCom Qld, LLB(Hons)
- S. Rodman, BCom LLB Qld

Associate Lecturers:
- L. Clarkson, LLB(Hons)
- C. Vincent, BCom Qld, Grad Dip Ed, ACA

Financial Accounting Discipline
Professor: L. Edwards, BCom(Hons) MBA Qld, AAUQ, CT, FCPA, FCA, FAIM
Senior Lecturers:
- K. Dunstan, BCom Qld, Dip Mgt Capricornia, MBus(Accy), ASA
- C. Lambert, BBus Darling Downs, Dip Fin Mgt NE, MBA Qld, CPA
- A.M. Mirza, MCom Punj., MCom Qld, FCPA, ACA, ASIA
- M. Percy, CertT Kelvin Grove, BEcon BCom MFM Qld, ASA
- C. Ryan, BCom Dip Ed MFM Qld, CPA
- J. Sweeting, BEc Monash, MEc NE, CPA, ACA

Lecturers:
- J. Campbell, BCom(Hons) MFM Qld, FCPA
- J. Falt, BEcon BEdSt Qld, MEd Bowling Green
- R. Kent, BCom(Hons) MFM Qld, CPA
- S. Marsden, BBus Grad Dip Adv Acc QIT, MBus, ACA, FTIA, AAIE, CPA
- E. McDade, TCert Jordan Hill, TDip Com Strath., BEdSt Qld
- L. Munro, BBus QIT, MFM Qld, AASA
- D. Scheiwe, BCom Qld, BEcon MEd James Cook, MAccy NE, CPA
- S. Taylor, BBus QIT, MBus
- S. Yuen, Grad Dip Ed MSc Sur., MBA Oklahoma City, FCCA, ACIS

Associate Lecturers:
- J. Bryant, TCert ATC, BBus Brisbane, Grad Dip Prof Acctg, ACA
- M. McCarthy, BBus QIT, MBus(Accy)

School of Communication
Head of School (Acting): L.E. Simpson, DipT Mt Gravatt, BEd Brisbane, MEd James Cook
Professor: R.W. Norton, BA Montana S., MA New Mexico, PhD Wis., ICA, SCA, APA, ACA, ASTD
Associate Professors:
- D.A. Brenders, BSc MA Ohio, PhD Purdue
- H A Stevenson, MA Hawaii, FPRIA, APR

Senior Lecturers:
- P.H. Crowe, BS Syr., MA Iowa, PhD Suny-A
- R.A. Gibson, BEcon, BCom, MSocSc Qld
- G.N. Hearn, BS(erce(Hons), PhD Qld
- P.M. McCarthy, BA Qld, MA, LSDA (Board), FTCL Lond.
- B. Murchison, BBus(Comn) QIT, MBus(Comn), MPRIA

Lecturers:
- P.D. Byde, BA Vic., Wgtn., BEcon(Hons) Cantab., MEdSt Qld
- J.E. Clare, DipT Burwood TC, MA(Drama) QUT, LSDA, ASDA
- A. Hales, BA(Hons) Syd, FAIA
C. Hatcher, BA Qld, BEd Brisbane, MA(Hons) Charles Sturt, ASDA (Board), LTCL Lond.
H.A. Jones, BA MLit NE
G. Kerr, BBus(Comn)
B. McKenna, BA Qld, DipT, BEd Brisbane, M.Phil Griffith
P.L. McLean, BA, Dip Ed, MLitSt Qld
N.T. Meyers, BA Qld, MLS UC Berkeley
K. Madden, BBus(Comn) QIT, MA(Hons) Charles Sturt
R. Petelin, CertEd Kelvin Grove, BA Qld, ASDA
V. Schinkel, BBus(Mktg), MBus(MktgSc)
H. Stuart, BSc, DipEd NE, MA ANU, AFAMI, MMRS
R. Wilson, BJ(Hons) Carleton, MPRIA
R. Xavier, BBus(Conn)
Associate Lecturers:
R.M. Mann, DipT Kelvin Grove, GradDipEdAdmin, S.Aust.CAE, MBA(Human Resources), Stir., ACA, MAHRI
J. Pattison, BBus(Conn)

School of Economics and Finance

Head of School: Professor A. Layton, MEcon PhD Qld

Professors:
S. Thompson, BCom(Hons) MFM PhD Qld, FCPA, FCIS, FCIM, FCA,
Associate Professors:
M.L. Robinson, BA(Hons) Syd., MCom(Econ) Melb., PhD ANU
T.J.C. Robinson, BEcon(Hons) PhD Qld

Senior Lecturers:
J. Polichronis, BCom(Hons) MFM Qld, FCPA, ASIA
A.W. Williams, BCom DipEd UNSW, MEcon Syd., PhD Qld, FCIT

Lecturers:
M. Christensen, BBus Brisbane, MFM Qld, FCPA, ACIS
R. Copp, BCom(Hons) BEcon LLB PhD Qld, MESANZ, FTIA, MMRSA
E.J. Duhs, BSc BA AEd MEcon Qld, ASIA
G.F. Edwards, BSc(Econ) Hull, PGCE Lanc., MA(Econ) N’cle(UK)
P. Gray, BCom Qld, MBus(Acc), CPA
H. Higgs, BEcon(Hons) DipEd MEconSt Qld
O. Kurer, DipBusStud HWV Zurich, MBA Chic., MSc(Econ) PhD Lond.
R. Lawrey, BSc(Hons) NE Lond.Poly., MLitt Aberd
E. McCann, BSc(Econ) Belf., GCertEd Leeds, MSc NE
D. Morrison, BCom LLB Qld, ACIM, ASA, Solicitor
I.C. Nott, BCom MBA Qld, AAUQ, FCPA, AAIB(Snr)
P. Whelan, BCom(Hons) Qld
C.H. Williams, BA(Hons) Stir., MPhil(ECon) Oxf, PhD Qld
J.B. Williams, BA(Hons) DipMgmtStuds CNAA, PGCE Hull, MA Leeds
K. Wyllie, BCom N’cle(NSW), MBus(Acc)

Associate Lecturers:
J. Copp, BEcon(Hons) Qld, PhD UTS
S. Jackson, BA MEcon ANU
J. McIvor, BBus Brisbane
A. Paltridge, BEc(HonsII) ME Qld
R. Tourky, BEcon (Hons) Qld

School of Management

Head of School (Acting): S.L. Harding, BSc(Hons) ANU, MPub Admin Qld, PhD Nth Carolina
Associate Professor: T. Williams, BA(Hons), MA Melb., PhD W.Aust.
Senior Lecturers:
D.K. Conroy, BA, MPub Admin Qld
N.F. Ryan, BSc MSc MPhil, PhD Griff.
P.J. Sutcliffe, BEcon(Hons) MEcon(Hons) Syd.
Lecturers:
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C. Dickenson, BBus(Mgt) PhD Qld, CMAHRI
K.J. Donohue, BEcon Qld, MEconSt Qld
D.A. Lambert, DipSS Ox, BSc(Econ) Wales, MSc(Econ) Lond., PhD ANU
D.S. Lewis, CertT Kelvin Grove, BA AEd Qld, PhD Griff., AIMM
J.M. McMillen, BA(Hons) PhD Qld
L. Parsons, BA MEdSt Qld
P.T. Mansour-Nahra, BA PhD N’cle (NSW), STL-MAOQ
R.B. Sappey, BEcon(Hons) Syd, MSc(Econ) Lond.
G.N. Southey, BBus Darling Downs, DipPsych(Hons) MAAppPsych Qld, MAPsS, CMAHRI
P. Steane, BTheol Melb. CD, DipEd ICE, MEd NE, PhD Griff.
R. Thompson, BA(Hons) Psych MPsyApp Qld
Associate Lecturers:
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E. French, BBus MBus(Mgt)
M. Lewis, DipBus BBus(Public Admin) QIT, CMAHRI
G. Maconachie, BCom(Hons) BAdmin Griff.
L. Sargent, BA DipPsych MOrgPsych Qld
J. Shepley, BEcon LLB Qld, Barrister-at-Law
Honorary Associate:
L.N. Ledlie, AM BEcon Qld, FAHRI

School of Marketing and International Business
Head of School (Acting): P.G.H. Carroll, BA(Hons) Leic., MSocSc Soton, PhD Qld
Professors:
Professor N. Arnold, BMus MSc Southern Ill., ReD Indiana, CMAIM, FAMI
Senior Lecturers:
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C.R. Perry, BA Litb NMEc PhD NE, MEc ANU, MASOR, AFAIM
J.J. Radbourne, CertT BA MA PhD Qld, LSDA(Aust.), ATCL (Lond)
S.M. Wong, BCom&Admin Well., MBA Qld, FAMI
Lecturers:
M.J. Briggs, CertT ASOPA, DipTraining&Devel SAust CAE, MBA Qld,
  GradDipEdAdmin H’thorne
G.K. Chittick, BEcon NE, BA Macq., DRsEcSc Amist
C.W. Collyer, BEcon(Hons) MEconSt Qld
M.A. Cox, BEc DipEd Syd M.Acc C.Sturt
T.V. Cronk, BA(Hons) Qld, MA Lond., GradDipBusAdmin QIT
J. James, BA(Econ) MEconSt Qld
B. Kitching, CertT Lond., BA(Hons) PhD Griff.
C.M. Neal, BBus(Comm)QIT, GradDipMktg ChisholmIT, GradDipEd(Tert) DDIAE,
  MBA Qld
M.J. Quayle, BEcon M.Pol.Econ, PhD Qld
Australian Centre in Strategic Management

Director: Professor G.J. Bamber, BSc(Hons) Manc., PhD H-W Edin., CMAHRI, FAIM, FIMgt, FIPD
Principal Research Fellow and Coordinator of Postgraduate Studies: Mark Shadur, BA(Hons) PhD ANU
Senior Research Fellow (Quality Program): Arthur Preston, BSc(Hons) ANU, M.Admin
Griff, PhD Qld
Research Officer: Kate Joyner, BMus Queensland Conservatorium of Music, MBA
Research Officer: David Simmons, BSc(Hons) UNH, MMgt Qld
Senior Research Assistant: Kellie Caught, BSc PGDipPsych Qld
Senior Research Assistant: René Kienzle, BSc PGDipPsych Qld
Associates:
QUT Associate: Professor Emeritus Tom Dixon, AM, BA BEd(Hons) MA Qld, LittM NE, PhD Rensselaer

Communication Centre

Director: Associate Professor H.A. Stevenson, MA Hawaii, FPRIA, APR
Deputy Director: G.N. Hearn, BSc(Hons) PhD Qld

Faculty of Education

Faculty Office

Dean: Emeritus Professor A. Cumming, MA(Hons) Auck, PGCE Lond, PhD Otago, FRHistS
Assistant Dean: R.J. Hardingham, BSc DipEd BEd MEdAdmin PhD Qld, MACE
Faculty Administration Manager: J. Zahmel, BBus QUT, ASA

School of Cultural and Policy Studies

Head of School: Professor N.J. Kyle, BA(Hons) PhD N’cle (NSW)
Associate Professors:
C.M. Burke, MA Mich State, MA PhD Mich, FCP, MACE, MAPsS
S.C. Taylor, BSc(Hons) DipEd Leic, BEd(Hons) PhD James Cook
Senior Lecturers:
L.J. Daws, BA BEd Monash, MEd(Hons) NE, PhD Qld
M.J. Henry, BA Melb., MA LaT.
B. Limerick, BA BEd(Hons) Witv, UEd Natal, PhD Qld
E.L. McWilliam, DipT Kelvin Grove CAE, BA MEdSt PhD Qld
Lecturers:
J.M. Brannock, BA DipEd MLitSt PhD Qld
J.F. Cawte, BPhil STL Katholieke Universiteit te Leuven, Belgium, DipEd Qld
A.R. Hudson, BA DipEd MA WI, MA HK, GDMedia AFTRS
P.S. Inglis, CertT Kedron Park CAE, CertStaffDev Sur, FCollP BEdStud MEdSt PhD Qld
D.A. Meadmore, DipT KGCAE, BEd Brisbane CAE, MEdSt PhD Qld
P.J. Meadmore, BA BEd MEdSt Qld
E.M. Neill, DipT Kedron Park CAE, BEdSt MEdSt PhD Qld
C.D. O'Farrell, BA(Hons) NSW, DESU University of Paris VIII Vincennes, PhD ANU
C.T. Symes, BEd(Hons) S'ton, PhD W'gong
G.W. Tait, BSc(Hons) Liv., BA MHMS Qld, MA York
Associate Lecturers:
P.C. O'Brien, BA Griff., GDTeach(Sec) Brisbane CAE, MEdSt Qld

School of Curriculum and Professional Studies
Head of School: Professor B.C. Hansford, BCom BEd Melb, MEd Calg, PhD NE
Associate Professors:
R.G. Elliott, BSc BEd(Hons) PhD Qld
B. Delahaye, BBus QIT, MBA QLD, PhD Griff., CMAHRI, AIMM
Senior Lecturers:
M.F. Fogarty, BEd BA MPubAdmin Qld
R.A. Lundin, BEd BrCol, MEd Qld, PhD Monash
I.G. Macpherson, BA BEd MEdSt Qld, PhD PennS, MACE
R.C. Muller, BA BEd(Hons) Qld
T.A. Simpson, CertT Mt St Mary's, BEd MEdAdmin PhD Qld
J.W. Whitta, BEd(Hons) MEd Qld, MEdAdmin NE, GDeD Armidale, MACE
C.A. Yarrow, CertT Kedron Park CAE, AEd BEd BA Qld, MEd Canberra, PhD Qld, MACE
Lecturers:
T.L. Aspland, DipT Kedron Park, CertSpEduc Mount Gravatt CAE, BEdSt BA Qld,
MEd Deakin
R.G. Cope, CertT Sydney TC, BEd(Hons) James Cook, MEdSt Qld
J.D. Lange, BEdSt MEd Qld, EdD Nth Ill
J. Millwater, CertT DipT BEd North Brisbane CAE, MEd NE
R.G.A. Nimmo, BEd BEd Qld
C.M. Proudfoord, BA DipEd Syd, MEd PhD NE
D.J. Stewart, DipT NZ, BA Otago, MA Auck., MEdAdmin NE
H.L. Thomas, BA BEd MEdSt Qld
M.B. Wilkinson, CertT Kedron Park CAE, BA Qld, MEd Canb., PhD Qld
Associate Lecturers:
R.A. Brooker, BHMS Qld, GDSecTeach Brisbane CAE
L. Ehrich, DipT BEd Brisbane CAE, MEdAdmin Qld

School of Early Childhood
Head of School: Professor G.F. Ashby, MA DipEd Otago, FACE
Associate Professors:
H.A. Mohay, BSc(Hons) Leicester, DipAppPsych Liverpool, PhD Qld, MAPS, ABPS
S.K. Wright, BEd MEd Alta, PhD N’cle (NSW)
Senior Lecturers:
D.F. Catherwood, BA(Hons) PhD Qld
G.L. Halliwell, CertT Kelvin Grove CAE, DipT(EC) Brisbane KTC, BEdSt Qld, MSc ill,
PhD Qld
J.M. Kean, MADipEd Otago, DipT DC, DipEdPsych Auck., LTCL Lond., Phd Qld
N.L. McCrea, BA MA San Jose St. Uni, STC(EC) UCSC, PhD Qld
B.A. Piscitelli, BA Keuka, MEd Antioch, PhD James Cook
N.J. Yelland, CertEd BEd(Hons) Exeter, GDIUC South Australia CAE, MEd Flinders,
PhD Qld, MACE
Lecturers:
C.J. a’Beckett, DipKT Melb.TC, GDeSt IECD, BA(Hons) Qld
D.C. Berthelsen, DipT Kedron Park CAE, CertSpecEd Mt Gravatt CAE, BA(Hons)
MAppPsych Qld
A.M. Bower, CertT Switz, GDeSt Melb., BEd James Cook, MEdSt Qld
B.J. Broughton, CertT Kelvin Grove CAE, CDTRT, DipT(EC) Brisbane KTC, BEdSt MEdSt Qld
B.E. Burdon, DipT Christchurch, BA Vict., MA Massey, MEd Harvard, MAPS
C.R. Campbell, CertT Kelvin Grove CAE, Dip ANZATVH, BA MEdSt Qld, GDE(RE) McAuley
S.J. Danby, DipT Brisbane CAE, BEdSt Qld, MEd Loyola
M.A. Farrell, DipT(EC) Brisbane KTC, BEdSt MEd Qld, MACE
D.E.S. Gahan, DipT(Brisbane KTC, BA Qld, MEd Ill
S.J. Grieshaber, DipT Mt Gravatt CAE, BEdSt Qld, MEdSt Qld, PhD James Cook, MACE
M.B. Henry, BA Syd., DipEd MEdSt PhD Qld
K.A. Irving, BA(Hons) PhD Qld
J.M. McDonell, DipKTC Brisbane KTC, BScEd Mills Coll. (NY), MScEd Banks St Coll (NY)
D.L. Nailon, CertT Kedron Park CAE, DipT(EC) Brisbane KTC, BEdSt MEd Qld
R.A. Perry, DipT Brisbane KTC, DipAdvStEd/EC Melb, BEdSt MEd PhD Qld, AMusA
Associate Lecturers:
D. LeClercq, DipT Kelvin Grove CAE, BEd Mt Gravatt CAE, MEd QUT
J.M. Davis, DipT Townsville, BSc MEnvirEd Griff
A. Kelly, DipT Brisbane CAE, BEd QUT, MEd QUT
C. Weddell, DipTeach CIAE, BEd GradDipEc BCAE, MEdSt Qld

School of Language and Literacy Education

Head of School: Associate Professor W.T. Corcoran, BA DipEd Qld, MLitt NE, MA PhD Alta
Associate Professor: C.J. Lankshear, MA(Hons) PhD Canterbury (NZ)
Senior Lecturers:
E.V. Burke, MA Lanc, DipTESL Trinity College, PhD MSU
G.L. Chapman, BA Sydney, BLS Br Col, ALIA, MACE
L.L. Gerot, BA Iowa, MA(Hons) PhD Macq.
J.L. Talty, BA Sydney, MA Macq.
Lecturers:
G.E. Castleton, CertT Kedron Park CAE, BEd South Australia CAE, MEd(Hons) NE
J.C. Crawford, BA DipEd MEd Syd, DipPhonApp Paris, GDEd(TESOL) SACAЕ
D.S. Green, BA DipEd Monash, TPTC Vic., MA Qld
L.J. Linning, BA(Hons) BEdSt Qld, MEd QUT
P.A. Lupton, TeachCert DipT BEd GDT-Lib Brisbane CAE
K.M. Mallan, DipT Mt Gravatt CAE, GDT-Lib Kelvin Grove CAE, BEdSt MEdSt Qld
W.R. Morgan, BA MA Cant(NZ), BA Adel., MA C’nell, GDEd Gippsland, PhD Deakin
A.L. Russell, BA Adel, DipTTech South Australia CAE, MS PhD Oregon, ALIA, MACE
J. Spreadbury, CertT Kelvin Grove CAE, BA MLittSt PhD Qld, FTCL, LTCL, ASDA, MACE
P. McKay, BEd SACAЕ, MA ASU, PhD Qld
Associate Lecturer:
C. Richards, BA Qld, BA (Hons) GDE Griff.

School of Learning and Development

Head of School: Associate Professor G.M. Boulton-Lewis, CertT NSW, MEd Canberra CAE, BA PhD Qld, FACE
Associate Professor: J.A. Clarke, BSc BEd MEdSt PhD Qld
Senior Lecturers:
P.C. Burnett, DipT Kelvin Grove CAE, BEdSt MEdSt Qld, DipAppPsych Flin., PhD Ohio, MAPScS
W. Patton, BEd *James Cook*, BA(Hons) PhD *Qld*

D.J.H. Smith, BA(Hons) UED BEd Natal, MEd *Monash*, PhD *Qld*

Lecturers:

I. Brown, BSc MPhil *Auck.*

S. Burroughs-Lange, TC *Lond.*, DipRD, BA *Open*, MA *Surr.*, EdD *NIU*

A.M. Burton, CertT *Kelvin Grove CAE*, BEdcon MEdSt DipPsych *Qld*, MAPScS

K.J. Campbell, BSc(Hons) *Southampton*, DipEd Tas, PhD *ANU*

B.C. Dart, BEd MEdSt *Qld*

J.P. Fanshawe, BA BEd MEdSt *Qld*, MACE, PhD *QUT*

H. Pillay, BEd MA S.Pac, MSc PhD *NSW*

K. Tait, DipT *Mt Gravatt CAE*, BEd *Brisbane CAE*, MEdSt *Qld*

E. Templeton, CertT *Kedron Park CAE*, BA BEd *Maryland*

**School of Mathematics, Science and Technology Education**

Head of School: Associate Professor T.J. Cooper, BSc(Hons) DipEd PhD *Adel*

Associate Professors:

L.D. English, DipT BEd MEd *Kelvin Grove CAE*, PhD *Qld*

K.B. Lucas, BSc MEd Syd, DipEd NE, MSc Macq, PhD *Indiana*

C.J. McRobbie, BSc BEd *Qld*, MSc *Pacific*, PhD *Monash*, MACE, MRACI

Senior Lecturers:

A. Cook, BSc PhD *Lond*, MEd *Tor*

J.H. Dooley, BEd MSc PhD *Qld*

I.S. Ginn, MSc DipEd Syd, PhD *Manit.*

C.J. Irons, MA N'Ton (Iowa), PhD *Indiana*

P.C.M. Kendal, BA AEd MLitSt *Qld*, MLitt NE, MSc *Griff.*, GDCompEd *Brisbane CAE*, MACE

R.A. Nason, CertEd NBCAE, BEd MEdSt *Qld*, PhD *Deakin*

P.G. Shield, DipEd BEdSt *Qld*, MAAppSc *QIT*

Lecturers:

W. Atweh, BSc DipT MSc *Amer U of Beirut*, BA *Qld*, PhD *Wis*

A.R. Baturo, DipT *Kelvin Grove CAE*, MEd(Maths) *QUT*

S.L. Dole, DipT Bendigo, BEd *Brisbane CAE*, GdProfEdSt *Qld*, MEd *QUT*

K.J. Garrad, BEd *Kelvin Grove CAE*

R.R. Irons, BA *Wis.*, MSEd *Indiana*

T. Mowchanuk, BSc Adrian, BEd LeT., GDInfoProc *Qld*

R.F. Peard, BSc *Qld*, MEd Br:Col., PhD *Deakin*

M.C. Ryan, DipT *Mt Gravatt CAE*, BEd GDCompEd MEd *Brisbane CAE*

M.J. Shield, BSc DipEd BEdSt MEd *Qld*

D.F. Tulip, BSc BEd MEdSt *Qld*, MACE

J.J. Watters, BSc(Hons) *Qld*, GEd *Canberra CAE*, PhD *Griff.*, MEd(Hons) NE, MRACI

M.L. Williams, BAppSc *QIT*, DipEd *Qld*, GDCompEd *Brisbane CAE*

**School of Social, Business and Environmental Education**

Head of School:

Senior Lecturers:

R.R. Ballantyne, BA(Hons) UED MA Natal, PhD CapeT

L.A. Kirkwood, BCom BEd MEdSt *Qld*, AAUQ (Prov)

J.G. Lidstone, CertEd Durh, BSc(Econ)(Hons) AdvDipEd MA PhD *Lond*, FRGS

P.S. Wilson, CertT *Kelvin Grove CAE*, BA BEdSt *Qld*, PhD *Ohio S*

Lecturers:

B.A. Hoepper, BA BEd MEdSt *Qld*

T. Kwan Yim-Lin, BA(Hons) CertEd AdvDipEd MEd *HK*, MSc *Oxf*

J.S. Miles, BA DipEd *Qld*
G.J. Shipstone, B Econ MA Qld, Dip Multicultural St Armidale
C.R. Velde, Dip T (Adult Further Ed) BEd South Australia CAE, MEd (Admin) PhD Flin.
E.A. Woodward, Dip T BEd Brisbane CAE, BCom Qld

* From 1 January 1996, the School of Social, Business and Environmental Education and the School of Curriculum and Professional Studies will merge to form the School of Professional Studies (subject to final approval).

Faculty of Health
Dean: Professor K. J. Bowman, MSc Optom Melb., LOSc, FAAO
Faculty Administration Manager: M. McCrea, BA Qld

School of Human Movement Studies
Head of School: Professor A.W. Parker, MSc PhD Oregon, FASMF
Associate Professors:
A.P. Hills, BEd Tas., MSc Oregon, PhD Qld
P.S.W. Davies, BSc(Hons) MPhil PhD Loughborough UT
Senior Lecturer: K. Gilbert, CertEd Exe., BEd S.Aust CAE, BPE WA MEd Melb., PhD Qld
Lecturers:
R. Berry, DipTeach, Kelvin Grove, DPE BEd Qld, MEd Syd.
B. Boyd, CertT Kedron Park, DPE BHMS Qld, MEnvComH Griff.
G. Costin, CertT Kedron Park, DPE Qld, BA MEd James Cook, MACE
T. Cuddihy, DipT Kelvin Grove, BEd MHMS Qld PhD Arizona
P. Dickson, DipT Kelvin Grove, DPE Qld, BEd Capricornia
P. Feeney, DipT Kelvin Grove, DPE Qld, GradDipOE Edin.
S. Green, BAppSc S.Aust. MA EP Vic. BC, PhD WA
G. Kerr, NZCS, BSc MPhEd Otago, PhD W.Aust.
M. McDonald, DipT DPE Otago, MHK Wind.
C. O’Brien, CertT DPE Syd T.C., MHMS PhD Qld
C. Purdy, BPE BEd BHMS Qld
J. Smeathers, BSc(Hons) PhD Reading

School of Nursing
Head of School: Professor M.E. Clinton, BA Open, BA(Hons) PhD E.Anglia,
FETeachCert RCNT, PGCertEd Lond., RNT, FRCNA, FANZCMHN, AFAIM
Professor: G. Hart RN, DipNurs BCIT, DCHN Cumberland, BA MHP PhD UNSW
Associate Professors:
P. Morrison, BA(Hons) PhD RMN RGN PGCE CPsychol AFBPsS
R.E. Nash RN, DipAppSc QIT, BA Qld, MHiThSc Charles Sturt, FRCNA
Senior Lecturers:
A. Cushing RN, DipEd Melb., BA(Hons) PhD Monash
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Lecturers:
R.N. Buttsworth, BSc(Hons) BA(Hons) MSc DipEd PhD Qld
C.C. Calder, BSc(Hons) MSc Lond.
R.J.B. Fawcett, BSc(Hons) PhD Qld, AMusA, ATCL
H.M. Gustafson, BSc(Hons) DipEd NE
R.F. Hubbard, BA NZ, MLitSt Qld
M. Ilic, MSc Qld, PhD
M.T. Kelly, BSc DipEd MLitSt Qld
E. Kozan, MSc Middle East, PhD Hacettepe
M.R. Littler, BSc(Hons) Lond., DipMaths(Tech) CEng, AFIMA
I.F. Ogle, MSc NE, FSS, FQFA, MSSA
L.M. Scotney, BSc DipEd Qld
I.W. Turner, MAppSc QIT, PhD Qld
E.M. Walker, BSc(Hons) Qld, MSc Oxf., AIA Lond., AAIA
D.F. Welburn, BSc Qld

Associate Lecturers:
G.P. Carter, CertT Mt Gravatt, BSc MScSt Qld
G.M. Cave, BSc Lond., DipEng(Mech) McG., AFRAcs
G.J. Pettet, BSc DipEd BMath(Hons) N’cle(NSW), CertT NSW Dept of Education

Centre in Statistical Science and Industrial Mathematics
Director: Professor A.N. Pettitt, BSc(Hons) MSc PhD Nott., FSS, MSSA
Queen Elizabeth II Research Fellow: A.R. Gover, MSc Cant., DPhil Oxf.
Senior Research Fellow: D. Huang, MSc PhD Beijing, MSSA

School of Physics
Head of School: Professor J.M. Pope, BSc(Hons) MSc Brist., DPhil Sust., Grad.Inst.P.
Associate Professor: B.J. Thomas, BSc(Hons) PhD W.Aust., MAIP, FACPSEM
Senior Lecturers:
J.A. Davies, BSc(Hons) City, Lond., MSc Qld, AIMEE
R.E. Dunlop, MSc Qld, MAIP, MASUM
M.A. Harkness, DipAppSc, DMU, GradDipBusAdmin, MAppSc, FIR, ASUM
T.G. Lewis, BSc BEd Qld, MSc Aston, MSc Griff., DipRMS, MAIP
L. Morawksa, MSc(Physics) PhD(Physics) Jagiellonian
T. van Doorn, BSc(Hons) PhD Qld, MACPSEM, MIPS
J. Wong, DipSc HK, MSc McG., PhD Sask., MARPS, MAAFT, MAPS
Lecturers:
R. Akber, BSc(Maths) BSc(Physics) MSc(Physics) Punj., MSc(NucTech) Islam., PhD Adel., MSPERA
B.H. Cornish, CertT KGCAE, BAppSc QIT, MAppSc GradDipBusAdmin PhD
I.R. Cowling, BSc(Hons) PhD Flin., ISES, IES, MSA
I.R. Edmonds, BSc(Hons) MSc Auck., PhD Warw., MAIP, ISES
P.D. Killen, BSc(Hons) ANU, PhD Qld
G.J. Michael, BSc(Hons) PhD Qld, MAIP, MACPSEM
G.I. Moore, BSc(Hons) PhD Qld
M.G. Oppelaar, BAppSc(MRT), MIR
F. Quintarelli, BSc(Ed) BSc(Hons) PhD Melb., ARPS
P.A. Rowntree, DipAppSc(DiagRad) GradDipEd(Tert) Darling Downs, FIR, RT(R), AISRTT, MANZAME
D.E. Starkey, DipAppSc(DiagRad), MIR
B. Starkoff, MAppSc, MIR, ASUM
Associate Lecturers:
S.J. Coyne, BSc Qld, MAppSc (MedPhysics)
B.H. Hancock, DipAppSc(DiagRad) GradDipAppSc(MedUlt)
D.J. Pearce, BSc(Hons) DipEd NE
Laboratory Manager: R. Bergman
Senior Technicians:
J. Dharmasiri
C. Duncan
G.W. Kibbey
Australian Centre in Strategic Management

The Australian Centre in Strategic Management (ACSM) was established in 1989 at the Queensland University of Technology (QUT) as a Commonwealth Key Centre of Teaching and Research by the Australian Research Council (ARC) and the Federal Department of Employment, Education and Training (DEET).

ACSM’s mission is to provide to the community the benefits of teaching, research and service in its specific program areas. ACSM’s two main program areas are: quality management and employment relations (including human resources, industrial relations and organisational change). ACSM also includes related projects on leadership, management development, women in management, and strategic management more generally.

Research of international standard is a high priority for ACSM. It is a hub for a network of researchers including Honours, Masters, doctoral and postdoctoral scholars, visiting professors and teams of academics working with practitioners. Research is funded by a range of sources, including the federal and state governments, Australian and overseas competitive research grants, contracts for applied research, consulting, sponsorship and donations. (Some donations are tax deductible.)

The Centre’s current projects include: designing, conducting, analysing and providing feedback on surveys of employees’ attitudes; a three-year ARC research grant to study the impact of strategy and structure on organisational performance in Australian industry; an international and inter-university ARC-funded study of changing employment relations in Western European, North American and Asian countries, with particular reference to the telecommunications, electronics and car manufacturing industries; an investigation of human resources and industrial relations practices and business strategy in the banking, finance, tourism and information technology industries; research on leadership, quality and risk management on the railways, and a five-year evaluation of quality in the meat industry.

ACSM convenes conferences and seminars, conducts educational programs, publishes books, articles, working papers, reprints and other publications and welcomes short-term and medium-term research visitors, who, for example, are on secondment or study leave. ACSM’s significant progress towards fulfilling its mission is illustrated in its various publications, a list of which is available on request.

ACSM encompasses the values of:

- being relevant to governments, employers, employees, unions and other appropriate stakeholders, including small and medium-sized enterprises
- achieving excellence in research, teaching, and service
- building networks to achieve synergies with appropriate partners
- maintaining a supportive and trusting work environment
- being a learning organisation

In each of its program areas, ACSM has active links with professional organisations as well as with many enterprises in the private and public sectors, and with other universities and research centres in Australia and overseas. ACSM thereby acts as a bridge between tertiary education and business enterprises, governments, unions and the wider community.
Centre for Applied Studies in Early Childhood

CASEC occupies a unique niche in the national research scene which places it in a strong position to respond to current concerns about the effects of various aspects of modern society on the well-being of young children. The overriding goal of the Centre is to sustain a nucleus of expertise and research activity which is at the forefront of progress in areas concerning the development, education, and welfare of young children and to bring the benefits of this knowledge to QUT and the community at large.

The Centre for Applied Studies in Early Childhood has three main objectives:

- to conduct high quality research which is at the leading edge of current theory and practice in relation to the development, education and well-being of young children
- to provide postgraduate training to meet the needs and demands of early childhood professionals
- to make available both to professional groups and the community at large expertise, advice and consultancy aimed at enhancing the well-being of young children, their families, teachers and other care providers.

Research and Teaching

The research activities of the Centre fall within the four areas outlined below. At least one of the principal researchers in the Centre is actively involved in research and teaching in each of these areas. Expertise in both quantitative and qualitative research exists within the Centre.
Reconceptualising early childhood programs: This includes critically examining current knowledge underpinning the work of teachers in the early childhood programs emerging in the 1990s. Theories that will more effectively inform teachers' work with young children and their parents are expected outcomes of this research.

The management and provision of quality child care: This includes examination of the training and roles of child care providers and investigation of the child care accreditation process, as well as the impact of child care on children and parents.

Factors influencing normal patterns of child development: This includes the Centre's longitudinal study, which encompasses a number of different aspects of development. Some research in this area focuses on the process of development and some examines the effects of environmental factors on development.

Children and families with special needs: This research area is concerned with the influence of disability or atypical family environments on children's development.

The Centre has the expertise, resources and facilities to support research, training and service commitments in these areas of specialisation. Its achievements are highly regarded at state and national level and it is continuing to enhance its reputation in the international arena.

Director: Associate Professor Heather Mohay, BSc(Hons) Leicester, DippAppPsych (Clinical) Liverpool, PhD Qld, C.Psychol, ABPsS MAPsS

Centre for Eye Research

The Centre for Eye Research was established in the School of Optometry in 1986 to coordinate the wide range of research activities in the visual and ophthalmic sciences. The Centre has a vigorous program of research investigating human vision and how the problems people have with vision may be resolved or alleviated.

In 1988 the Centre was given University Centre status and provided with support funding to pursue its mission of developing the research and postgraduate activities of the School of Optometry. In 1989, the Centre's first PhD students were enrolled.

The research activities of the Centre encompass the clinical, theoretical and applied aspects of the visual sciences. There is an emphasis on the functional and performance aspects of vision. The Centre also undertakes research for the ophthalmic and pharmaceutical industries towards the development of improved ophthalmic appliances and materials. In addition to investigating the causes of human vision problems, the Centre also undertakes research work for government, industry and business to resolve visual problems in the workplace, in transport and in industry.

The Centre for Eye Research serves as a focus for collaboration with groups internal and external to QUT. This collaboration with industry and with other research units is well established, and the Centre has attracted significant research grants from industry and government funding agencies.

The Centre's facilities and resources are unique in Queensland and provide a resource for the development of the visual and ophthalmic sciences and industries in the State.

Director: Professor L.G. Carney, BAppSc MSc(Optom) PhD Melb., LOSc, FAAO
Centre for Instrumental and Developmental Chemistry

The Centre for Instrumental and Developmental Chemistry was formed in January 1992. It emphasises high quality fundamental research and expert service of community needs through research, postgraduate education, development projects and consultancy.

Research
The Centre specialises in three main areas:

Analytical Science
Research in this area was initiated within the now superseded Centre for Analytical Science. Project areas currently being researched in the analytical science program include the development of new analytical instrumentation; use of chemometrics; elucidation of three-dimensional structures of complex molecules by NMR, X-ray diffraction and mass spectrometry; and use of vibrational spectroscopy for the characterisation of polymers, minerals, biological molecules and dyes; the development of new sample introduction methods in atomic spectroscopy.

Applied Biological Chemistry
The program encompasses a wide range of industrial sectors, and research makes extensive use of the instrumental infrastructure of the Centre. Current areas of activity include the synthesis of new molecules for use in industrial electronics and in the medical field; isolation and characterisation of new compounds of medicinal benefit from natural sources; development of new synthetic procedures, especially those based on the use of enzyme technology; and development of new procedures in enzyme fermentation, enzyme technology, and biochemical engineering and processing.

Material Science
This area of Centre activities has been well supported by industrial grants. Research is carried out in a number of important areas encompassing organic, inorganic and metallic materials. Significant project areas include synthetic polymers, particularly degradation studies and polymerisation kinetics; corrosion of metals and alloys in industrial environments; investigation of the electrodeposition of copper during the refining process; study of the structure and properties of clays; and preparation of advanced ceramics by the sol-gel process.

Consulting, Testing and Continuing Education
The previous Centre for Analytical Science was very active in consulting and testing. This activity earned valuable funds and forged strong links with the industrial community, leading to joint research projects. The new Centre for Instrumental and Developmental Chemistry will continue and expand this activity. Centre staff have established a reputation in continuing education by developing short courses in corrosion science and in vibrational spectroscopy. These courses have been given in every capital city of Australia and in South-east Asia. Future opportunities exist for the Centre to expand its continuing education activities.

Equipment
Activities revolve around sophisticated, high-cost instrumentation, including mass spectrometry, nuclear magnetic resonance spectrometry, fourier transform raman and
infrared spectroscopy, inductively coupled plasma emission spectrometry, inductively coupled plasma mass spectrometry, and thermal analysis.

Director: P.M. Fredericks, BSc(Hons) DPhil Sus., FRACI

Centre for Mathematics and Science Education

The Centre for Mathematics and Science Education seeks to promote a numerate and scientifically literate society by coordinating research in the teaching and learning of mathematics and science. It applies this research through graduate teaching, consultancy, curriculum development and the production of educational resources. It is affiliated with the Faculty of Education, and staff are drawn primarily from the School of Mathematics, Science and Technology Education as well as from other Schools and Faculties. An administrative office, clinical facility, and facilities for research assistants and higher degree students are located on Kelvin Grove campus.

Research

Research is a major Centre priority. The research program may be classified broadly into five categories relating to mathematics, science and technology education:

- **Cognition** - acquisition of scientific and mathematical knowledge, scientific and mathematical reasoning including problem solving; study of learning environments; teacher cognition and teacher change.
- **The social context of science and mathematics education including access and equity issues.**
- **The application of information technology to human cognition and improving the quality of learning.**
- **Curriculum development, implementation and evaluation.**
- **Adult and workplace education.**

The Centre offers PhD and MEd (Research) courses and a professional doctorate in education (EdD).

Teaching

The Centre aims towards teaching excellence with a staff experienced in undergraduate, higher degree and continuing education courses, and in supervising theses in mathematics and science and technology education. The Master in Education (MEd) and professional doctorate in education (EdD) degrees are offered by coursework and dissertation and allow specialisation in mathematics, science and technology education. Staff are active in writing teacher education materials and classroom texts in mathematics and science education.

Consultancy

Through consultancy, the Centre aims to promote success and excellence in mathematics and science for students of all ages and backgrounds. Staff are actively involved in a range of consultancy services to meet the needs of schools, industry and the general community. These services include diagnostic, remedial and enrichment activities with students; in-service seminars and short courses for industry and educators; cooperative projects with business and the Department of Education; writing and editing for
publishers. The Centre welcomes enquiries for the provision of services to the profession and the community.

Director: Associate Professor C.J. McRobbie, BSc Qld, MSc Pacific, PhD Monash

Centre for Medical and Health Physics

The Centre for Medical and Health Physics provides a formalised focus and vehicle through which to foster the application of physics and supporting disciplines to clinical, occupational and environmental health areas in the community.

The Centre has the following functions:
- To promote research in the area of medical and health physics
- To provide quality educational programs for postgraduate students and appropriate professionals
- To facilitate transfer of knowledge and developed technology to the broader scientific community and to industry
- To foster collaboration with external organisations both within Australia and overseas, particularly within countries in the Asia Pacific region.

Education

The Centre's staff provides support for undergraduate and postgraduate studies in the following programs:
- Bachelor of Applied Science – Physics major
- Bachelor of Applied Science – Medical Radiation Technology, with majors in Medical Imaging Technology and Radiotherapy Technology
- Bachelor of Applied Science (Honours) – Physics
- Master of Applied Science, with majors in Medical Physics, Medical Imaging and Medical Ultrasound
- PhD programs.

Continuing Education

The Centre offers short courses in:
- radiation health physics
- radiography
- medical ultrasound.

Research and Consultancy

The Centre's current areas of research and development are in:
- medical physics (imaging science)
  - image analysis
  - 3D image reconstruction and presentation
  - enhancement/development of instrumentation
- medical physics (body composition)
  - in vivo measurement of toxic heavy elements
  - bioelectrical impedance measurement of body water compartments
  - electrical impedance tomography
The Centre's major areas of consultancy are:
- measurement of radioactivity
- shielding design for radiological practices
- measurement of light transmittance/reflectance (NATA registered laboratory)
- measurement of ultraviolet radiation.

Director: Associate Professor B.J. Thomas, BSc(Hons) PhD, FACPSEM, MAIP

Centre for Molecular Biotechnology

The Centre for Molecular Biotechnology has as its primary objectives research and postgraduate education in medical and plant biotechnology. The Centre was established in 1988 and currently has a staff and student complement of more than 80. The Centre is located on the Gardens Point campus in a modern, well-equipped laboratory complex with associated facilities. Postgraduate education includes PhD and Masters programs and components of the Honours and Graduate Diploma in Biotechnology courses. Undergraduate course components are also supported. Research is concentrated into a few programs and involves considerable collaboration with other Australian and overseas institutions as well as industry.

The principal research programs are:
- molecular plant virology
- human growth factor research
- chlamydia diagnosis and control
- plant tissue culture and transformation
- arbovirus pathogenesis
- aquaculture biotechnology.

Director: Associate Professor J.L. Dale, BScAgr PhD Syd., MASM

Centre in Statistical Science and Industrial Mathematics

The mission of the Centre is to create new knowledge in statistical science and industrial mathematics and to bring the benefits of this knowledge, its scholarship and expertise to QUT and the community at large. This has and will be achieved through:
- performing high quality research
- providing a focus and resources for researchers to perform research in statistical science and industrial mathematics
- providing postgraduate teaching
- providing continuing education of relevance to the community
- providing a consulting service to the community
promoting collaborative projects between the Centre and other QUT centres and organisations in Queensland, interstate and overseas.

The Centre acknowledges the need to carry out research which is of significance to industry, government and society and therefore the need to forge links with external organisations. It also aims to maintain and develop strong links with local industry by providing expert consulting in statistics and mathematics.

The Centre in Statistical Science and Industrial Mathematics has, as its main research focus, the development of statistical and mathematical models and efficient algorithms for the analysis of problems of significance to industry, government and the community. It received university centre status at the end of 1992.

The research programs of the Centre include:

- time series analysis
- spatial statistics
- statistical modelling and data analysis
- statistical theory and statistical computing
- operations research
- mathematical modelling of complex industrial, biological and physical systems
- pure mathematics.

There are a number of research projects in each of these areas.

A major feature of the Centre is the high proportion of collaboration in research projects with other researchers from within QUT, other universities, the CSIRO, government departments and industry. Several projects involve contract research for industry.

Consulting services are provided within QUT and to external clients in industry and government by the Statistical Consulting Unit and by other staff of the Centre.

The Centre has a strong postgraduate teaching program with around 30 PhD and research Masters students. Many of these students are working on collaborative projects with supervisors from outside QUT in industry or research organisations.

Staff of the Centre are involved in the provision of statistical education for postgraduate students at QUT and external organisations.

The Centre has excellent computing facilities with its own DEC Alpha server, DEC Alpha workstations, networked PCs and Macs, and centrally provided research supercomputing facilities.

Director: Professor A.N. Pettitt, BSc (Hons) MSc PhD Nott., FSS, MSSA

Cooperative Research Centre for Diagnostic Technologies

The School of Life Science is the lead site of the CRC for Diagnostic Technologies, a new Commonwealth-funded Cooperative Research Centre which brings together the diagnostic and molecular biological expertise and innovation of QUT, La Trobe University, CSIRO (Division of Biomolecular Engineering), the Kolling Institute, and four of Australia’s leading biotechnology and diagnostic development companies: AGEN, Bioclone, PanBio and Silenius. This collaborative venture was established to develop new and internationally competitive DNA and protein based generic diagnostic technologies and to apply these new technologies to the diagnosis of important human diseases.
The principal research areas are:

- Protein-based diagnostic technology
- Nucleic acid-based diagnostic technology
- Application and rapid diagnostic technology.

**Information Security Research Centre**

The Information Security Research Centre, formed in July 1988, is a joint venture between industry and QUT’s Faculty of Information Technology. Since 1995 the Centre has been included within the School of Data Communications.

The Centre’s activities focus on the control, management and security of computer systems and networks. Its role is to undertake research, development, consultancy and education activities in this designated area.

The Centre has areas of major research concentration in:

- Cryptology
- Information security management
- Security in telecommunications and computer networks, including electronic data interchange (EDI), electronic funds transfer (EFT), open systems interconnection (OSI), and smart card technology.
- Database and operating system security.

The Centre supports other areas of research, such as:

- Secure Networks Laboratory (SNL). The SNL contains computer hardware and specialised security equipment to support applied research projects in information security.
- Reverse engineering and tools for the analysis of software systems as well as computer architecture for secure systems (CASS) in collaboration with the Programming Language Laboratory – School of Computing Science.
- Projects under the Distributed Systems Technologies Centre (DSTC), a Federal Government funded Cooperative Research Centre jointly set up by QUT, the University of Queensland, Griffith University and Bond University.

Since its formation, the Centre has carried out applied research and consultancy for a wide range of organisations in both the public and private sectors concerned with information security. The Centre has established research links with several overseas universities. In addition the Centre has developed its educational role by offering research Masters and PhD programs as well as teaching specialist subjects for postgraduate coursework students.

*Acting Director*: Associate Professor E. Dawson, BSc, DipEd Wash., MA Syd., MLitStud, MSc Qld, PhD, FTICA, MIEEE, MIACR

**Physical Infrastructure Centre**

The Physical Infrastructure Centre was established by QUT in 1990 as a national focus for civil engineering research. It is one of QUT’s university centres and provides consultation, continuing education and research services.

The Centre’s aim is to find real world solutions to complex civil engineering problems. With this goal in mind, the Centre works closely with the civil engineering profession,
industry and government on key projects that will strengthen and upgrade Australia's physical infrastructure.

Areas of expertise include:

- Transport and transport infrastructure
- Structures
- Construction and materials
- Environmental
- Hydraulics and fluids.

Recent research projects include:

- a USA National Research Council project to update the Highway Capacity Manual
- an OECD backed investigation into increasing transport efficiency through bridge/vehicle interactions
- the development of a portal frame building system with Palmer Tube Mills
- numerous projects funded by the Australian Research Council including response of buildings subjected to earthquakes, and the dynamics of highway bridges.

One of the Centre's major projects is the development of a full-scale research facility at the University's Carseldine campus. The Carseldine Field Station will allow opportunities for the Centre to engage in large scale collaborative projects with industry. An earthquake testing facility is one component which has been developed on the site.

The current staff includes 20 researchers and 37 postgraduates.

**Director:** Associate Professor G.H. Brameld, BE(Hons) MEngSc BCom PhD Qld, MIEAust, MIABSE

**Signal Processing Research Centre**

The Signal Processing Research Centre grew from a small research concentration in the rapidly expanding area of signal processing. Established in 1986, the concentration received Faculty Centre status in 1990 and University Centre status in 1991, after the appointment of Professor Boashash as the Professor of Signal Processing and Centre Director.

The Centre supports the majority of research students in the School of Electrical and Electronic Systems Engineering. Signal processing has a wide range of application areas and has undergone explosive growth within the last 10 years. The Centre provides an important resource for industry, government, the engineering profession and the community in general. The Centre's research activities encompass both theoretical and applied aspects of signal processing.

The Centre offers high level technological expertise combined with an ability to apply research for the benefit of the community.

The Centre has four main objectives:

- to remain at the forefront of technological research advances
- to provide clients with state-of-the-art results
- to provide stimulating postgraduate education
- to maintain and enhance the University's research profile.

It serves to foster postgraduate research and teaching with 26 PhD candidates and five
Masters students currently enrolled with the Centre. Staff have established good contacts with academics in other Australian universities, government-funded research agencies and industries. They have also built up an international profile through conference attendance and research collaboration. The director of the Centre is the general Chairman of the International Symposium on Signal Processing and its Applications which is held biennially on Queensland's Gold Coast, and was appointed the Technical Chairman of the International Conference on Acoustics, Speech and Signal Processing which hosted 1328 delegates in April 1994.

The Centre's researchers are active in the areas of image processing, signal theory and speech processing. They undertake research for government agencies and industry to resolve a range of signal processing problems. Contracts are in place with granting bodies such as DSTO, CSIRO, Auspace and the Australian Federal Police.

The CRISSP signal theory group has specialised in the areas of algorithm development for efficient signal processing implementation, detection of signals in noise, estimation of signal parameters in a noise-effected environment, sonar, radar and biomedical applications and higher-order spectral analysis.

Speech processing is involved in artificial neural network speech recognition, digital filtering, speaker verification for law enforcement agencies, voice encryption and scrambling and tape recording enhancement.

Image processing and computer vision areas have concentrated on analysis of data in digital images, development of efficient algorithms, enhancement of images for information recovery, robot vision, and computer recognition of three-dimensional objects and interpretation of images.

Director: Professor B. Boashash, BE Lyon, MSc PhD Inst. Nat. Poly. Grenoble, SMIEEE, FIREEE
ACADEMIC AND STUDENT SERVICES

Oodgeroo Unit

The Oodgeroo Unit, a distinct section within the Division of Academic Affairs, performs a range of teaching, research and service functions in the University. A central activity is the recruitment and subsequent academic and counselling support of Aboriginal and Torres Strait Islander students enrolled in degree programs at QUT. Students who are supported by the Unit experience a high rate of success in University programs and later employment.

Aboriginal and Torres Strait Islander students are increasingly enrolling in the whole range of Faculties across QUT, including degree programs in Information Technology, Law, Science, Business, Nursing, Education, Arts, and Social Science. Throughout students’ degree programs, Unit staff support students as they develop their study skills and professional discipline knowledge.

The Unit designs and teaches units in Aboriginal Studies and Aboriginal Education. In addition, staff from the Oodgeroo Unit contribute lectures and workshops to a wide range of degree programs, both at undergraduate and postgraduate level. Through these teaching activities students undertaking QUT courses have the opportunity to learn about cross-cultural issues in Australia.

The Oodgeroo Unit also engages in the professional development of QUT staff in respect to the development of appropriate skills and awareness for working in educational environments of cultural diversity. This function is also extended to the broader society, where the Unit has input in a range of government and community services. Conferences, seminars and workshops offered by the Unit bring benefit to the community.

Research into issues of contemporary concern to Aboriginal and Torres Strait Islander people is a priority activity for the Unit. In this way, the Unit seeks to contribute to the achievement of the goals of Reconciliation and social justice policy.

The Oodgeroo Unit's central office is located at the Kelvin Grove campus, with service offices on Carseldine and Gardens Point campuses.

Acting Coordinator: J. Synott, MEd(Hons) GDipAbStud UNE, GDipEd NSW, BA ANU

Chaplaincy Services

The University caters for the emotional and spiritual needs of students and staff through the provision of Chaplaincy Services. The Ecumenical Chaplaincy is a joint venture of QUT and the major Christian denominations. There are presently two full-time chaplains working at QUT, operating on a schedule of visits to each campus.

Chaplaincy Centres and Chapel

The Chaplaincy Centres are ecumenical, and although the chaplains represent the major Christian denominations, they are available to people of other religions as well. If necessary, they are able to put people in touch with appropriate contacts from different denominations or religions.

The Chaplaincy Centres are a focus for Christians from a diversity of traditions and theological emphases. The purpose is to encourage community spirit and to be a lively influence within each campus. The chaplains aim to relate Christian faith to both personal commitment and to the corporate structures of church and society. Activities include
counselling, social gatherings, discussion groups, eucharist, prayer and meditation groups. Chaplaincy can also serve as a bridge across the divisions that may surface in any human institution.

A chapel is available at the Gardens Point campus for quiet prayer, worship services and meetings. There is also a Muslim mosque in a room adjacent to the main chaplaincy rooms.

A chaplain is available at the Chaplaincy Centres below:

**GARDENS POINT CAMPUS**
Old Government House
near the entrance to the Library
Telephone: (07) 3864 2700

**CARSELDINE CAMPUS**
(weekly visit)
Contact Gardens Point campus

**KELVIN GROVE CAMPUS**
Room C420, Top Floor
Community Building
Telephone: (07) 3864 3135

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### Computing Services

The Computing Services Department provides a comprehensive range of facilities to meet staff and student needs on all QUT campuses, including:

- 24-hour computer laboratories, including word processing, Internet access and printing facilities
- computing accounts, with email alias and password, for all students
- hardware and software support for desktop computers
- training courses, seminars and workshops (free to staff and research postgraduate students)
- a university-wide network for electronic mail, and Internet access
- mainframe host computers and servers for administration, teaching and research work
- the QPSF SP2 massively parallel supercomputer for advanced research work
- a visualisation and multimedia facility including a high-performance computer
- data entry and optical mark reading services
- management information systems support and development
- the library catalogue
- dial-in facilities for off-campus users
- faculty liaison counselling service
- service counters on each campus
- booklets, leaflets and manuals on a range of computing applications and techniques
- *Computing News*, sent to staff and postgraduate students fortnightly and published on the web
- voice and data telephone and communications systems.

For more detailed information, buy a copy of the *Student Computing Guide* (updated annually) from the QUT bookshops, consult the Computing Services counter on your campus, or read the on-line Computing Services Information pages via netscape.
Counselling and Health Services

The Department of Counselling and Health is an autonomous professional department of QUT which takes an active role in promoting the personal, career and educational development of students and staff and providing for their health and well-being.

Careers and Employment Service

The Careers and Employment Service assists enrolled students and recent graduates with a variety of career management issues, such as course and career planning, employment opportunities, job search strategies and further study options. The Service aims to assist students to make informed course and career decisions and to reach their employment goals.

Services include: individual career and employment counselling; workshops and seminars; careers and employment information; employment interviews; the Graduate Destination Survey; and a Career Resource Centre.

Locations:
Gardens Point – Level 2, U Block – (07) 3864 2649
Kelvin Grove – Community Building – (07) 3864 3488
Carseldine – C Block – (07) 3864 4539

International Student Services

ISS assists international and migrant students with accommodation, English language tuition, learning skills, visa problems, legal, medical and personal matters.

Services available include pre-departure briefings, airport reception, orientation programs, promotion of social and cultural activities, introduction to host families, understanding Australian customs, liaison with academic staff, newsletters, support for student associations, women’s groups, training workshops and preparation for returning home.

Locations:
Gardens Point – Community Building, lower level – (07) 3864 2019
Kelvin Grove – Community Building, upper level – (07) 3864 3488
Carseldine – Community Building – (07) 3864 4539

Learning House

Offers undergraduate and postgraduate seminars and courses to help students improve their learning effectiveness. Individual appointments are available to discuss specific concerns and these can be made through the Counselling Office at Gardens Point or Kelvin Grove.

Learning and writing courses are offered. Seminar topics include study management, note-taking strategies, writing assignments, thinking strategies, improving memory and dealing with examinations.

Location:
Kelvin Grove – 48 Blamey St – 3839 6469 or through Counselling.

The Counselling Section assists with normal development needs. Personal and social matters, educational difficulties, welfare and financial issues, and decision making on future career and personal planning are some of the issues handled by counsellors.
The Counselling Service offers programs designed to aid the development of personal maturity and effective patterns of living, studying and working. These include workshops on communication, assertiveness, and stress management.

Complementing these is a range of general welfare and guidance services including financial aid. Contact with community agencies offering services to students is also provided.

Services are provided by professionally qualified staff. Services are free of charge and available to students (both full- and part-time) and staff at all campuses. All consultations are strictly confidential. Counsellors are available during normal University hours; however, out-of-hours appointments can be arranged.

**Counselling Services**

**GARDENS POINT CAMPUS**
Lower Level  
Community Building  
Telephone: (07) 3864 2383

**KELVIN GROVE CAMPUS**
Top Floor  
Community Building  
Telephone: (07) 3864 3488

**CARSELDINE CAMPUS**
Level 1  
Community Building  
Telephone: (07) 3864 4539

**Health Services**

**GARDENS POINT CAMPUS**
Lower Level  
Community Building  
Telephone: (07) 3864 2321

**KELVIN GROVE CAMPUS**
Top Floor  
Community Building  
Telephone: (07) 3864 3126

**CARSELDINE CAMPUS**
Level 2, C Block  
Room C216  
Telephone: (07) 3864 4673

QUT Health Services are available to all students and staff. Services include:

**Comprehensive general practice patient-care:** Lifestyle advice, including information on exercise, stress, drugs and sexually transmitted diseases; minor surgery including removal of warts, moles and sunspots; pathology services including blood tests.

**‘Well-woman’ care:** smear tests, breast examination and contraceptive advice.

**Campus accident and emergency care:** First aid treatment of injury and acute illness occurring on campus.

**Ongoing nursing care:** General advice on health maintenance; continuing care of injuries and minor operations; surveillance of medical conditions such as hypertension, asthma and diabetes; vaccinations and international travel advice; health education information and pamphlets.

Health Services are available on each campus and all consultations are strictly confidential. A Medicare card or Medibank book (for international students) is necessary for medical consultation.
Students with Disabilities/Health Problems

Students with disabilities or health problems who may require additional assistance or support during their studies are encouraged to make early contact with the Disability Officer at the Department of Counselling and Health (telephone (07) 3864 4539) or the relevant Course Coordinator. They are also requested to indicate such needs at enrolment. Those with temporary disabilities arising from accidents and illness that may occur during the year should also make known their needs if additional support services are required.

The University seeks to provide appropriate support services for students with disabilities. These may include:

- locating accessible parking for those with mobility problems
- organising effective learning/study skills workshops
- scheduling classes in accessible rooms
- lending special audiovisual equipment
- assisting with access to library resources
- arranging lecture material in different formats such as tapes, braille, large print, computer disks
- arranging a note-taker to assist in lectures
- arranging an interpreter for deaf students
- investigating alternative academic assessment procedures.

Early contact should be made with a counsellor or the Course Coordinator to discuss additional needs. Assistance with physical and study facilities and informing appropriate staff of additional needs can be expedited with early notice. An information booklet – *A Guide to Students with Disabilities* – is available on request.

International Students

The International Students Program

QUT welcomes international students to its three Brisbane campuses. All full-time degree courses offered by QUT are available to international students. QUT also offers a range of preparatory programs to assist international students to meet academic and English language requirements for entry to QUT courses.

An international student is any student who is not a citizen or permanent resident of Australia or a citizen of New Zealand.

There are a number of sections within QUT with specific responsibilities for aspects of the International Students Program.

International Relations Unit

The International Relations Unit is part of the International and Continuing Education Office within the QUT Division of Research and Advancement.

The International Relations Unit is responsible for the international promotion of QUT. Specifically, the Unit:

- coordinates publication and distribution of QUT international promotional material
- arranges for the representation of QUT at international recruitment activities
The Office of International Students

The Office of International Students is located in the Student Administration Department and is responsible for the administrative aspects of the International Students Program. The Office undertakes the following activities:

- answers all written enquiries and advises students regarding admission and course requirements for all courses including the Foundation and Bridging Programs
- processes all international student applications
- makes all offers and monitors course quotas
- handles all visa related matters
- collects tuition and Medibank payments and administers fee refund policy
- administers international student scholarships.

Application and Enrolment

All international students, except those studying Year 12 in Australia, should apply on a QUT 'F' form. Year 12 international students in Australia should apply through the Queensland Tertiary Admissions Centre (QTAC). Applications and general information about entry requirements and tuition fees for all courses may be obtained by writing to the Office of International Students.

All degree students must meet the minimum English language entry requirements of IELTS 6.5 or TOEFL 575 for entry to be confirmed. Some linguistically demanding courses (such as communication courses and postgraduate business courses) require IELTS 7 or TOEFL 600.

Following acceptance of an offer and payment of one semester's fees and one year's health cover charges, a student will be issued with an Acceptance Advice Form to apply for a visa to travel to Australia. Enrolment will be completed during Orientation.

Attendance

To meet student visa regulations, students must fulfil all course requirements. This includes full-time enrolment, defined as 75 per cent or more of a full-time credit load for the course. Special approval must be obtained through the Office of International Students for part-time study.

Fees

Full tuition fees are charged for students enrolled in 75 per cent or more of a full-time credit load. Fees include student guild payments and all international student support services including airport greeting, accommodation service and English language support. International students are exempt from the Higher Education Contribution Scheme (HECS).

Tuition fees must be paid in advance by 26 June for Semester 2, and 10 January for Semester 1 in order for re-enrolment to be confirmed for the following semester. Failure to re-enrol or pay semester tuition fees will result in cancellation of the student visa. The
Overseas Student Health Cover (OSHC) charge must be paid every 12 months before re-enrolment.

Students returning to full-time study after a period of absence or exclusion are required to pay tuition fees appropriate at the time of return.

Tuition fees are partially refunded to students who withdraw from their course up to the end of Week 6 of the semester. After that time, no refund is available. Any tuition fees refundable may only be transferred to another educational institution in Australia on production of a letter of offer from that institution or remitted offshore.

Fees for students on approved part-time study are levied pro rata according to the proportion of full-time credit points being studied.

In some limited cases, applicants on temporary resident visas may be allowed to enrol part-time. Fees are levied on a pro rata basis as for other part-time international students.

**International Student Services**

Living and studying in a new country require significant adjustment in terms of language, culture and style of learning. In addition to the academic and professional challenges, students experience considerable personal and social development. Because international students do not have their usual sources of support and assistance (family, friends, community groups) available to them, QUT provides extensive support services.

International Students Services is located in the Department of Counselling and Health and is responsible for the following:

- conducting pre-departure briefings
- arranging on-arrival reception and accommodation
- conducting Orientation Programs
- offering direct counselling and welfare support
- developing student and community support networks
- arranging social and cultural activities
- offering English as a second language and learning skills support
- ensuring preparation for students returning home
- assisting graduate employment.

**KELVIN GROVE CAMPUS**
Level 1
Community Building
Telephone: (61 7) 3864 3142
Facsimile: (61 7) 3864 3529

**CARSELDINE CAMPUS**
Level 2
Community Building
Telephone: (61 7) 3864 4539
Facsimile: (61 7) 3864 4999

**GARDENS POINT CAMPUS**
Level 2
U Block
Telephone: (61 7) 3864 2696
Facsimile: (61 7) 3864 2368

**KELVIN GROVE CAMPUS**
Top Floor
Community Building
Telephone: (61 7) 3864 3488
Facsimile: (61 7) 3864 3655
International and Continuing Education Programs

The International Education Programs’ major function is to help international students meet QUT entry requirements and access professional employment. Courses offered include:

- the Foundation Program
- English language programs (ELICOS) and Bridging Program
- Migrant professional programs.

QUT Foundation Program and Bridging Program

The QUT Foundation Program prepares international students for almost all undergraduate courses at university level. It provides students who do not meet degree entry requirements with an opportunity to gain eligibility for entry into QUT Faculties.

QUT Foundation Program students who attain the minimum results for entry to a degree, as specified by the relevant Faculty, will be guaranteed a place in the QUT degree course for which they have applied.

The Bridging Program is designed for students who plan to study at QUT or at another tertiary institution in an undergraduate or postgraduate program in the following year and who already meet minimum academic admission criteria for their course. The Program is available in Semester 2, commencing in July.

Students will be given an opportunity to:

- familiarise themselves with QUT and its facilities, such as libraries and computer systems
- develop an understanding of academic and language skills needed for tertiary study in Australia
- undertake IELTS preparation (if necessary)
- study a unit for a credit towards their degree
- make friendships and establish a network of contacts
- be in a comprehensive study support program.

QUT English Language Programs (ELICOS)

QUT General English (GE) courses

General English courses are offered in six-week sessions. Courses cater for students at all levels of English language from elementary to intermediate and advanced.

QUT English for Academic Purposes (EAP) courses

The English for Academic Purposes course is offered in twelve-week sessions and caters for students with an advanced level of English who are about to commence a degree program at university.

The EAP program aims to develop specific study and language skills in English needed to undertake academic study successfully in Australia. The course includes an IELTS preparation component.

QUT English for Business Purposes (EBP) courses

The English for Business Purposes course is offered in twelve-week sessions and helps students develop their English in business communication. The course caters for a wide variety of students who need to be able to use English effectively for work or business studies.
**QUT Migrant Professional Programs**

MPP offers advanced ESL courses for unemployed overseas-trained professionals who require English language training and work experience in order to access professional employment or tertiary study in Australia. These courses are funded by DEET under the Special Intervention Program and access is through the CES.

International Education Programs are on Kelvin Grove campus.

*Further information:*
- Foundation Programs and Bridging Programs: Telephone: (61 7) 3864 5912
- English Language Programs (ELICOS): Telephone: (61 7) 3864 3095
- Migrant Professional Programs: Telephone: (61 7) 3864 3579

**International Continuing Professional Education**

Programs have been developed and are conducted for groups of international participants for Queensland agencies, corporations, government departments and overseas universities. QUT Continuing Professional Education will respond quickly to requests for specifically designed training programs from anywhere in the world.

**GARDENS POINT CAMPUS**

Top Floor, U Block
Telephone: (61 7) 3864 2196
Facsimile: (61 7) 3864 5160

**QUT Foundation**

The QUT Foundation strengthens relationships between the University and the wider community to extend the quality of QUT’s research and education programs. Through the support of corporations, government, industry, professional bodies and individual sponsors, the QUT Foundation offers scholarships and prizes to QUT students.

For further information contact (07) 3864 2147.

**QUT Alumni**

The Alumni Relations Unit at QUT provides services and programs for graduates to enhance professional development, promote lifelong learning and create opportunities for all graduates to keep in touch with their alma mater and university friends.

Graduates are invited to participate in activities which add further value to the University’s teaching programs. Guest lecture series, panel discussions and participation in the QUT Mentor Scheme are just some of the programs initiated to ensure QUT students are in touch with their future peers and employers in the real world.

For further information and application forms contact the Alumni Relations Unit on (07) 3864 2821 or visit the office, Level 12, ITE Building, Gardens Point campus.

**University Library**

Students and staff of QUT have access to a wide range of information and audiovisual services and professional advice in these areas. Holdings of books, periodicals and other
media have been developed in conjunction with teaching and research in the University and primarily reflect these activities. Materials are arranged on open access shelving. Access is provided via electronic catalogues available within the library buildings, via campus networks, and on a dial-in basis for persons with modems.

Locations
Libraries are located on all campuses. There is a separate Law Library at Gardens Point.

Hours
Hours differ from campus to campus and sometimes at different service points within a library building. Opening hours details are available through the Library catalogue and are advertised at each location and through a variety of publications.

Membership
All staff, full-time and part-time students are automatically members of the Library and may borrow materials on any campus. Identification cards are required whenever and wherever a user borrows.

The QUT Library has extensive reciprocal borrowing arrangements with Griffith University. As well, staff and students may also be eligible to register for reciprocal privileges from a number of other tertiary institutions. Details are available from Loans Desks.

Services
A variety of services is available across the campuses:

Information Services: Staff are on duty at the Information Desks to answer queries and assist users in finding and using collections and resources. Online searches of a large number of databases are also available. As well, there are electronic databases on CD-ROM in all libraries.

Lending Services: If the materials required by users are not held on their home campus, they may request an intercampus loan. Similarly, users with special research needs may be eligible for an interlibrary loan if the items are not held anywhere within QUT. Special reciprocal loans may be requested if the items are held by Griffith University.

Academic Liaison: Consultation with academic and research personnel on the development of resources and services is achieved through a liaison service. A Reference Librarian works closely with each School to ensure that collections and programs reflect School priorities.

User Education: Professional staff teach users efficient information-seeking skills through a variety of formal and informal programs. Persons interested in these programs may wish to contact the User Education Coordinator (telephone (07) 3864 1659). As well, teaching staff may contact their Reference Librarian, and students should enquire at the Information Desk or ask their lecturers to arrange for necessary instruction.

Other Facilities: Facilities for study include study carrels, seminar rooms, lecture theatres and supporting audiovisual, computing and photocopying facilities. Appropriate consultancies are also available. Guides to collections and services may be found near the main entrance of each library location.
PRIZES AND AWARDS

The following list of prizes are subject to final approval by respective donors and may be changed or withdrawn without notice.

University Medals

The University may award medals known as Queensland University of Technology Medals to graduands of certain courses who have achieved an exceptionally high level of performance in their studies.

Eligibility to be considered for the award of a University Medal will be limited to:

- Graduands of honours degrees where performance in the related bachelor degree is also taken into account
- Graduands of degrees with honours
- Graduands of bachelor degrees of at least three years' normal duration where no honours award is available.

In completing one of the above degrees, graduands must have been enrolled at QUT for at least two years of full-time study or equivalent.

For the award of a medal, a graduand should have reached a distinguished academic standard based on a grade point average in all units and in a thesis where such is required. The standard should be at a higher level than would normally be expected from an excellent graduand. The medal should be testimony that the recipient not only shows exceptional academic promise at the time of the award, but also exhibits a distinguished record of achievement throughout the whole of the degree.

Because the University Medal is awarded only for outstanding achievement, Academic Committee has indicated as a guide to faculties that the proportion of graduands who may receive medals in any year should normally be not more than one per 200 bachelor-level graduands (or part thereof) per faculty. It is possible that in some years faculties would choose not to recommend a medallist.

The award is a silver medallion, suitably embossed and inscribed, together with a certificate attesting the award. The medallion is five centimetres square with rounded corners. The QUT logo is embossed one side and the reverse carries an inscription citing the year of the award, the name of the awardee and the degree undertaken. Further details may be placed on the certificate.

Awards are made at April graduation ceremonies.

Faculty of Arts

4MBS Prize
Awarded to the music student who gives the best performance of a distinctly twentieth-century music composition at the annual competition in October.

Australian Academy of Music Composition Prize (Instrumental)
Awarded for the best instrumental composition in a jazz or popular style, following the annual competition for music students held in second semester.

Australian Academy of Music Composition Prize (Vocal)
Awarded for the best composition in a jazz or popular style, following the annual competition for music students held in second semester.

Brisbane Commercial Radio Stations Prize
Awarded in conjunction with the Faculty of Business, this prize is donated by the Federation
of Australian Radio Broadcasters and awarded to the Bachelor of Business (Journalism) or Bachelor of Arts (Journalism) graduand who achieved the best overall results in radio broadcasting units.

**BTQ Channel 7 Scholarship**
In conjunction with the Faculty of Business this prize is awarded to a student specialising in the communication or media fields - advertising, film and television production, journalism, media studies, organisational communication or public relations. Students must have completed second year full-time (or its equivalent), be undertaking a major in one of the communication or media areas and have enrolled to study third year full-time at QUT.

**Country Press Award**
In conjunction with the Faculty of Business this award is donated by the Queensland Country Press Association and awarded to the student who achieves the best academic result in the unit MJB224 Feature Writing.

**Dorothy Birt Memorial Prize**
Awarded to the most outstanding student enrolled in the Master of Arts (Visual Arts) in the area of textiles.

**Federation of Australian Radio Broadcasters Prize**
In conjunction with the Faculty of Business:
- Awarded to the student who achieves the highest grade in the radio segment of the unit MJB338 Radio and Television Journalism 2.
- Awarded to the student who achieves the highest standard in COB305 Advertising Copywriting - Electronic.

**Robert and Kay Bryan/Jack Manton Art Prize**
Awarded to the final year student of the Bachelor of Arts (Visual Arts) who submits the most outstanding work in one or more studio areas.

**Charles Hall Prizes**
Awarded:
- to the music student with the best results in first year
- to the music student with the best results in second year.

**MIM Holdings Ltd Prize**
In conjunction with the Faculty of Business this prize is awarded to the student of the Bachelor of Business (Journalism) or Bachelor of Arts (Journalism) course who obtains the best overall result in this course.

**QUT/QYO Concerto Composition Prize**
Awarded to the student who best performs a concerto movement or a work for soloist and orchestra.

**The Courier-Mail Prize for Journalism**
In conjunction with the Faculty of Business this prize is donated by Queensland Newspapers Pty Ltd and awarded to the graduating student with the best overall performance in the Bachelor of Business (Journalism) or Bachelor of Arts (Journalism) degree.

**Faculty of Built Environment and Engineering**
The majority of prizes awarded to students in the Faculty of Built Environment and Engineering are determined on the basis of excellence in units nominated by the prize donor. In most instances students do not apply for the awards unless otherwise stated.

* indicates those prizes for which students are required to apply in order to be considered.
A.G. Scott Memorial Prize
Donated by Mr and Mrs R W Scott in memory of their son, Mr A.G. Scott, a graduate of the Bachelor of Engineering (Mechanical). The prize is awarded annually to a final-year student in the Bachelor of Engineering (Mechanical) who demonstrates the greatest improvement in innovative ability and competence in mechanical engineering design or attains the best overall performance in design work.

Andrew Brock Memorial Prize
Donated by the staff of Utah Development Company (now BHP Mining) in memory of Andrew Brock and awarded to the student with the best performance in the second year of the Bachelor of Built Environment.

Allgas Bursary*
Awarded to a third-year student in the Bachelor of Engineering (Mechanical) on the basis of a number of criteria including academic merit and practical experience.

Ardel Limited Awards
Awarded:
☐ to a full-time student with the best performance in the first year of the Bachelor of Applied Science (Property Economics)
☐ to a full-time-second year student in the Bachelor of Applied Science (Property Economics) with the best performance in the unit CNB626 Land Development Studies
☐ to a full-time student with the best overall performance in the second year of the Bachelor of Applied Science (Property Economics).

Association of Public Authority Surveyors Prize
Awarded to the Bachelor of Surveying first-year student who obtains the best academic result in the unit PSB325 Land Surveying I.

AURISA (Queensland Chapter) Prizes
Donated by the Australian Urban and Regional Information System Association (Queensland Chapter) and awarded to:
☐ the student in the Bachelor of Surveying with the best result in the unit PSB342 Spatial Information Science I
☐ the student in the Bachelor of Applied Science (Surveying) with the best result in the unit SVB563 Land Information Systems 2.

Australian Asphalt Pavement Association (Queensland Branch) Prizes
Awarded:
☐ to the student in the Bachelor of Engineering (Civil) with the best overall performance in the unit CEB211 Highway Engineering
☐ to the student in the Bachelor of Engineering (Civil) with the best overall performance in the unit CEB506 Pavement Design and Rehabilitation Techniques
☐ to the student in the Bachelor of Engineering (Civil) for the best design in flexible pavements in the unit CEB211 Highway Engineering.

Australian Institute of Building, Queensland Chapter Prize
Awarded to the student with the best academic achievement in the third or successive years of the Bachelor of Applied Science (Construction Management).

Australian Institute of Cartographers (Queensland Division) Prizes
Awarded to the best student of the Bachelor of Applied Science (Surveying) or the Bachelor of Surveying undertaking the units PSB307 Cartography 1 and PSB308 Cartography 2.
Australian Institute of Project Management, Queensland Chapter Prizes
Awarded:
□ to the Graduate Diploma in Project Management student with the best performance in the course
□ to the Master of Project Management student with the best dissertation.

Australian Institute of Refrigeration, Air Conditioning and Heating, Queensland Division Prize
Awarded to the student associated with the industry who obtains the best performance in units in the School of Mechanical and Manufacturing Engineering dealing with refrigeration, air conditioning or heating.

Australian Institute of Quantity Surveyors (Queensland Chapter)/David McNeill Memorial Award
Awarded to the final-year student of the Bachelor of Applied Science (Quantity Surveying) who shows the highest standard of proficiency in quantity surveying expertise.

Australian Institute of Valuers and Land Economists (Queensland Division) Prize
Donated by the Australian Institute of Valuers and Land Economists, Queensland Division and awarded to the student with the best performance in the final year of the Bachelor of Applied Science (Property Economics).

Australian Road Federation (Queensland Region) – Road Study Award
Awarded to a student in the Bachelor of Engineering (Civil) who prepares the best assignment in the unit CEB512 Transport Engineering I.

Australian Water and Wastewater Association/Don King-Scott Memorial Prize*
Donated by the Queensland Division of the Australian Water and Wastewater Association in memory of Don King-Scott’s contribution to public health engineering in Queensland. The prize is awarded to a postgraduate student undertaking studies on a water-based project or research. Students must submit a dissertation in competition with students from four other universities.

Board of Architects of Queensland Prizes
Awarded:
□ to the student who shows the greatest proficiency during the first three years of the architecture courses
□ to the student who shows the greatest proficiency on graduation from the Bachelor of Architecture.

Built Environment and Engineering Student Seminar Awards/Dean’s Seminar Award
Awarded to a final-year student of an undergraduate degree in the Faculty of Built Environment and Engineering for excellence in the presentation of a seminar. The seminar may be based on final-year project work or on an industry-related project. Participants will be selected at a school level to represent their respective discipline. A judging panel will select an overall winner at an evening presentation of the seminars.

CMPS & F Engineering Bursary*
Donated by CMPS & F Pty Ltd and awarded to the student who, on completion of the second year of a Bachelor of Engineering, has the most potential to become a useful member of the engineering profession. The bursary provides financial assistance and work experience for the recipient in the third and fourth years of their course. Selection of the successful candidate is determined by an interview panel comprising representatives from CMPS & F Pty Ltd and the Faculty of Built Environment and Engineering.
Cottrell Cameron and Steen Surveys Pty Ltd Prize
Awarded to the student in the Bachelor of Applied Science (Surveying) or the Bachelor of Applied Science (Surveying)/Bachelor of Information Technology who obtains the best result in the unit SVB443 Photogrammetry 2.

Dean's Awards For Excellence
Awarded to the top graduand in each undergraduate course in the Faculty of Built Environment and Engineering.

Department of Lands Prize for Dux of the Course
Awarded to the graduate who achieves the highest aggregate mark in the Graduate Diploma in Surveying Practice.

Design Institute of Australia Award
Awarded to the outstanding design student in the final year of the Graduate Diploma in Industrial Design.

The Director-General Department of Transport Prize for Engineering and Detail Surveying
Awarded to the graduate of the Graduate Diploma in Surveying Practice who has achieved a high level of proficiency and demonstrated significant potential in Engineering and Detail Surveying.

DSTO Microwave Radar Undergraduate Prize
Awarded to the final-year student in the Bachelor of Engineering (Electrical and Computer Engineering) or (Aerospace Avionics), or the Bachelor of Engineering (Electronics)/Bachelor of Information Technology who submits the final-year project of exceptional merit in an area of technology relevant to microwave radar.

Electric Energy Prizes
Donated by the South East Queensland Electricity Board and awarded to the Bachelor of Engineering (Electrical and Computer Engineering) student with the best performance in designated units relevant to electric energy.

ESSO Engineering Design Awards
Donated by Esso Australia Limited to students across three engineering disciplines (Civil Engineering; Electrical and Electronic Systems; and Mechanical and Manufacturing Engineering) for excellence in engineering design for a project produced during the final year. The design must demonstrate a range of professional skills: an understanding of market needs, a practical approach to problem solving, and the ability to present the project in a clear, concise, professional manner.

Fulton Gilmour Trotter Moss Architects Design Prize
Awarded to a student with the highest percentage marks in the fourth-year design unit ARB007 Architectural Design 7.

Fulton Gilmour Trotter Moss Architects Research Award
Awarded to a student who demonstrates a high level of potential in fifth-year Architectural research and who is enrolled in the research unit ARB052 Architectural Research 1.

Golder Associates Geotechnical Engineering Studies Award
Donated by Golder Associates Pty Ltd and awarded to a student of the Bachelor of Engineering (Civil) who has obtained high aggregate marks for the units ESB229 Geology in the Built Environment, CEB240 Soil Mechanics 1 and CEB241 Soil Mechanics 2 and, in addition, is interested in working in geotechnical engineering and is seen to have the personal skills and attributes required for advancement within that field.

Hardie Iplex Pipeline Awards*
Donated by Hardie Iplex Pipelines and awarded to a student enrolled in the penultimate year
of the Bachelor of Engineering (Civil) and the Associate Diploma in Civil Engineering. The awards are made on the basis of academic performance in units related to water engineering or engineering practice, together with consideration of the students’ interests and involvement in engineering practice and activities both within the University and the community.

**Hastings Deering Bursary**
Awarded to a fourth-year student in the Bachelor of Engineering (Mechanical). Criteria include academic achievement and a demonstrated interest in equipment maintenance and its importance in today’s mining environment.

**Heilbronn and Partners Pty Ltd Prize**
Awarded to the student with the highest result in the units SVB561 and SVB664 Land Development Practice 1 and 2 in the Bachelor of Applied Science (Surveying) or the Bachelor of Surveying.

**Heilbronn and Partners Pty Ltd Prize for Survey Project Management**
Awarded to the graduate of the Graduate Diploma in Surveying Practice who has achieved a high level of proficiency and demonstrated significant potential in Survey Project Management.

**Institute for Drafting and Design Australia Prize**
Awarded to a graduate of the full-time Bachelor of Technology who obtains the best results in the units MEB181 Engineering Communication and MEB282 Design 1.

**Institution of Electrical Engineers, United Kingdom Prize**
Awarded to the Honours student submitting the best project in the final year of either the Bachelor of Engineering (Electrical and Computer Engineering) or (Aerospace Avionics) or the Bachelor of Engineering (Electronics)/Bachelor of Information Technology.

**Institution of Engineers, Australia – J.H. Curtis Award**
Donated by the Institution of Engineers, Australia (Queensland Division) and awarded to a Bachelor of Engineering student who submits the best final-year project.

**Institution of Engineers, Australia – Electrical College Student Award**
Awarded to the final-year student in the Bachelor of Engineering (Electrical and Computer Engineering) or (Aerospace Avionics) or the Bachelor of Engineering (Electronics)/Bachelor of Information Technology with the highest grade point average who is also a student member of the Institution of Engineers, Australia.

**Institution of Surveyors, Australia (Queensland Division) – N.J. Neilson Prize**
Awarded to a third-year student of the Bachelor of Surveying who is most proficient in practical and academic work.

**Institution of Surveyors, Australia (Queensland Division) – S.E. Reilly Prize**
Awarded to the final-year student of the Bachelor of Surveying who is judged most proficient in practical work as well as academic work, taking into account community spirit as displayed by willingness to take part in activities outside the scope of the formal degree course.

**Institution of Surveyors, Australia (Queensland Division) and Peter W. Dawson & Associates Pty Ltd Prize for Professional Practice**
Donated jointly by the Institution of Surveyors, Australia (Queensland Division) and Peter W. Dawson & Associates Pty Ltd and awarded to the graduate of the Graduate Diploma in Surveying Practice who has demonstrated a thorough understanding of the legal responsibilities of surveyors, a high level of professionalism and a commitment to working for the furtherance of the profession.

**IREE – MITEC Awards**
Donated by the Institution of Radio and Electronics Engineers, Australia (Brisbane Division)
and MITEC Australia Ltd and awarded to the student who performs best in units relating to electronics and communications in the final year of the Bachelor of Engineering (Electrical and Computer Engineering) or (Aerospace Avionics).

**James Hardie Design Award**
Awarded to the student in the third or fourth years of the Architecture courses whose project shows a high degree of excellence of design and imaginative and creative use of Hardie’s building products for functional, practical and aesthetic purposes.

**James Hardie Prize for Building**
Awarded to the student with the best academic achievement in the Bachelor of Applied Science (Construction Management) who has completed the equivalent of two years full-time.

**Jasco Pty Ltd Prize**
Awarded to the Bachelor of Technology (Mechanical) student with the best performance in the unit MEB773 Design for Manufacturing 1.

**John Grayson Pike Memorial Prize for Cadastral Surveying**
Donated by the Association of Consulting Surveyors (Queensland) and Pike Mirls McKnouly Pty Ltd and awarded to the graduate of the Graduate Diploma in Surveying Practice who has achieved a high level of proficiency and demonstrated significant potential in cadastral surveying.

**John Kindler Memorial Prize**
Awarded in memory of Mr John Kindler, former Chief Engineer in the Co-ordinator General’s Department, to a graduate of the Bachelor of Engineering for outstanding performance throughout the course. Selection is based not only on academic achievement, but requires an involvement in sport, campus and general community activities, concern for and relation with peers and a mature approach to their potential as a graduate. Candidates must attend a personal interview.

**Jones Lang Wootton (Qld) Pty Limited Prize for Commercial Property**
Donated by Jones Lang Wootton (Queensland) Pty Limited and awarded to the student with the most outstanding performance in the unit ‘CNB564 Valuation 7’ in the Bachelor of Applied Science (Property Economics).

**Lawson Surveys Prize**
Awarded to the student in the second year of the Bachelor of Surveying who demonstrates the highest level of achievement in practical work in the units PSB328 Land Surveying 4 and PSB329 Land Surveying 5.

**Karl Langer Memorial Award**
Donated by the Australian Institute of Landscape Architects and awarded to a student in the Graduate Diploma in Landscape Architecture who, in the opinion of the adjudicators, shows marked potential for the practice of landscape architecture.

**Keilar Fox and McGhie Pty Ltd Prize for Mapping**
Awarded to a graduate of the Graduate Diploma in Surveying Practice who has achieved a high level of proficiency and demonstrated significant potential in mapping.

**Leica Instruments Pty Limited Prize**
Awarded to the student with the best performance in the unit PSB306 Cartography 1 in the Bachelor of Surveying or the Bachelor of Surveying/Bachelor of Information Technology.

**Local Government Engineering Prize**
Donated by the Queensland Foundation for Local Government Engineering and awarded to the graduating Bachelor of Engineering (Civil) student who obtains the best overall performance in the units CEB405 Civil Engineering Design 2, CEB313 Traffic Engineering,
CEB371 Water and Waste Water Systems, CEB305 Construction Planning and Economics and, where appropriate, CEB401 Design Project and/or electives.

Louvre Windows Australia Prize
Awarded to the student who obtains the highest mark in the unit FNB116 Financial Management for Engineers in the final year of the Bachelor of Engineering (Mechanical).

Michael P. Schloman Memorial Prize in Built Environment
Donated by Astra Panels Pty Ltd and awarded to a student undertaking the Bachelor of Built Environment who, at the first attempt, shows the greatest overall proficiency in the first-year units of the course.

MIM Holdings Limited Prize – Engineering
Awarded to a final-year student in a Bachelor of Engineering course who undertakes a project of benefit to MIM Holdings Limited and/or the mining industry and which is judged to be of a high academic standard.

Minister for Housing, Local Government and Planning – Town Planning Prize
Awarded to the final-year student in the Graduate Diploma in Urban and Regional Planning whose thesis is considered to contribute most towards the advancement of town planning in the area of local government.

National Trust Historic Building Prizes
Awarded to two final-year students, one from the School of Architecture, Interior and Industrial Design and one from the School of Planning, Landscape Architecture and Surveying, for a thesis (or project) study of an historic building or precinct related to Queensland.

Neville Lund Memorial Prize
Awarded to the student in the final year of the Bachelor of Built Environment (Landscape Architecture or Urban and Regional Planning major) for the best project in integrated environmental design.

Noel Robinson Architects Prize
Awarded to the Dux of the sixth year of the Bachelor of Architecture, determined by the best overall grade point average.

Norman Disney and Young Prize for Property Management
Donated by Norman Disney and Young and awarded to a Bachelor of Applied Science (Property Economics) student with the most outstanding performance in the units CNB665 Property Management 1 and CNB666 Property Management 2.

Paddy Behan Memorial Prize – Design in Landscape Architecture
Donated by the Local Government Association of Queensland and awarded to the student in the Graduate Diploma in Landscape Architecture who shows the most outstanding ability in the final-year unit PSP217 Landscape Design.

Paddy Behan Memorial Prize – Planning Study
Donated by the Local Government Association of Queensland and awarded to the student with the best performance in the unit PSN121 Planning Project in the Master of Built Environment (City and Regional Planning).

Peter McAnally Memorial Prize
Donated by the staff of the School of Civil Engineering in memory of their esteemed colleague and lecturer in geotechnical engineering and awarded to the best student in the elective units CEB541 and CEB542 Geotechnical Engineering 2 & 3.

Queensland Cement Limited Bursary*
Available to undergraduate students who have completed semester one of their second last year of study in the Faculties of Science, Business or Built Environment and Engineering.
Criteria include academic merit, career ambitions, communication skills and extra-curricula interests.

**Queensland Cement Limited Prize**
Awarded to the student with the best academic achievement in the Bachelor of Applied Science (Construction Management) who has completed the equivalent of three years full-time of the course.

**Queensland Department of Transport Prizes**
These prizes are awarded to officers of the Queensland Department of Transport in attendance at this University with the best performance in the Bachelor of Engineering (Civil) – Part-Time, and the Associate Diploma in Civil Engineering – Cadet Draftsperson.

**Queensland Electronic Development Association Prize**
Awarded to the student in the Bachelor of Engineering (Electrical and Computer Engineering) or (Aerospace Avionics) or the Bachelor of Engineering (Electronics)/Bachelor of Information Technology with the best performance in the units EEB820 Engineering Management and EEB821 Production Technology and Quality.

**RACQ Prize in Highway Engineering**
Donated by the Royal Automobile Club of Queensland and awarded to the final-year student in the Bachelor of Engineering (Civil) who attains the highest average marks in highway, traffic and transportation units, including any related final-year project.

**Rider Hunt Research Prize for Quantity Surveying**
Awarded to the student in the Bachelor of Applied Science (Quantity Surveying) who has submitted the research paper judged to have the highest standard both in content and presentation, on a topic related to the quantity surveying profession.

**Robert S. Brodribb Memorial Prize**
Donated by the Institute of Municipal Engineering Australia (Queensland Division Inc) and Mrs R.S. Brodribb and awarded to the student who exhibits the most outstanding performance in those units related to the Local Government Engineering major within the Graduate Diploma in Engineering or the Master of Engineering Science (Civil) courses.

**Rocla Prize**
Donated by Rocla Pipeline Products and awarded to the Bachelor of Engineering (Civil) third-year student who achieves the best academic results from both the final examination and class assignment in the units CEB305 Construction Planning and Economics 1 and CEB307 Construction Practice. The selected student must show an aptitude for construction management.

**Royal Australian Institute of Architects – QIA Medallion**
Awarded to the most outstanding student in the sixth year of the Bachelor of Architecture. The student must have shown consistent progress throughout the course.

**Royal Australian Planning Institute Prizes**
Awarded:
- to the final-year student with the best overall performance in the Graduate Diploma in Urban and Regional Planning
- for the best performance by a final-year student in either the Urban and Regional Planning or Landscape Architecture strand of the Bachelor of Built Environment
- to the student in the first year of the Graduate Diploma in Urban and Regional Planning who, in the opinion of the Head of School, has achieved the best overall performance for the year
to the student in the second year of the Graduate Diploma in Urban and Regional Planning who, in the opinion of the Head of School, has achieved the best overall performance for the year.

**School of Electrical and Electronic Systems Engineering Course Coordinator’s Prizes**

Awarded to:

- a Bachelor of Engineering (Electrical and Computer Engineering) student with the best academic achievement (overall course GPA) enrolled in the unit EEB101
- a Bachelor of Engineering (Electrical and Computer Engineering) student with the best academic achievement (overall course GPA) enrolled in the unit EEB375
- a Bachelor of Engineering (Electrical and Computer Engineering) student with the best academic achievement (overall course GPA) enrolled in the unit EEB591
- a Bachelor of Engineering (Aerospace Avionics) student with the best academic achievement (overall course GPA) enrolled in the unit EEB101
- a Bachelor of Engineering (Aerospace Avionics) student with the best academic achievement (overall course GPA) enrolled in the unit EEB375
- a Bachelor of Engineering (Aerospace Avionics) student with the best academic achievement (overall course GPA) enrolled in the unit EEB591
- a Bachelor of Engineering (Electronics)/Bachelor of Information Technology student with the best academic achievement (overall course GPA) enrolled in the unit EEB101
- a Bachelor of Engineering (Electronics)/Bachelor of Information Technology student with the best academic achievement (overall course GPA) enrolled in the unit EEB310
- a Bachelor of Engineering (Electronics)/Bachelor of Information Technology student with the best academic achievement (overall course GPA) enrolled in the unit EEB591
- a Bachelor of Engineering (Electronics)/Bachelor of Information Technology student with the best academic achievement (overall course GPA) enrolled in the unit EEB821
- a Bachelor of Engineering (Electronics)/Bachelor of Information Technology student with the best academic achievement (overall course GPA) enrolled in the unit EEB591
- a Bachelor of Engineering (Electronics)/Bachelor of Information Technology student with the best academic achievement (overall course GPA) enrolled in the unit EEB821
- a Bachelor of Engineering (Electronics)/Bachelor of Information Technology student with the best academic achievement (overall course GPA) enrolled in the unit EEB591
- a Bachelor of Engineering (Electronics)/Bachelor of Information Technology student with the best academic achievement (overall course GPA) enrolled in the unit EEB821
- a Bachelor of Engineering (Electronics)/Bachelor of Information Technology student with the best academic achievement (overall course GPA) enrolled in the unit EEB591
- a Bachelor of Engineering (Electronics)/Bachelor of Information Technology student with the best academic achievement (overall course GPA) enrolled in the unit EEB821
- a Bachelor of Engineering (Electronics)/Bachelor of Information Technology student with the best academic achievement (overall course GPA) enrolled in the unit EEB591
- a Bachelor of Engineering (Electronics)/Bachelor of Information Technology student with the best academic achievement (overall course GPA) enrolled in the unit EEB821
- a Bachelor of Engineering (Electronics)/Bachelor of Information Technology student with the best academic achievement (overall course GPA) enrolled in the unit EEB591

**Society for Growing Australian Plants Prize**

Donated by the Society for Growing Australian Plants (Queensland Region) Inc and awarded to a student in the Graduate Diploma in Landscape Architecture for the best design using Australian native plants.

**Society of Engineering Associates Award**

Awarded to an outstanding graduate of a Bachelor of Technology course.

**Society of Manufacturing Engineers Prize**

Awarded to the full-time final-year student in the Bachelor of Engineering (Manufacturing Systems)/Bachelor of Business (Marketing) who submits the best project in the unit MEB900 Manufacturing Project.

**Suncorp Property Economics Prize**

Donated by Suncorp Insurance and Finance and awarded to the student in the Bachelor of Applied Science (Property Economics) with the most outstanding performance in the units CNB465 Property Investment Analysis 1 and CNB466 Property Investment Analysis 2.

**Surveying Staff Prize**

Donated by the staff of the Discipline of Surveying and awarded to the student in the Bachelor of Surveying who completes second year with the highest result in the unit PSB317 Land Administration 3.
Telecom Engineering Prize
Awarded to the third-year full-time student in the Bachelor of Engineering (Electrical and Computer Engineering) or (Aerospace Avionics) or the Bachelor of Engineering (Electronics)/Bachelor of Information Technology completing the unit EEB661 Information Theory and Noise at the first attempt, who achieves the highest semester GPA in the semester in which EEB661 is completed.

Urban Design Advisory Council Surveying Prize
Donated from a fund established by the Urban Design Advisory Council and awarded to the student enrolled in the Bachelor of Applied Science (Surveying) who produces the best urban design in the final year of the course.

Urban Design Advisory Council Town Planning Prize
Donated from a fund established by the Urban Design Advisory Council and awarded to the student in the Master of Urban and Regional Planning who submits the best option project in the final year of the course.

Woods Bagot Bursary in Interior Design*
Awarded to a continuing student of academic excellence following the first two years in interior design, with high achievement in the unit ARB460 Interior Design 2, and with an ability to recognise the relationship between academic studies and the needs of the profession in interior design.

Woods Bagot Bursary in Architecture*
Awarded to a continuing student of academic excellence following the first three years in architecture, with high achievement in the unit ARB006 Architectural Design 6, and with an ability to recognise the relationship between academic studies and the needs of the profession in architecture.

Faculty of Business
The following list of prizes is subject to final approval by respective donors and may be changed or withdrawn without notice.

Please note that students are required to apply to the Faculty of Business for bursaries and scholarships.

All equivalent units will be considered in the allocation of prizes.

Accountancy Placements Pty Ltd Prize
Awarded annually to the student enrolled in the Bachelor of Business who attempts for the first time the unit AYB225 Management Accounting I and achieves the best academic result.

Advertising Institute of Australia Prize
Awarded to the Bachelor of Business (Communication) graduand who achieves the highest aggregate marks in the six unit advertising specialisation.

AMP Society Award
Awarded to the student group which produces the best community relations project in the unit COB323 Public Relations Campaigns.

Ansett Airlines/CIT Prize for Transport Economics
Awarded to the Bachelor of Business student who achieves the best academic result in the unit EFB217 Transport and Communication Economics.

Arthur Andersen & Co Medal
Awarded to a student enrolled full-time in the Bachelor of Business (Accountancy), Bachelor of Business (Banking and Finance) or the combined Bachelor of Business (Accountancy)/
Bachelor of Law course entering his or her final full-time year of study. Students will have completed at least 12 units while enrolled in one of the above courses at QUT. Selection is initially based on academic achievement; students then undertake an interview designed to assess motivation, communication and interpersonal skills and initiative.

**Association of Taxation and Management Accountants Prizes**
Awarded:
- to the student undertaking the Accountancy extended major, enrolled in the Bachelor of Business degree, who has achieved the best academic result in the unit AYB325 Taxation Law
- to the top two Bachelor of Business students majoring in Accounting or Banking and Finance with the best academic result in the units AYB225 Management Accounting I and AYB226 Management Accounting II
- to the Bachelor of Business student, majoring in Accountancy or Banking and Finance, with the best performance in AYB326 Taxation of Business Entities.

**Australian Association of National Advertisers Prize**
Awarded to a graduand of the Bachelor of Business (Communication) specialising in Advertising who attains the most meritorious overall results in the six specialisation units studied.

**Australian Human Resources Institute Prizes**
Awarded:
- to the graduating student with the best overall performance in the Bachelor of Business (Human Resource Management) course, and
- to the second-year student with the best overall performance in the Bachelor of Business (Human Resource Management) course.

**Australian Institute of Management Prizes**
Awarded:
- to the Bachelor of Business (Management) student for high achievement on completion of units which comprise the first full-time year of the Bachelor of Business, and
- to the Bachelor of Business (Management) student for consistently high achievement on completion of units which comprise the second full-time year of the Bachelor of Business.

**Australian Society of Certified Practising Accountants Prizes**
- To qualify, a student must be studying the Bachelor of Business course majoring in Accountancy or Banking and Finance full-time for the first time. The student must pass at least eight units in the first year of enrolment including BSB110 Accounting, AYB121 Financial Accounting, and AYB120 Business Law. The student with the best grade point average over the eight units is the recipient of the prize.
- To qualify, a student must have studied Accountancy full-time over the previous two years and have completed at least 16 units. The second-year student with the greatest grade point average over the best eight units studied in the second year of enrolment is the recipient of the prize.
- Awarded to the full-time graduating student in the Bachelor of Business course majoring in Accountancy or Banking and Finance, who completes the course in minimum time, who is eligible for membership of the Australian Society of Certified Practising Accountants and who has the best grade point average.

**Australian Stock Exchange Prize**
Awarded to the student/s undertaking COB316 Government and Financial Relations for
the best strategy to educate the Queensland investment community on how technology is increasing ASX efficiency and ease of information access for the investor.

**Brisbane Commercial Radio Stations Prize**
In conjunction with the Faculty of Arts this prize is donated by the Federation of Australian Radio Broadcasters and awarded to the Bachelor of Business (Journalism) or Bachelor of Arts (Journalism) graduand who achieve the best overall results in radio broadcasting units.

**BTQ Channel 7 Scholarship**
In conjunction with the Faculty of Arts this prize is awarded to a student specialising in the communication or media fields – advertising, film and television production, journalism, media studies, organisational communication or public relations. Students must have completed second year full-time (or its equivalent), be undertaking a major in one of the communication or media areas and have enrolled to study third year full-time at QUT.

**Butterworths Book Prizes**
Awarded:
- to the student who achieves the best academic result in the unit EFB310 Financial Institutions – Control
- to the student who achieves the best academic result in the unit AYB311 Financial Accounting Theory
- to the student who achieves the best academic result in the unit AYB120 Business Law, and
- to the student who achieves the best academic result in the unit MGB207 Managing Human Resources.

**Castlemaine Perkins Bursary**
Awarded to a second-year Bachelor of Business student specialising in advertising, marketing, or public relations on the basis of academic merit and economic need.

**Chartered Institute of Management Accountants Prize**
Awarded to a student in the Bachelor of Business (Accountancy) degree who, at the first attempt, obtains the best results in AYB226 Management Accounting II.

**Coca-Cola Bottlers Bursary**
Awarded to a first-year Bachelor of Business student on the basis of academic merit and economic need.

**Commonwealth Bank Award**
Awarded to the Bachelor of Business student who, at the first attempt, achieves the best academic result in the unit EFB103 Macroeconomics.

**Coopers and Lybrand Prize**
Awarded annually:
- to the student enrolled in the Bachelor of Business majoring in Accountancy or Banking and Finance who attempts for the first time the unit AYB220 Company Accounting and achieves the best academic result
- to the student enrolled in the Bachelor of Business (Accountancy) course who attempts for the first time the unit AYB301 Auditing and achieves the best academic result.

**Country Press Award**
In conjunction with the Faculty of Arts this award is donated by the Queensland Country Press Association and awarded to the student who achieves the best academic result in the unit MJB224 Feature Writing.
Dean's Award for Excellence
Awarded to the students who have obtained a Grade Point Average that signifies that they have excelled in their course of study. Given the nature of the award, the Dean may under his/her discretion set a minimum standard of academic performance for receiving this award. The award is offered for all undergraduate and postgraduate degree courses of the Faculty of Business.

Deloitte Ross Tohmatsu Prize
Awarded to the student enrolled in the Bachelor of Business undertaking the Accountancy major who, at the first attempt, achieves the best academic result in the unit AYB221 Computerised Accounting Systems

Douglas Heck Award
Awarded to the graduand in the Bachelor of Business, majoring in Accountancy, in each calendar year who passes the units AYB225 Management Accounting I and AYB226 Management Accounting II for the first time and obtains the highest average grade over the two units.

Economic Society of Australia (Qld) Inc Prize
Awarded to the graduating full-time student with the best overall performance in the Bachelor of Business (Economics) degree.

Federation of Australian Radio Broadcasters Prize
In conjunction with the Faculty of Arts:
- awarded to the student who achieves the highest grade in the radio segment of the unit MJB338 Radio and Television Journalism 2
- awarded to the student who achieves the highest standard in COB305 Advertising Copywriting – Electronic.

Golden Casket Art Union Office Strategic Marketing Prize
Awarded annually to the third-year student enrolled in the Bachelor of Business (Marketing) who achieves the best academic result in the unit MIB315 Strategic Marketing.

Harts Prize
Awarded to the student who completes the most innovative project in the unit AYB311 Financial Accounting Theory.

Merv Hoskins Memorial Prize
Donated by Mrs Hoskins and awarded to the Bachelor of Business student majoring in Accountancy or Banking and Finance who achieves, at the first attempt, the best academic result in the units BSB110 Accounting and AYB121 Financial Accounting in one academic year.

Karen Howitt Memorial Prize
(Criteria currently under review.)

Human Resource Management Group Prize
Awarded to the Bachelor of Business student who, at the first attempt, achieves the best academic result in the unit MGB305 HRM Strategy and Policy.

ICI Australiа Ltd Prize
Awarded to the final-year student enrolled in the Bachelor of Business (Marketing) who achieves the best overall performance.

Information System Audit and Control Association Prize
Awarded annually to the student who achieves the highest mark at the first attempt in the unit AY309 Computer Security and Audit.
Institute of Chartered Accountants, Australia Prize
Awarded to the full-time graduating Bachelor of Business (Accountancy) student who takes the units AYB311 Financial Accounting Theory, AYB301 Auditing and AYB325 Taxation Law for the first time and obtains the highest aggregate pass in all three areas.

Neville Jeffress Advertising Prize
Awarded to a full-time student enrolled in the Bachelor of Business (Communication) specialising in Advertising who achieves the best result in the unit COB306 Advertising Management.

KPMG Prizes
Awarded:

☐ to the full-time or part-time Bachelor of Business student majoring in Accountancy who, at the first attempt, takes the second-year unit AYB301 Auditing and achieves the best academic result
☐ to the full-time or part-time Bachelor of Business student majoring in Accountancy or Banking and Finance who, at the first attempt, achieves the best academic result in the unit AYB121 Financial Accounting.

Suzanne Lines Memorial Scholarship
Sponsored by the Australian Services Union and the Brisbane City Council. Eligible students include undergraduate and/or postgraduate students undertaking Industrial Relations units.

Lionel Ledlie Prize
(Criteria currently under review.)

MBA Medallion
Donated by the Faculty of Business, the MBA Medallion is an award made in recognition of academic excellence. To qualify for consideration for the award, a student must have demonstrated academic excellence throughout the entire Master of Business Administration program and have passed all units at a uniformly high standard.

MIM Holdings Ltd Prize
In conjunction with the Faculty of Arts this prize is awarded to the student of the Bachelor of Business (Journalism) or Bachelor of Arts (Journalism) course who obtains the best overall result in this course.

Malcolm Moore Medallion
Donated by the Australian Institute of Management in honour of a founder member of the Institute. This prize is awarded to the outstanding student who has performed at a consistently high standard while enrolled in the Bachelor of Business.

PRIA ‘Maurice Stitt’ Award
Donated by the Public Relations Institute of Australia (Queensland), and awarded to the Bachelor of Business (Communication) graduand specialising in Public Relations who has demonstrated academic distinction in the public relations units, and has epitomised the highest standards of the public relations profession.

Queensland Cement Limited (QCL) Bursary
Available to undergraduate students who have completed Semester 1 of their second-last year of study in the Faculties of Built Environment and Engineering, Business or Science. Criteria include academic merit, career ambitions, communication skills and extra-curricula interests.

Queensland Local Government Accountants Association Prize
Awarded to the student who obtains the best academic result in the undergraduate elective AYB313 Government Accounting.
Queensland Tourist and Travel Corporation Prize
Awarded to the student enrolled in the unit COB333 Publicity and Promotion – Print who submits the best design plan and program for promoting tourism in Queensland.

QUT Marketing Trust Fund Prize
Donated by the School of Marketing and International Business and awarded to the Bachelor of Business student who achieves the best academic result in the unit MIB305 Market Research.

Royal Institute of Public Administration, Australia (Queensland) Prizes
Awarded annually:
- to the Bachelor of Business (Public Administration) student who, at the first attempt, achieves the best academic results in the units BSB114 Government, Business & Society and MGB205 Machinery of Government
- to the Bachelor of Business (Public Administration) student who, at the first attempt, achieves the best academic results in the units MGB316 Policy Implementation and Evaluation and MGB318 Public Policy
- to the graduating full-time or part-time student with the best overall performance in the Master of Business (Public Policy) course.

J.F. Storr Prize
Donated by the Australian Society of Certified Practising Accountants and awarded at intervals to the student who, being a member of the Australian Society of Certified Practising Accountants, being resident in Queensland, and not being a full-time student, takes the unit AYN503 Managerial Accounting Honours for the first time and achieves the best academic result in that unit.

Taxation Institute of Australia Prize
Awarded to the full-time or part-time Bachelor of Business student majoring in Accountancy or Banking and Finance who achieves the best academic result in the unit AYB325 Taxation Law.

The Courier-Mail Prize for Journalism
In conjunction with the Faculty of Arts this prize is donated by Queensland Newspapers Pty Ltd and awarded to the graduating student with the best overall performance in the Bachelor of Business (Journalism) or Bachelor of Arts (Journalism) degree.

The Institute Prize
Awarded annually to the student who obtains the highest aggregate marks in the unit EFB311 Financial Institutions – Lending.

Sidney Webb Memorial Prize
Donated by the School of Management to the Bachelor of Business (Management) student specialising in Industrial Relations or the Bachelor of Business (Human Resource Management) student who, at the first attempt, achieves the best academic result in the unit MGB328 Work and Performance.

Faculty of Education

Australian College of Education Award
Awarded annually to the most outstanding graduate of initial teacher education. The awardee must have been enrolled in the Bachelor of Education (Pre-service) Secondary, Primary, Early Childhood at QUT for at least two years full-time or equivalent and must have achieved the highest overall course GPA.
**Australian Association of Special Education Award**
Awarded annually to the outstanding graduate completing one of the Bachelor of Education (Pre-service) ED50, ED51, ED52 and who has outstanding performance in a practicum unit undertaken in a Special/Support inclusive educational environment; who achieves the highest performance in two of the units of Special/Support inclusive education (HMB375, LEB331, LEB332, EAB324, CPB338, LEB305, CUB331) and who has achieved the highest overall course GPA in cases where more than one student has achieved the highest performance in the units for Special/Support inclusive education. (Criteria subject to final approval.)

**Faculty of Health**
The following list of prizes is subject to final approval by respective donors and prizes may be changed or withdrawn without notice.

**Allergan Hydron Prize**
Awarded to the third year student who gains the highest mark in the unit OPB617 Contact Lens Studies 6.

**Allergan Optical Prize**
Awarded to the third year student who gains the highest aggregate mark in the units OPB509 Optometry 5 and OPB609 Optometry 6.

**Australian Institute of Environmental Health Prize**
Awarded to the student who obtains with distinction the highest grade point average in the Bachelor of Applied Science (Environmental Health).

**Australian Optometrical Association Clinical Excellence Award**
Awarded to a fourth-year Optometry student taking into account aggregate marks in Clinical Optometry 7, Clinical Optometry 8 and Practice Management, and clinical performance as judged by clinical instructors in Optometry.

**Paddy Behan Memorial Prize**
Donated by the Local Government Association of Queensland, and awarded to the Environmental Health student who gains the highest marks in the unit PUB622 Environmental Health Project.

**Centaur Memorial Fund for Nurses Award**
Donated by the committee of the Centaur Memorial Fund for Nurses, and awarded to the student who gains the best grade point average in the final semester of the Bachelor of Nursing (Pre-registration) course.

**Robert Chan Award for Clinical Dietetics**
Awarded to the student who demonstrates outstanding application of clinical dietetics, based on performance in the unit PUP122 Practice in Clinical Dietetics.

**L.K. Claxton Award**
Donated by the Australian Podiatry Association (Qld) and awarded to the student who shows the greatest proficiency in the first two semesters of the podiatry course.

**Conrad and Gargett Pty Limited Prize**
Awarded to the student enrolled in the Bachelor of Business (Health Administration) course who, at the first attempt, achieves the best overall result in the unit PUB646 Health Services Planning.

**Deluxe Surgical Award**
Donated by the Deluxe Surgical Company Pty Ltd and awarded to the final year student in the Bachelor of Applied Science – Podiatry who gains the greatest distinction in the final year of the degree.
Dietitians Association of Australia – Queensland Branch Prize
Awarded to the student in the Graduate Diploma in Nutrition and Dietetics who is overall the top achiever taking into account the aggregate marks in the first two semesters of the course and performance in all areas of third semester as judged by lecturers in Nutrition and Dietetics.

Food Technology Association of Queensland Prize
Awarded to the graduand who obtains the highest aggregate marks in the Graduate Diploma in Nutrition and Dietetics.

A.M. Fraser Health Award
Awarded to a student in any course in Health who demonstrates exceptional application, determination and enterprise in successfully completing his or her course. Selected by a panel of academic staff from nominations submitted by class members from each course in the School.

C.W. Graves Award for Orthotics
Donated by the Australian Podiatry Association (Queensland Branch), and awarded to the final year student who has shown the greatest proficiency in the area of Orthotics.

Home Economics Professional Associations Prizes
Two prizes donated by the Home Economics Institute of Australia (Queensland Division), the Queensland Association of Home Economics Teachers and the Home Economics Alumni, and awarded for excellence in Home Economics studies.

D.W. Johnson Prize
Donated by the Queensland Division of the Australian Institute of Environmental Health, and awarded to the graduand who obtains, with distinction, the highest aggregate of marks in the units PUB520 Environmental Health Management 1 and PUB620 Environmental Health Management 2.

Dr Leo Kelly Award for Dermatology
Donated by the Australian Podiatry Association (Qld), and awarded to a third-year Podiatry student for achievement in Dermatology.

Miltex Achievement Award
Donated by Ozthotics Pty Ltd, and awarded to the student in the Bachelor of Applied Science (Podiatry) who attains the highest rate of progression in clinical podiatry during the fifth and sixth semesters.

OPSM Prize
Awarded to a third-year Optometry student, taking into account aggregate marks in Clinical Optometry 5 and Clinical Optometry 6, and clinical performance as judged by clinical instructors in Optometry.

Duncan Palmer Memorial Prize
Donated jointly by the Australian College of Health Services Executives and the Minister for Health, and awarded to the student who gains the highest aggregate marks over an academic year in the units PUB600 Health Management 1 and PUB605 Health Management 2 of the Bachelor of Business – Health Administration.

Queensland Meals on Wheels Services Assoc Inc Prize
Awarded to the top student in the unit PUP123 Practice in Community Nutrition in the Graduate Diploma in Nutrition and Dietetics selected by appropriate members of staff.

Queensland Medical Record Association Prize
Awarded to the graduand who obtains the highest mark at the first attempt in the unit PUB619 Health Information Management 4.
Queenstate Awards
Donated by Queenstate Nursing Service Pty Ltd, and awarded to one student from the pre-registration and one student from the post-registration Bachelor of Nursing courses for the best overall results in the units NSB321 Professional Practice Development and NSB224 Research Approaches in Nursing.

Remington Marshall Award
Awarded to the student in the final year of the Podiatry course who attains the highest rate of progression overall during the fifth and sixth semesters.

Royal Australian College of Medical Administrators Prize
Awarded to the student who obtains the highest pass at the first attempt for the unit LWS001 Medicine and the Law in the Bachelor of Business (Health Administration).

Safety Institute of Australia Medal
Awarded for outstanding academic performance to one graduand of the Graduate Diploma in Occupational Health and Safety and one graduand of the Bachelor of Applied Science (Occupational Health and Safety).

Spotless Catering Services Prize
Awarded to the student enrolled in the Graduate Diploma in Nutrition and Dietetics who submits the best report in the unit PUP132 Practice in Food Service Management.

Ken Ward Memorial Prize
Awarded to the student studying in the second year of the Optometry course, with the highest aggregate marks in the units OPB312 Visual Science 3 and OPB412 Visual Science 4.

Workplace Health and Safety Council Higher Education Award
Awarded to a student with the highest standard in the practical application of a workplace health and safety project in either the Bachelor of Applied Science (Occupational Health and Safety) or the Graduate Diploma in Occupational Health and Safety.

Carl Zeiss Pty Limited Award
Awarded to the first-year Optometry student who obtains the highest aggregate marks in the unit OPB232 Ophthalmic Optics 2.

Faculty of Information Technology

Australian Computer Society Incorporated Prizes
Awarded annually to the most outstanding graduates in the Computing Science and Information Systems majors of the Bachelor of Information Technology.

Australian Library and Information Association, Queensland Branch Prize
Awarded to the part-time student who completes the Graduate Diploma in Library and Information Studies within the time period appropriate for normal progression and achieves the highest aggregate marks in the course.

The AUUG Queensland Open Systems Prize
Awarded annually to the most outstanding student in either ITB443 Systems Programming or ITB532 Laboratory 4 (Network Management).

BHA Computer Prize
Awarded annually to the Computer Science major of the Bachelor of Information Technology student with the most outstanding performance in the units ITB420 Computer Architecture and ITB430 Concurrent Systems.

BRS Online Service Prizes
Awarded to the two students who perform best in the unit ITP314 Online Information Services within the Graduate Diploma in Library and Information Studies.
Data#3 Client Services Pty Ltd Prize
Awarded to the most outstanding student in the Information Systems major of the Bachelor of Information Technology.

ERACOM Data Security Prize
Awarded annually to the most outstanding student in the unit ITB543 Data Security.

ERACOM Cryptology Prize
Awarded annually to the most outstanding student in the unit ITB548 Introduction to Cryptology.

Learmonth & Burchett Management Systems (LBMS) Prize
Awarded annually to the most outstanding student in the unit ITB224 Systems Analysis & Design 2.

Leprechaun Software Pty Ltd Prize
Awarded annually to the most outstanding student in the unit ITB520 Data Communications.

State Library of Queensland Merit Award
Awarded to the full-time student who completes the Graduate Diploma in Library and Information Studies within the time period appropriate for normal progression and achieves the highest aggregate marks in the course.

Faculty of Law
Bar Association of Queensland Prize
An annual prize awarded to the graduand with the best performance in the units LWB432 Evidence and LWB431 Civil Procedure.

Butterworths Prizes
☐ Administrative Law: An annual prize of a book voucher awarded to the student with the best performance in the unit LWB331 Administrative Law.

☐ BA Justice Studies: An annual prize of a book voucher awarded to the student with the best performance in the first year of the Bachelor of Arts (Justice Studies) course.


☐ Equity and Trusts: An annual prize of a book voucher awarded to the student with the best performance in the unit LWB234 Equity and Trusts.

☐ Property 1: An annual prize of a book voucher awarded to the student with the best performance in the unit LWB233 Property 1.

Central Queensland Law Association Bursary
An annual prize awarded to the first-year articled law clerk residing in the Central Queensland area with the highest mark in the unit LWB131 Law in Context. In the event that there is no one eligible, the bursary shall be awarded to the articled law clerk residing in Central Queensland who has the highest aggregate of marks for the year.

Charles Seymour Memorial Prize
An annual prize presented by Phillips Fox to perpetuate the memory of the late Charles Seymour, awarded to the student with the highest average marks in law units studied for the LLB degree.

Clewett Corser & Drummond Prize
Land Contracts: An annual prize awarded to the student with the best performance in the unit LWB312 Land Contracts.
computeRReporters (Qld) Pty Ltd Prize
Evidence: An annual prize awarded to the student who achieves the highest result in semester I in the unit LWB432 Evidence.

Corrs Chambers Westgarth Prize
Corporate Law: An annual prize awarded to the student with the best performance in the unit LWB334 Corporate Law.

Ebsworth and Ebsworth Prize
Civil Procedure: An annual prize of the looseleaf service ‘Supreme Court Practice’ by Ryan, Weld & Lee awarded to the student with the best performance in the unit LWB431 Civil Procedure.

Feez Ruthning Prize
Insolvency Law: An annual prize awarded to the student with the best performance in the unit LWB307 Insolvency Law.

Freehill Hollingdale and Page Prize
An annual prize awarded to the third year full-time combined Accountancy/Law student with the highest aggregate marks in Law units.

Gilshenan & Luton Prize
Criminal Law and Procedure: An annual prize awarded to the student with the best performance in the unit LWB232 Criminal Law and Procedure.

Gold Coast Law Association Bursaries

- Civil Procedure: A bursary awarded each year to the student (who is not a full-time student and who is articled to a solicitor in the Gold Coast area) with the best performance in the unit LWB431 Civil Procedure.
- Drafting, Securities and Land Contracts: A bursary awarded each year to the student (who is not a full-time student and who is articled to a solicitor in the Gold Coast area) with the best performance in the units LWB361 Drafting, LWB492 Securities and LWB312 Land Contracts.

Gordon Garland Prize
Family Law: An annual prize awarded to the student with the best performance in the unit LWB302 Family Law.

Hill & Taylor Prizes

- Drafting and Securities: An annual prize awarded to the student with the best performance in the units LWB361 Drafting and LWB492 Securities.
- Restrictive Trade Practices: An annual prize awarded to the student with the best performance in the unit LWB410 Restrictive Trade Practices.

Justin Geldard Memorial Prize
An annual prize to perpetuate the memory of the late Justin Geldard, awarded to the graduand eligible for the award of the Bachelor of Laws with the best pass degree.

K.G. Copp Memorial Prize
An annual prize to perpetuate the memory of the late Graham Copp, awarded by Corrs Chambers Westgarth to the graduating student with the highest average marks in Law units studied for the LLB degrees.

Law Book Company Prizes

- Law in Context: An annual prize of a book voucher awarded to the student with the best performance in the unit LWB131 Law in Context.
- Professional Responsibility: An annual prize of a book voucher awarded to the student with the best performance in the unit LWB433 Professional Responsibility.
Theories of Law: An annual prize of a book voucher awarded to the student with the best performance in the unit LWB333 Theories of Law.

Succession: An annual prize of a book voucher awarded to the student with the best performance in the unit LWB309 Succession.

McCullough Robertson Prizes
- An annual prize awarded to the third-year full-time LLB student with the highest aggregate mark in Law units.
- An annual prize awarded to the third-year full-time LLB student with the second highest aggregate mark in Law units.
- An annual prize awarded to the fourth-year full-time combined Accountancy/Law student with the highest aggregate mark in Law units.
- An annual prize awarded to the fourth-year full-time combined Accountancy/Law student with the second highest aggregate mark in Law units.

Michell Sillar Nicholsons Prize
- Environmental Law: An annual prize awarded to the student with the best performance in the unit LWB485 Environmental Law.

Queensland Anti-Discrimination and Equal Opportunity Law Prize
- Discrimination and Equal Opportunity Law: An annual prize awarded to the student nearing the completion of their LLB degree with the best performance in the unit LWB313 Discrimination and Equal Opportunity Law.

Queensland Health Department Prize
- Medico-Legal Issues: An annual prize awarded to the student attaining the highest mark in the LLB elective unit LWB483 Medico-Legal Issues.

Queensland Law Society Prize
- An annual prize awarded to the graduand eligible for the award of Bachelor of Laws with the highest aggregate marks in the units LWB332 Property 2, LWB334 Corporate Law, LWB361 Drafting, LWB492 Securities, LWB312 Land Contracts, and LWB364 Introduction to Taxation Law.

Queensland Young Lawyers Prize
- Research and Legal Reasoning: An annual prize awarded to the student with the best performance in the unit LWB134 Research and Legal Reasoning.

Rod Grant Memorial Prize
- An annual prize to perpetuate the memory of the late Rod Grant, awarded under a trust by Thynne and Macartney to the Legal Practice Course student who produces the most practical/professional answer to a legal problem set by an independent panel of practitioners.

The Maritime Law Association of Australia and New Zealand Ltd Prize
- Maritime Law: An annual prize awarded to the student who achieves the highest overall grade point average in the elective unit LWB487 Maritime Law.

Una Prentice Memorial Prize
- An annual prize awarded under a trust by the Women Lawyers’ Association of Queensland to the woman student with the highest average marks in Law units studied for the LLB degree.

United Nations Association of Australia (Queensland) Prize
- Fundamentals of Public International Law: An annual prize and one year’s complimentary membership of the Queensland Division of the Association awarded to the student with the best performance in the unit LWB406 Fundamentals of Public International Law.
Faculty of Science

Advanced Technology Laboratories and Australian Institute of Radiography Prize
Awarded to the student who achieves the highest mark in Clinical Practice units in the first year of the Master of Applied Science – Medical Ultrasound major.

AGFA-Gevaert and Australian Institute of Radiography Prize
Awarded to the student obtaining the highest marks in the first-year unit PHB275 Processing Technology of the Bachelor of Applied Science (Medical Imaging Technology).

L.G. Amos Prize
Awarded each year to the graduand from the multidisciplinary Bachelor of Applied Science with major studies in Chemistry who, in the opinion of the Head of the School of Chemistry, obtains the best academic record over the length of the course.

Australian Association of Clinical Biochemists Prize
Donated by the Queensland Branch of the Association, and awarded to the student in the Bachelor of Applied Science (Medical Laboratory Science) who gains the highest aggregate marks with distinction in the units LSB520 Clinical Biochemistry 5 and LSB620 Clinical Biochemistry 6.

Australian Institute of Medical Scientists Prize
Donated by Radiometer Pacific and awarded to the graduand who obtains, with distinction, the highest aggregate marks over all of the clinical techniques units of the Associate Diploma in Clinical Techniques – Laboratory strand.

Australian Laboratory Services Pty Ltd Prize
Awarded to a full-time or part-time student of the Bachelor of Applied Science (Applied Chemistry) or the multidisciplinary Bachelor of Applied Science with major studies in Chemistry who has the best results in the final-year Analytical Chemistry units.

Australian Organisation for Quality Award
Awarded annually to the most outstanding graduand, based on the highest grade point average over the duration of the course.

Australian Society for Parasitology Prize
Awarded to the student with the highest mark in the practical component of the unit LSB500 Microbiology 5.

Australian Society of Cytology Prize
Awarded to the student gaining the highest mark in either of the cytology units Cytological Techniques 4 or LSB660 Histopathology 6.

Alan Bailey Prize
Awarded to the student with the best overall performance in LSB502 Projects 1 and LSB602 Projects 2 in the final year of the Bachelor of Applied Science (Biology).

David Barry Memorial Prize
Awarded to the graduate with the best overall academic performance in the Biology major of the Associate Diploma in Applied Science.

Canberra – Packard Prize
Awarded to the graduand undertaking major studies in Physics who has obtained the best academic record in the final year of the multidisciplinary Bachelor of Applied Science.

Castlemaine Perkins Scholarship in Applied Chemistry
Offered annually for a period of one academic year to a student chosen from those who satisfactorily complete the fourth semester of the full-time program of the Bachelor of Applied Science (Applied Chemistry) or the Bachelor of Applied Science (Chemistry major).
Centre for Medical and Health Physics Prize
Awarded to the student who, in the opinion of the Director of the Centre, is the best graduand of the Master of Applied Science – Medical Physics strand.

CRA Exploration Mapping Prize
Donated by CRA Exploration Pty Ltd, and awarded to the best project student in the Bachelor of Applied Science (Geology) for demonstrated ability in geological mapping.

George Edward Curphey Prize in Mathematics
Awarded to the student enrolled in the Bachelor of Applied Science (Mathematics) who, in the opinion of the Head of the School of Mathematics, is the most academically outstanding graduate of the year.

George Edward Curphey Prize in Mathematical Modelling
Awarded to the student enrolled in the Bachelor of Applied Science (Mathematics) who obtains the best performance of the year in the unit MAB632 Mathematical Modelling, providing that the Head of School judges the student to be of sufficiently outstanding merit.

James Vincent Duhig Prize
Donated by the Australian Institute of Medical Scientists, and awarded to the student who gains the highest pass, with distinction, in the unit LSB560 Histopathology 5 in the Bachelor of Applied Science (Medical Laboratory Science).

Du Pont and Australian Institute of Radiography Award
Awarded to the student achieving the best academic record in the first year of the Bachelor of Applied Science (Medical Imaging Technology).

Hugo Flecker Memorial Prizes
Donated by the Royal Australasian College of Radiologists, Queensland Branch, and awarded to students in the third year of the Bachelor of Applied Science (Medical Imaging Technology) and the Bachelor of Applied Science (Radiotherapy Technology) respectively who obtain the best performance in the clinical practice units for that year.

GEC Medical and Australian Institute of Radiography Prize
Awarded to the student obtaining the highest marks in the first year unit PHB286 Treatment Planning 1 of the Bachelor of Applied Science (Radiotherapy Technology).

Geological Society of Australia Medal
Awarded to the graduand who obtains the best results in the Bachelor of Applied Science (Geology).

Colin Graham Memorial Prize
Awarded from monies held in trust to the graduand of the Bachelor of Applied Science (Applied Chemistry) who, in the opinion of the Head of the School of Chemistry, has the best academic record over the length of the course.

Hanimex and Australian Institute of Radiography Prize
Awarded to the student achieving the best academic record in the third year of the Bachelor of Applied Science (Medical Imaging Technology).

Incitec Ltd Prize
Awarded annually to a full-time or part-time student of the Bachelor of Applied Science in Applied Chemistry or the multidisciplinary Bachelor of Applied Science with major studies in Chemistry who, in the opinion of the Head of School, shows at the first attempt the greatest overall proficiency in Year 3, semesters 1 and 2 (or the part-time equivalent) of the above courses. If no student is considered suitable in a given year, no prize will be awarded.
Michael & Elizabeth Innis Prize
Awarded to the student who gains the highest pass with distinction in the units LSB550 Haematology 5 and LSB650 Haematology 6 in the Bachelor of Applied Science (Medical Laboratory Science).

Kodak Prize
Awarded to the student in the Bachelor of Applied Science (Medical Imaging Technology) who obtains the best academic record (as determined from awarded grades) for the course completed in that year.

I.M. & M.J. Mackerras Prize
Donated by the Australian Institute of Medical Scientists, and awarded to the student who gains the highest pass with distinction in the unit area of Medical Parasitology within the unit LSB500 Microbiology 5.

Mallinckrodt and Australian Institute of Radiography Award
Awarded to the student achieving the best academic record in the second year of the Bachelor of Applied Science (Radiotherapy Technology).

Meadow Lea Foods – J.L. Forsyth Memorial Prize
Donated by Meadow Lea Foods, and awarded to the student who has shown the greatest proficiency in the units of the fifth and sixth years of the part-time course for the Bachelor of Applied Science (Applied Chemistry).

Medical Applications and Australian Institute of Radiography Prize
Awarded to the student achieving the best academic record in the third year of the Bachelor of Applied Science (Radiotherapy Technology).

MIM Exploration Honours Bursary in Geology
Awarded to a student in the Bachelor of Applied Science (Honours) studying a Geology major. Criteria include level of academic achievement.

MIM Holdings Limited Prizes
Awarded:
- to the student who obtains the highest mark in the unit ESB592 Field Excursions in the Bachelor of Applied Science (Geology), and
- to the student who obtains the highest combined mark in the units MAB187 Engineering Mathematics 1A and MAB188 Engineering Mathematics 1B.

Mining and Metallurgical Bursaries Fund Prizes
Donated by the Australasian Institute of Mining and Metallurgy, and awarded to the students of the Bachelor of Applied Science (Geology) who show the most outstanding potential in completing the course.

PESA (Qld) Fossil Fuels and Basin Analysis Award
Awarded to the student in the Bachelor of Applied Science (Geology) who obtains the highest results for the third-year units ESB672 Fossil Fuels and ESB682 Sedimentology and Basin Analysis.

PESA (Qld) Sedimentary Geology Award
Awarded to the student in the Bachelor of Applied Science (Geology) who obtains the highest result for the unit ESB432 Geomorphology and Sedimentary Geology.

Physics Staff Prize
Awarded to the student completing the second year of the multidisciplinary Bachelor of Applied Science and undertaking major studies in Physics who obtains the best academic record for that year.
Prospectors Supplies Pty Ltd Prize
Awarded to the first-year student of the Bachelor of Applied Science (Geology) who obtains the highest aggregate marks for the year.

Queensland Cement Limited (QCL) Bursary
Available to undergraduate students who have completed semester one of their second-last year of study in the Faculties of Science, Business or Built Environment and Engineering. Criteria include academic merit, career ambitions, communication skills and extra-curricula interests.

Queensland Medical Laboratory Prize
Awarded to the student who obtains, with distinction, the highest pass over the ninth to twelfth semesters of the part-time course leading to the Bachelor of Applied Science (Medical Laboratory Science).

Royal Australian Chemical Institute Queensland Branch Prizes
Awarded to the students showing, at the first attempt, the greatest proficiency in the first and second years of the full-time course (or its part-time equivalent) leading either to the Bachelor of Applied Science (Applied Chemistry) or to the multidisciplinary Bachelor of Applied Science with major studies in Chemistry.

Royal College of Pathologists of Australasia (Queensland Committee) Prize
Awarded to the student who obtains the highest pass in the units LSB500 Microbiology and LSB600 Clinical Bacteriology 6 in the Bachelor of Applied Science (Medical Laboratory Science).

J.R. Saal Prize
Donated by Merck Pty Ltd and awarded to the full-time student graduating in minimum time who obtains, with distinction, the highest aggregate marks over all of the clinical units of the Bachelor of Applied Science (Medical Laboratory Science).

Santos Petroleum Management Honours Bursary in Geology
Awarded to a student in the Bachelor of Applied Science (Honours) studying a Geology major. Awarded on the basis of academic performance and motivation.

Sea World Prize
Awarded to the student with the highest aggregate marks in the final year of the Bachelor of Applied Science (Biology).

Schering and Australian Institute of Radiography Award
Awarded to the student achieving the best academic record in the second year of the Bachelor of Applied Science (Medical Imaging Technology).

Charles O. Schloman Memorial Prize
Donated by Astra Panels Pty Ltd, and awarded to the student undertaking the Bachelor of Applied Science (Applied Chemistry) or the Chemistry major of the multidisciplinary Bachelor of Applied Science who, in the opinion of the Head of School, shows at the first attempt the greatest overall proficiency in the second-year Organic Chemistry units of the full-time course (or its part-time equivalent). If no student is considered suitable for the award in a given year, no prize will be awarded.

Charles O. Schloman Memorial Prize (Physical Chemistry)
Awarded annually to a full-time or part-time student undertaking the Bachelor of Applied Science (Applied Chemistry) or the Chemistry major of the multidisciplinary Bachelor of Applied Science who, in the opinion of the Head of School, shows at the first attempt the greatest proficiency in the second-year Physical Chemistry units of the full-time course (or its part-time equivalent). If no student is considered suitable for the award in a given year, no prize will be awarded.
School of Mathematics Staff Prizes
Awarded to the students enrolled in the Bachelor of Applied Science in Mathematics who, in the opinion of the Head of the School of Mathematics, obtains the best results in the mathematics component of each year of the full-time program or its equivalent or is in the Honours year.

The Then William and Jane Brophy Prize
Awarded to the student in the Anaesthetic Technician strand of the Associate Diploma in Clinical Techniques who achieves the highest results in the clinical practice units and is judged to be of sufficiently outstanding merit.

Toshiba and Australian Institute of Radiography Ultrasound Prize
Awarded to the student who achieves the best academic record in the first year of the Master of Applied Science – Medical Ultrasound major.

Velseis Geophysics Prize
Awarded to the student with the highest aggregate marks in the geophysics units of the Bachelor of Applied Science (Geology).

Byron Watkins Prize
Sponsored by the Industrial and Applied Chemistry Past Students’ Association in honour of Byron Watkins, foundation Chief Instructor of the Chemistry Department of the former Central Technical College, and awarded annually to the graduand in the Chemistry major of the Associate Diploma in Applied Science who shows the highest level of achievement during the course.

Winthrop and Australian Institute of Radiography Travelling Fellowship
Awarded to the graduand of the Bachelor of Applied Science (Medical Imaging Technology) or (Radiotherapy Technology) course who achieves the best academic record over the three-year course.
STUDENT GUILD

The Guild is governed by the Guild Council which consists of the Executive (President, General Secretary, Education Director, Women’s Services Director, Welfare Services Director, Recreation Director, and five Campus Directors), campus representatives, and specialist representatives (for part-time and external students, Aboriginal and Torres Strait Islander students, overseas students and postgraduate students).

Members of the Guild Council are elected at the annual general election and all students are eligible to stand for positions at the election. Students will also be able to nominate and vote for campus coordinator positions to help organise activities and services on campuses.

The QUT Student Guild is owned and operated by and for students.

The Guild sends representatives to express students’ views to many University committees, including the University Academic Board.

The QUT Student Guild is a service organisation operated for the benefit of the student body. The Guild exists to make a student’s time at University easier and more enjoyable. QUT staff and members of the public are also encouraged to join the Guild as associate members.

Services Department

...developing and delivering essential services which enhance the quality of the QUT student university lifestyle.

Academic Appeals: Advice, information and support on rules and procedures for handling academic complaints, disputes and grievances.

Accident Insurance: Accidents can be a hassle, but the expenses involved don’t have to be. The Guild has all QUT students (full-time, part-time and external) covered by an accident insurance policy. On campus, off campus, anywhere in the world!!


Employment: Looking for work to help support your studies and lifestyle? Up-to-date database listing with jobs suitable for students, from permanent part-time to on-call casual. Job skills information and support.

Clubs and Societies: Financial and organisational assistance to affiliated groups – educational, social, cultural, religious, political, sporting, or recreational.

Information: Lost? Questions? Looking for a specific service or information resource? Access the Services Database, Self-help Resource Centre, or staff at the Help Desk.

Legal: Self-help resources, advice on tenancy laws, referral to community legal services.

Student Finance: Money hassles? Austudy, HECS, loans and tax information, support and advice. Assistance with problems. Representation and advocacy appeals.

Women’s Services: The Student Guild employs a full time Women’s Officer who works with the Women’s Director and the campus Women’s Coordinators to serve the needs and interests of women students at QUT.

The Women’s Department has many functions including:

☐ representing the needs and concerns of women students on Guild and University committees;
providing information and referral on issues pertaining to women students such as
sexual harassment, sexual violence, discrimination on campus, sexist language,
unplanned pregnancy, women’s health, women’s housing and equity issues;
organising campaigns around issues such as security, childcare, domestic violence,
women and access to education;
organising activities such as Blue Stocking Week, self-defence courses, Reclaim the
Night March;
producing *Philosophia* (women’s edition of *Utopia*) and a monthly newsletter.

In addition, the Women’s Department maintains a Women’s Space on each campus and
the Women’s Resource Library which has over 500 titles at present.

**Where Do I Find the Services Department?**

In person at your Union Help Desk

- Gardens Point – Y Block
- Kelvin Grove – C Block
- Carseldine – C Block

or by phoning the Services Department on (07) 3864 5508.

**Student Resource Centres or Help Desks**

The Guild operates Student Resource Centres on all campuses – Carseldine, Gardens Point
and Kelvin Grove – providing access to a wide variety of services, facilities, activities,
equipment, and information.

Equipment available for use by students at most centres includes: photocopiers, typewriters,
binding machines.

Other services provided through most of these offices are:

- Queensland Teachers Credit Union Agencies
- stamp sales, phone cards, photo developing, laminating and the sale of cassette tapes
  and various services’ T-shirts and sweatshirts
- employment and accommodation folders are on display and updated daily.

For more information about any of the Guild’s services or facilities, contact the Resource
Centre on your campus:

- Gardens Point phone (07) 3864 1680
- Kelvin Grove phone (07) 3864 3704
- Carseldine phone (07) 3864 4714.

**Education Research**

**Research into Student Issues:** Staff develop background briefings on issues in higher
education and conduct research into student experiences at QUT. In 1995 briefings were
prepared for the campaign against upfront fees and the Department conducted a major
survey of student perceptions of QUT library services.

**Best Lecturer Award:** The Guild promotes focus on quality teaching through conducting
a competition to identify QUT’s Best Lecturer.
Student Representative Support: The Guild organises student representatives for all QUT academic boards and committees requiring student input as well as for academic review committees.

Sport, Recreation and Activities

Games rooms: All campuses have games rooms containing facilities ranging from pinball machines and darts equipment to table tennis and pool tables.

Health and Fitness Centres/ Gymnasiums: The Guild operates health and fitness centres at Kelvin Grove campus and Gardens Point campus offering assessments, weights, aerobics, squash courts, and sports medicine clinics. Areas are available for other recreation activities. Phone: (07) 3864 3710 (Kelvin Grove), 3864 1685 (Gardens Point).

Physiotherapy Centres: The Guild contracts with a physiotherapy clinic to provide a physiotherapy service at Kelvin Grove campus and Gardens Point campus. Fees are reasonable with student plan accident insurance covering university-related injuries. Phone: (07) 3864 3711 (Kelvin Grove), 3864 1687 (Gardens Point).

Recreation Courses: A range of recreation courses is offered by the Guild. These include exercise courses, ski trips, foreign language classes, martial arts, massage, health and relaxation, golf, self-defence, abseiling, scuba diving, parachuting and special trips, such as the Birdsville Races. A recreation handbook is available during Orientation Week, at Sports and Recreation Centres or the Student Information Centre on the Carseldine campus.

Recreation Equipment: A limited equipment pool is available for use by students and can be obtained from the Guild office or Gymnasium.

Social and Cultural Activities: A variety of social and cultural events and activities are organised throughout the year. These include balls, cabarets, bands, barbecues, films, theatre events and theme weeks. They may be run on each campus or as cross-campus activities. Put the QUT Annual Ball in your diary now - last Friday of exams in November.

Sporting Competitions: The Guild organises sporting competitions at all levels - lunchtime competition and recreational games, QUT inter-campus competition, regional, state and national inter-university championships. Contact the Fitness Centres for more information.

Sports Centre: The QUT Sports Centre is located at Gardens Point campus and is open seven days a week. It contains a 25 metre indoor heated swimming pool, two squash courts, a sundeck and kiosk. Activities include rebound volleyball, table tennis, aqua aerobics, training sessions, learn-to-swim classes and general fitness and relaxation swimming. Phone: (07) 3864 1688.

Weights Rooms: Carseldine campus has a weight training room available for use by students. Contact a Student Information Centre for further information.

For more information about sport, recreation and activities contact the campus Recreation Officers:

Gardens Point (07) 3864 1685
Kelvin Grove (07) 3864 3710
Carseldine (07) 3864 4716

Media and Publications

Publications: The Guild produces a range of free publications throughout the year, including a wall planner, newsletters, clubs and societies handbook, the Annual Report and various brochures on services and activities.
Student Newspaper: The Guild regularly publishes a free community newspaper called *Utopia* to which students can contribute. It provides general information and also acts as a forum for a wide range of topics of student interest. Editors of the paper are elected each year and all students are eligible to stand for election. Phone: (07) 3864 4012.

**International Students Department**

**Assistance**

- Assists all international students, undergraduate and postgraduate, to appeal against exclusions and other academic matters.
- Assists the fight against discrimination of any kind within the University environment.
- Assists other international student clubs associated with Student Guild to organise social events.

**Cultural Awareness**

The Department’s objective is to promote cultural awareness at QUT among students and staff. Therefore, from time to time the Department holds multicultural events like market days with the help of international student clubs and other organisations. For more information contact (07) 3864 5531.

**Postgraduate Students**

In recent years the Student Guild has initiated a number of services for postgraduate students. These include the establishment of the Postgraduate Students Association and the publication of the postgraduate handbook. This year the Guild has a firm commitment to continuing this representation and working for postgraduate students.

For further information please contact the Postgraduate Students Association through Education Services. Phone (07) 3864 5530.

**Other Services**

**Campus Shops:** The Campus Shop at Gardens Point campus sells a large range of calculators, QUT memorabilia, sportswear, shoes, chemist lines, cigarettes and other goods, and provides photo developing and dry cleaning. There are credit card and EFTPOS facilities plus three-month lay-by with minimum deposit. The Kelvin Grove shop sells sportswear, shoes, chemist lines and cigarettes. It also carries newsagency items such as magazines, newspapers and cards. Phone: (07) 3864 1681.

**Campus Club:** The Student Guild operates a club at the Gardens Point campus. The club is an excellent venue to relax, kick back and unwind. It has a bar, pool tables, and an outdoor eatery with a variety of burgers, salads, made to order sandwiches and many other delicious menu items. With the daily specials, you need never spend over $3.00 for lunch every day. The club also hosts bands throughout the year and is available for balls and other functions at very reasonable rates.

**Degrees Cafe:** Degrees is a licensed cafe run by the Student Guild at Gardens Point campus, Level 3, Y Block. Degrees offers students and staff the best coffee on campus – from cappuccino to latte, flat white and espresso. Also on offer at reasonable prices are delectable pastries, cakes and fine foods such as lasagne, quiche, filos, foccacia and bagels. The cafe is open Monday to Thursday 10am to 6pm and Friday 10am to 3pm. Phone (07) 3864 1236.
Graduation Gown Hire and Sale: The Guild hires gowns, hoods and mortarboards for graduation ceremonies and photographs.

Hire fees
- gowns $17.00
- hoods $8.00
- mortarboards $5.00

Academic regalia is also available for sale. Phone: (07) 3274 1473.

Student Lounges: Student Lounge facilities are provided by the Guild at Kelvin Grove, Kedron Park and Carseldine campuses. These provide an area to relax or socialise. Drink vending machines are available in or near the lounges.

Child Care Centres: The Guild operates a child care centre at Gardens Point campus that caters for 25 children per day. Phone (07) 3864 1690. Another 56-place child care centre operates at Carseldine campus. Phone (07) 3864 4800. Both centres operate from Monday to Friday. Hours of operation are determined by student needs. Fees are reasonable and government subsidies are available at both centres. A new child care centre will open at Kelvin Grove campus in mid-1996 and further information regarding its services can be obtained by phoning (07) 3864 1666. Further information about child care services is available from the President. Phone: (07) 3864 1665.
ART COLLECTION

Queensland University of Technology houses a major collection of almost 1200 Australian and international works of art, comprising paintings, sculptures, decorative arts and works on paper. These holdings represent one of the largest public art collections in Queensland.

Established in 1945, the collection embraces both historical and contemporary works, spanning a period of over 140 years. The greatest strengths lie in the extensive holdings of Queensland art from the 1940s onwards and the outstanding collection of contemporary Australian art post-1970, chiefly paintings, prints and ceramics. The small but significant group of works by Australian artists (Elioth Gruner, Frank Hinder, Margaret Preston, Grace Cossington Smith and so on) working predominantly in the first half of the twentieth century forms an interesting complement to contemporary holdings.

A number of important contemporary Australian artists are represented in the collection by major examples of their work. They include Ian Fairweather, Rosalie Gascoigne, Richard Larter, Keith Looby, John Olsen and Imants Tillers. The collection also contains substantial holdings by several eminent individual practitioners such as Alun Leach-Jones, Carl McConnell, Gwyn Hanssen Pigott and William Robinson.

The rapidly expanding collection of Australian prints comprises works by artists who have been actively involved in the graphic arts over the past two decades including George Baldessin, Hertha Kluge-Pott, Bea Maddock, Mike Parr, Sally Robinson and Fred Williams. These holdings have been recently consolidated through the acquisition of a large body of prints by Aboriginal and Torres Strait Islander artists, as well as by the purchase of works incorporating new technology such as faxes, photocopies and laser prints.

Contemporary Australian ceramics have been acquired consistently since the early 1970s. Highlights include major sculptural pieces by Olive Bishop, Margaret Dodd and Lorraine Jenyns, and important functional wares by Stephen Benwell, Greg Daly, Milton Moon, Jenny Orchard and Sandra Taylor. Recent acquisitions include works by a younger generation of ceramic artists such as Jo Crawford, Merran Esson, Debra Halpern, Jerry Wedd and Jo Williams.

Other new acquisitions reflect the high priority and commitment given by QUT to the work of local emerging practitioners, particularly those who have graduated from the University’s Academy of the Arts and begun to establish themselves as professional artists. The recent purchase of representative works by Stephen Brash, Don Heron, Stephen Nothling, Kate Ryan, Ellen Thompson and Anne Wallace exemplifies the significance and depth of this commitment.

In addition to its holdings of Australian art, QUT possesses a distinguished group of twentieth century American and European works by artists of the calibre of Georges Braque, Alexander Calder, Mary Cassatt, Henry Moore, William Scott, Victor Vasarely and Paul Wunderlich, as well as some outstanding nineteenth century Japanese woodblock prints.

The collection is displayed in various designated spaces at QUT’s four Brisbane campuses. Policy and procedures relating to its development are determined by the Art Collection Committee, comprising senior representatives of the University and external members.

The collection is administered by the University Curator, Stephen Rainbird, and Assistant Curator, Susi Muddiman. For further information telephone (07) 3864 3240.
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Student Rules
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STUDENT RULES, POLICIES AND PROCEDURES

The following rules are based on those existing prior to 1991 at the Queensland University of Technology and the Brisbane College of Advanced Education. These rules have been formulated to provide the least disadvantage to continuing students. If a student considers he or she has been disadvantaged by a change in the rules, the student should make the case in writing to the Registrar.

In these rules, reference to the Registrar includes reference to any officer of the University authorised by the Registrar to carry into effect any or all of the powers, duties and responsibilities included in these rules.

For information on the University's admission rules and procedures please refer to the publication Admission Procedures 1997 which is available from QUT's Admissions Section.

The University’s Manual of Policy and Procedures (MOPP) contains detailed policy/procedural statements on such matters as courses and awards, including awards with Honours, awards with distinction and the credit point system; international student exchange programs; assessment of students, including objectives and functions of assessment, organisation of examinations and assessment of results; awards, scholarships and prizes; theses, dissertations and project reports; graduation; confidentiality of student records; students’ obligations and expectations, including student consultation, feedback on progressive assessment and results; student discipline; and student grievances.

1. Enrolment

1.1 Failure to enrol following admission

If a commencing student fails to enrol for the semester by the date specified in the University’s letter of offer, the enrolment lapses and the offer of admission is withdrawn.

1.2 Enrolment to conform with offer

Commencing students are required to enrol as specified in the University's letter of offer as regards to course and, where applicable, major, attendance mode or campus.

1.3 Enrolment (commencing students)

FORM: Enrolment Form for Commencing Students.
SOURCE: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.
SUBMIT TO: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.

A commencing student is enrolled on completion of all of the following:

☐ application for admission
☐ acceptance of the offer of a quota place in terms of the conditions prescribed
☐ submission of a completed enrolment form and its acceptance by the University
☐ payment of prescribed fees (unless the Registrar has granted an extension of time for such payment and has accepted the enrolment subject to payment at a later prescribed date)
☐ submission of a completed HECS payment options form, and
1.4 Re-enrolment (continuing students)

A continuing student is required to lodge an enrolment form each calendar year. A continuing student is enrolled on completion of the following:

- submission of a completed enrolment form and its acceptance by the University
- payment of prescribed fees (unless the Registrar has granted an extension of time for such payment and has accepted the enrolment subject to payment at a later prescribed date), and
- completion of any other required procedures, provided that the student is not subject to exclusion, termination of enrolment or has been refused the right to re-enrol under Rule 2.

Students are required to re-enrol by the published closing date. An enrolment form lodged after the closing date may be accepted at the discretion of the Registrar on payment of a late fee. Students who fail to re-enrol will be subject to cancellation of enrolment.

1.5 Personal information

Students are obliged to provide personal information, including their full name, for record keeping purposes and for statistical purposes as required by the Commonwealth government.

Students who propose to change their name from that recorded upon admission to the University should submit their request in writing together with appropriate supporting documentation, such as a birth certificate or marriage certificate.

Students should note that the name reported for graduation purposes shall be the one recorded by the University at the time of the official release of results for the last semester of enrolment.

1.6 Mailing address

Students are required to provide a reliable mailing address for correspondence with the University and must promptly notify the University of any change of address. Failure to receive a notice because of change of address is not a sufficient excuse for missing a deadline or an obligation.

The University is also required by the Commonwealth government to record for statistical purposes each student’s ‘Permanent Home Residence’. This address cannot be a PO Box, a Mail Service, or care of another person or company. QUT will not normally send mail to a student’s ‘Permanent Home Residence’.

1.7 Confirmation of enrolment

Each semester, the University provides students with a confirmation form outlining their current enrolment program. It is the student’s responsibility to inform the University of any discrepancy in the form in accordance with the instructions given.
Failure to correct an inaccurate record may have serious financial, administrative and academic consequences.

1.8 Nomination of enrolment program
1.8.1 Maximum and minimum semester loads

Except with the approval of the Dean of Faculty, a full-time student shall not enrol for a program which exceeds the standard credit points for a full-time semester in the course, or the number of credit points allocated to the semester of the course from which the majority of units has been selected, whichever is the greater.

Except with the approval of the Dean of Faculty, a part-time student shall enrol in a program with credit points totalling at least 35 per cent of the standard credit points for the full-time course.

1.8.2 Prerequisites, corequisites and incompatible units of study

A prerequisite unit is one which must be passed before the student proceeds to a further unit which has the prerequisite so specified. A corequisite is one which, if not previously passed, must be studied concurrently with another unit with which it is a corequisite.

A Head of School may permit a student to undertake a unit without the student having passed the specified prerequisites if the Head of School is satisfied that the student has the appropriate background knowledge necessary for the unit.

Enrolment in a unit of study is not permitted if a student has successfully completed any unit listed as ‘incompatible with’ the proposed unit. (See unit synopsis.)

1.8.3 Right to amend enrolment programs

A Course Coordinator may amend a student’s enrolment program for any of the following reasons:

- credit points exceeding the maximum allowed
- credit points less than the minimum allowed
- timetable incompatibility
- non-compliance with course rules.

1.9 Change to enrolment program

Students are responsible for advising the Registrar of changes to enrolment details. Each semester the University provides students with an Enrolment Statement - One Free Change Form outlining their current program. Students may return this form by the relevant due date to advise of a change to their enrolment.

1.9.1 Addition and substitution of units

FORM: Enrolment Statement (Form E)
SOURCE: Enrolments Office, Kelvin Grove campus
Campus Enquiry Counters
SUBMIT TO: Enrolments Office, Kelvin Grove campus
Campus Enquiry Counters

Each semester students may request one free change to add or substitute units up to a published date at the end of the second week. A request for addition or substitution submitted on other than the completed Enrolment Statement will be processed only upon payment of a fee. Students may request a waiver of the fee if circumstances beyond their control require a change to enrolment. The Enrolments Officer will determine all requests for waiver of the fee.

Requests received after the published date must bear the written support of the Unit Coordinator and proof of payment of a late fee.
Requests are only approved if all of the following conditions are met:

- the Unit Coordinator has confirmed that the student may enrol in the unit after the published date
- the student has demonstrated the existence of exceptional circumstances as determined by the Registrar or relevant Course Coordinator
- the student has provided proof of payment of the late fee.

Requests submitted without written support of the Unit Coordinator and proof of payment of the late fee will be returned to the student unprocessed.

1.9.2 Cancellation of units

FORM: Enrolment Statement (Form E) or Change to Enrolment Form (Form C)

SOURCE: Enrolments Office, Kelvin Grove campus
          Campus Enquiry Counters

SUBMIT TO: Enrolments Office, Kelvin Grove campus
           Campus Enquiry Counters

Students may cancel their enrolment in units except where the cancellation results in an enrolment program which has fewer credit points than the minimum allowable, or represents a departure from a program prescribed for a student on probation. Cancellation of units where no addition of units occurs will not incur an administrative charge.

For single and multi-semester length units undertaken in the first or second semesters, the following results are recorded:

(i) **Cancellation in the first two weeks of the semester:** The units are deleted from the student’s record.

(ii) **Cancellation from the third week of the semester to March 31 in the case of first semester, or August 31 in the case of second semester:** A status of ‘Withdrawn’ is recorded against the units concerned. A ‘Withdrawn’ unit is not included in the calculation of the student’s GPA.

(iii) **Cancellation after March 31 or August 31 and before the end of the semester:** A result of ‘Withdrawn - Failure’ is awarded unless the examiner awards a passing grade on the basis of the assessment undertaken by the student prior to cancellation.

The Registrar, on advice from the Faculty, may waive the ‘fail’ result arising from late cancellation when satisfied that the cancellation was necessitated by medical, compassionate or other exceptional circumstances.

In the case of multi-semester units, provisions (i) and (ii) above apply only to the initial semester of the unit. For cancellation at any time in the second or subsequent semester of a multi-semester unit a result of ‘Withdrawn - Failure’ is awarded.

For units undertaken in the Summer School period, the following results are recorded:

(i) **Cancellation in the first two weeks of the Summer School:** The units are deleted from the student’s record.

(ii) **Cancellation after the second week of the Summer School:** A result of ‘Withdrawn - Failure’ is awarded unless the cancellation was caused by medical, compassionate or exceptional circumstances.

For units undertaken in the Intensive Study Mode, the following results are recorded:

(i) **Cancellation prior to the commencement of teaching:** The units are deleted from the student’s record.
(ii) **Cancellation in the first two weeks of the Intensive Study Mode**: A result of 'Withdrawn' is recorded against the units concerned. A ‘Withdrawn’ unit is not included in the calculation of the student’s GPA.

(iii) **Cancellation after the second week of the Intensive Study Mode**: A result of ‘Withdrawn – Failure’ is awarded unless the cancellation was necessitated by medical, compassionate or exceptional circumstances.

### 1.10 Change of course

Offers of admission to commencing students specify the particular course and, where applicable, major for which the offer is made. Students are required to enrol as specified (see Rule 1.3) and complete at least the first semester accordingly.

#### 1.10.1 Transfer to another course offered by the same Faculty

**FORM:**
- Intra-Faculty Changes Form (Form I).

**SOURCE:**
- QUT Admissions Office, Kelvin Grove campus.
- Campus Enquiry Counters.

**SUBMIT TO:**
- QUT Admissions Office, Kelvin Grove campus
- Campus Enquiry Counters.

Students who wish to transfer to another course offered by the same Faculty may apply to do so using the Intra-Faculty Changes Form (Form I). Applications will be determined by Faculties and will be subject to the following prescriptions:

(i) If the application is made after completion of the first semester but before completion of the first year, the student must have met the minimum entry level which applied for the proposed new course or major in the most recent admission period.

(ii) If the application is made after completion of the first year, the student’s eligibility will be assessed according to criteria established by Deans of Faculties and published before the close of applications each year.

#### 1.10.2 Transfer to a course offered by a different Faculty

Students who wish to transfer to a course offered by a different Faculty should apply as follows:

- □ in the case of an undergraduate course, to QTAC, using Form B
- □ in the case of a postgraduate course, to the QUT Admissions Office, using Form P.

### 1.11 Change of major

**FORM:**
- Intra-Faculty Changes Form (Form I)

**SOURCE:**
- Enrolments Office, Kelvin Grove campus
- Campus Enquiry Counters.

**SUBMIT TO:**
- Enrolments Office, Kelvin Grove campus
- Campus Enquiry Counters.

Students who wish to transfer to another major within the same course may apply to do so using the Intra-Faculty Changes Form (Form I). Applications will be determined by Faculties and will be subject to the following prescriptions:

(i) If the application is made after completion of the first semester but before completion of the first year, the student must have met the minimum entry level which applied for the proposed new major in the most recent admission period.

(ii) If the application is made after completion of the first year, the student’s eligibility will be assessed according to criteria established by Deans of Faculties and published before the close of applications each year.
1.12 Change of attendance mode

FORM: Enrolment Statement (Form E) or Change to Enrolment Form (Form C).
SOURCE: Enrolments Office, Kelvin Grove campus
Campus Enquiry Counters.
SUBMIT TO: Enrolments Office, Kelvin Grove campus
Campus Enquiry Counters.

1.12.1 Definitions of attendance/study modes

□ Full-time
Full-time students are students who are enrolled for the semester in 75 per cent or more of the standard credit points for a full-time semester of the course.

□ Part-time
Part-time students are students who are enrolled for the semester in less than 75 per cent of the standard credit points for a full-time semester of the course.

□ Internal
Internal students are those who undertake all units of study for which they are enrolled through attendance at the University on a regular basis. Students who undertake a higher degree course for which regular attendance is not required, but attend the University on an agreed schedule for the purpose of supervision and/or instruction are also classified as internal students.

□ Multi-modal
Multi-modal students are those who undertake at least one unit of study on an internal mode of attendance and at least one unit of study on an external mode of attendance.

□ External
Students are classified as external when all units of study for which they are enrolled involve special arrangements whereby teaching materials, assignments, etc. are delivered to the student, and any associated attendance at the University is of an incidental, irregular, special or voluntary nature.

1.12.2 Procedure

Offers of admission to commencing students will specify the attendance mode for which the offer is made. Students are required to enrol as specified (see Rule 1.3) and complete at least the first semester accordingly.

Students who wish to change to another attendance mode may apply to do so using the Enrolment Statement (Form E) or Change to Enrolment Form (Form C). Applications will be determined by Faculties.

1.13 Transfer to another campus

Where a course is offered on more than one campus, students will be allocated to one of the campuses and will be required to attend that campus for at least the first semester.

Students who wish to change to another campus may apply to do so using the Enrolment Statement (Form E). Applications will be determined by Faculties.

1.14 Exceptions

In special circumstances, Deans of Faculties may approve exceptions to policies set out above in 1.10–1.13 as under:

□ the requirement that commencing students enrol and complete at least the first semester of their course as specified in their offer of admission; that is, no change to course, major, attendance mode or campus before the end of the first semester of the course
the requirement in 1.10.1(i) and 1.11(i) that students who wish to transfer to another course or major within the same Faculty must have met the minimum entry level which applied for the proposed new course or major in the most recent admission round.

1.15 Concurrent enrolment

Concurrent enrolment in two or more QUT courses is permitted except where the total study load in a semester exceeds 48 credit points, in which case the approval of the Course Coordinator of each course is required.

1.16 Leave of absence

FORM: Change to Enrolment Form (Form C).
SOURCE: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.
SUBMIT TO: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.

Students who find that their circumstances necessitate a period of absence from their course may request leave of absence.

Normally leave of absence will not be granted in the first semester of the first year of study except where the absence is necessitated by medical, compassionate or other exceptional circumstances as determined by the Registrar.

Following the first semester of the first year of study for students in undergraduate courses, except where specified in the course rules, approval of leave of absence for periods up to one year is automatic. For periods in excess of one year or for students in postgraduate courses, leave of absence is subject to approval by the relevant Dean of Faculty.

In cases where leave of absence is granted after 31 March for first semester or 31 August for second semester, ‘Withdrawn – Failure’ results will be awarded except where the Registrar, on advice from the Faculty, is satisfied that the period of leave was necessitated by medical, compassionate or other exceptional circumstances.

At the end of the nominated period, students are sent a form with which to re-enrol. If they do not re-enrol, their leave of absence is terminated and their enrolment status is altered to ‘Cancelled’.

1.17 Cancellation of enrolment

FORM: Change to Enrolment Form (Form C).
SOURCE: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.
SUBMIT TO: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.

Students may cancel their enrolment in a course at any time but should take into account the provisions of Rule 1.9.

1.18 Re-admission following a period of non-attendance or exclusion

FORM: Re-admission Form (Form R) or Application for Admission as an International Student (Form F).
SOURCE: QUT Admissions Office, Kelvin Grove campus or QUT Office of International Students, Kelvin Grove campus; Campus Enquiry Counters.
SUBMIT TO: QUT Admissions Office, Kelvin Grove campus or QUT Office of International Students, Kelvin Grove campus Campus Enquiry Counters.
Students who wish to re-enter a course after a period of absence and who are not returning from leave of absence may apply for re-admission.

Re-admission applicants who have not completed all first and second semester units listed in the course requirements for the full-time mode of an undergraduate course must satisfy the entry requirements and cut-off levels applicable for the relevant admissions period.

Students who have been excluded from a course as a result of unsatisfactory academic performance will not be considered for re-admission until at least two semesters have elapsed since exclusion. Applications require the approval of the relevant Faculty Academic Board.

Application is made directly to the University and must be lodged by the published due date of the semester in which the student wishes to resume. The student must submit a written statement in support of the application, which should address such factors as changed circumstances, academic and/or vocational performance since exclusion, maturity and motivation.

A student who is permitted to re-enrol following a period of absence will be required to satisfy the course requirements which apply at the time of resumption. Depending on the length of the absence and on changes to course content and structure during the intervening period, the student will not necessarily retain credit for all units completed prior to the absence. The Course Coordinator may require a student to repeat units which have been passed previously or to undertake additional units in order to satisfy the current course requirements.

1.19 Time limits for completion of courses

Students are expected to progress with minimum interruption towards completion of their course.

Time limits have been established for each type of course and are measured in calendar years from the first day of the first semester in which the student was enrolled. The time limits, inclusive of periods of exclusion, leave of absence or other periods of interruption, are as follows:

- Doctoral and Masters degree courses by research as per course requirements
- Masters degree courses equivalent to two years of full-time study 6 years
- Graduate diplomas, Honours degrees, degrees and Masters degrees equivalent to one year of full-time study 4 years
- Degrees, graduate diplomas and Masters degrees equivalent to one and a half years of full-time study 5 years
- Bachelor degrees and diploma courses 10 years
- Combined degree courses 11 years
- Associate degree and associate diploma courses 7 years
- Graduate and advanced certificate courses 2 years

Students who exceed these limits may be asked to show cause why they should not be excluded from further enrolment in the course.

Students excluded because of failure to complete a course within time limits have the right of appeal. (See Rule 8, Student appeals.)

2. Sanctions on students who fail to meet obligations

The Registrar may impose sanctions on a student who has failed to meet one or more of the following obligations:
□ payment of prescribed fees
□ payment of late fees
□ payment of fines
□ payment of a debt to the University
□ return of Library materials/Faculty equipment or materials
□ confroming with instructions or essential procedures.

One or more of the following sanctions may be applied:
(i) withholding of results
(ii) withholding of transcript of academic record
(iii) withholding of award certificate
(iv) loss of right to re-enrol.

In lieu of (i), (ii) and (iii) above, a statement that the student has completed course requirements may be provided for purposes of seeking employment.

Sanction (iv) shall not apply to a case of failure to meet an obligation to repay a debt to the University.

The student will be informed in writing of the application of sanctions. (Refer to Section 6, Review of grades and academic rulings, for provisions for appeal against the imposition of sanctions.)

The sanctions will be lifted once the student has discharged the obligation which led to their application.

3. Non-award studies

3.1 Definition
Non-award students are those who have approval to undertake certain units from an award course without enrolling in the course itself.

Non-award students receive normal instruction, assessment and examination results in such units but are not admitted to undertake a complete award course.

3.2 Categories
There are two categories of non-award students:
□ cross-institution students who undertake QUT units for credit towards an award course at an Australian Commonwealth-funded institution
□ visiting students who undertake units from award courses for purposes of professional or personal development, or in order to meet course entry requirements.

3.3 Application procedure
Non-award students are required to make application for each semester in which they wish to study. Applicants are responsible for obtaining information on unit availability, suitability of their background and timetables.

An application for enrolment as a non-award student may be rejected if the applicant does not have an educational background appropriate to the unit/s applied for, or if there are insufficient places remaining in the class. An application for enrolment as a non-award student requires the approval of the relevant Dean of Faculty.
3.3.1 Cross-institution student

FORM: Cross-institution Admission Form (Form X).
SOURCE: QUT Admissions Office Kelvin Grove campus; Campus Enquiry Counters.
SUBMIT TO: QUT Admissions Office Kelvin Grove campus; Campus Enquiry Counters.

An application for admission as a cross-institution student must be accompanied by documentary evidence from a recognised institution of higher education that the proposed unit/s are accepted for credit in a course offered by the institution.

3.3.2 Visiting student

FORM: Visiting Student Application Form (Form V).
SOURCE: QUT Admissions Office Kelvin Grove campus; Campus Enquiry Counters.
SUBMIT TO: QUT Admissions Office Kelvin Grove campus; Campus Enquiry Counters.

3.4 Fees for non-award studies

Cross-institution students are required as a condition of their enrolment to make payments under the Higher Education Contribution Scheme, and to pay fees for membership of the QUT Student Guild.

Visiting students are required to pay tuition and other fees as advised by the University. Non-payment of fees will lead to cancellation of enrolment.

3.5 Rules relating to non-award studies

Non-award students are subject to the University’s student rules generally, with the exception of those relating to unsatisfactory academic performance (Section 7).

Award course students may use previous visiting student studies as a basis for applying for credit under the terms and conditions of the existing policy for transfer of credit (Section 4). The maximum credit allowable will be determined by the rules applying to credit transfer for the specific award course for which the credit is sought.

Non-award students who are not otherwise qualified to gain entry into an award course but as visiting students have completed successfully units drawn from that award course will be granted entry into the award course subject to the availability of places within any quota that may apply.

Where a student is excluded from a course, the student is not permitted to enrol as a non-award student in any unit of that course except at the discretion of the Dean of Faculty responsible for the course.

4. Transfer of credit

FORM: Application for Credit.
SOURCE: Credit Office, Kelvin Grove campus; Campus Enquiry Counters.
SUBMIT TO: Credit Office, Kelvin Grove campus, Campus Enquiry Counters.

4.1 Policy

Credit towards a QUT award may be given for assessable learning outcomes achieved through formal and/or informal learning, work-related experience and/or life experience,
to an extent that is consistent with maximising student progression while maintaining established academic standards.

It is considered to be in the interests of students to facilitate their movement between institutions and between courses of various types and levels.

The University has negotiated formal arrangements with a number of institutions concerning course articulation and the granting of agreed credit (Appendix 1); where no such arrangement exists, applications will be considered on their individual merit and in the spirit of this policy. The Course Coordinator, in consultation with relevant academic staff, is responsible for approving applications for credit which are not covered by formal arrangement.

Applicants may seek credit for continuing education programs. Such credit may be granted where learning outcomes relevant to the award course can be demonstrated, or where Faculties have arrangements for the automatic granting of credit for designated continuing education programs.

In making a determination on applications for credit, consideration will be given to the following:

4.1.1 Total credit available

The maximum credit which may be granted depends on the length of the University award course within which credit is sought. For courses the duration of which is two years of equivalent full-time study or greater, credit may be granted up to a limit which ensures that the student completes at least the equivalent of one year of full-time study while enrolled in a QUT award course. For courses the duration of which is less than two years of equivalent full-time study, credit may be granted up to a limit which ensures that the student completes at least one half of the total credit points specified for the course while enrolled in a QUT award course.

In practice, credit is approved progressively until:

- account has been taken of all assessed learning outcomes relevant to the course, or
- credit has been awarded up to the credit limit specified above.

Where appropriate, a student may seek to complete an award course of a previously attended institution by enrolling in an agreed program of study at QUT as a cross-institution student. The student’s previous institution must agree in advance to the proposed program of study. It is the student’s responsibility to secure the agreement of the previous institution.

4.1.2 Recency of previous studies

In determining whether credit may be granted, the University must be confident of the currency of the applicant’s knowledge. An applicant cannot obtain credit for studies undertaken ten or more years previous to the date of application unless the applicant makes a special case or is assessed to establish the currency of his/her knowledge. Further, in fields where practice and technology are changing rapidly, credit may not be granted where knowledge has become dated.

4.2 Forms of credit

Three alternatives are available:

4.2.1 Specified exemption

Specified exemption will be approved when prior learning outcomes are assessed as satisfying the objectives and requirements of the course unit or units for which credit is sought.

4.2.2 Unspecified exemption

Where course rules permit, exemption may be given from an unspecified unit on the basis or assessed learning outcomes judged to be equally acceptable within the structure of the course.
4.2.3 Block exemption

Where course rules permit, block exemption of a fixed number of credit points may be given on the basis of assessed learning outcomes judged to be equally acceptable within the structure of the course.

Credit may be granted on a provisional basis, in which case confirmation of the granting credit is dependent on the student’s performance in some specified part of the course.

4.3 Application procedure

4.3.1 Timing of applications

Applicants for entry to a QUT course who also intend to apply for credit should do so immediately they are in possession of all the required documentation on which that credit will be based. Applications for credit may be submitted before an offer of a place in the course has been received, but must be submitted before the stipulated due date for credit applications.

Students already enrolled in a QUT course who become eligible to apply for credit should ensure that their application is submitted before the due date for credit applications in any semester in which the award of credit might affect their enrolment in a particular course unit or units.

Applications for credit received after the due date may not be processed in time for enrolment to be adjusted to reflect the credit granted. Applications received after the census date in any semester cannot be effective for that semester.

4.3.2 Documentation

Applicants are responsible for providing all relevant documentation, for example, an official transcript of results and copies of the outline or syllabus of all completed course units relevant to their application for credit. Before doing so, applicants are encouraged to contact the Course Coordinator to determine which of their previous studies and other learning experiences are likely to be relevant. Undocumented applications for credit are not considered.

4.3.3 Other requirements

Applicants for credit may be required to attend an interview or to undergo such assessment as the Course Coordinator may determine.

4.3.4 Notification

Applicants are notified in writing by the Registrar of the outcome of their application.

4.4 Review of credit application decisions

Applicants for credit who are dissatisfied with the outcome of an application may have the decision reviewed and can expect to be provided with a clear indication of the reasons for the ruling. The review procedure is set out in Section 6.2 Review of Academic Rulings.

5. Assessment

Assessment policy

5.1 Assessment policy

Students will be assessed in accordance with the published assessment policy and practices of the Faculty offering the unit.
5.2 Notification of assessment requirements

A unit outline will be published and a copy made available for each student as soon as possible and no later than the second week of a teaching period. The outline will contain at least the following information:

☐ unit objectives

☐ statements of all assessment items, including due dates

☐ procedures to be used in determining the final grade including, where appropriate, a statement of any item/s for which a pass is required in order to gain an overall pass in the unit

☐ procedures for reviewing the mark for an assessment item

☐ procedures to facilitate feedback on progressive assessment during the course of a semester

☐ a reference to the University’s policy on plagiarism and any specific guidance to the student on the nature of the unit’s assessment items.

No subsequent changes to assessment requirements will be made except by mutual agreement between the lecturer responsible for the unit and the students taking the unit, and then only if approved by the relevant Head of School.

Assessment rules

5.3 Availability for examinations

Internal students must be available to undertake examinations at the relevant QUT campus throughout periods designated for centrally organised examinations and at times specified in unit outlines for School-based examinations. External students will sit examinations at the same time as internal students; however, they undertake them at external examination centres. A student who fails to attend an examination receives no mark for the examination unless he or she is granted a deferred examination.

Examinations may be held between 8.00am and 9.00pm on weekdays, and 8.00am and 6.00pm on Saturdays.

5.4 Timetables

Final timetables for centrally organised examinations will be released to students no later than two weeks prior to their commencement.

5.5 Student identification

Students must bring into the examination room and keep displayed their current Student Identification Card.

5.6 Students to comply with directions

5.6.1 A student shall comply with all directions given by the examination supervisor and all instructions to candidates set out on the examination materials or displayed in the examination room.

5.6.2 A student’s behaviour must not disturb, distract or adversely affect any other student.

5.7 Entering and leaving an examination room

5.7.1 Students who are given permission to enter or leave an examination room shall comply with all conditions on which the permission is given.
5.7.2 Students are not permitted to leave the examination room:
(i) until half the prescribed working time has elapsed
(ii) during the last 15 minutes of working time
unless there are exceptional circumstances such as illness.

5.7.3 Students who arrive late and before half the working time of the examination has elapsed will normally be permitted to take the examination. However, no additional working time will be allowed unless exceptional circumstances warrant.

In the case of central examinations, the decision to grant extra time is made by the Examinations Officer, in consultation where necessary, with the Unit Coordinator.

5.8 Unauthorised material not to be brought into the examination room
Students may bring into an examination room only those materials approved for the unit under examination and indicated as such on the examination paper. All other materials are expressly prohibited unless:
(i) brought into the room with the permission of the examination supervisor, and
(ii) deposited by the student directly upon entering the examination room at a place stipulated by the examination supervisor.

It is inconsequential for this rule that the unauthorised material is not related to the unit under examination.

5.9 Student not to remove papers
A student shall not remove from the examination room any worked scripts or other paper provided for use during the course of the examination (other than the question paper supplied where this is authorised by the examination supervisor) or other material which is the property of the University.

5.10 Student not to communicate with others
During an examination a student shall not communicate by word or otherwise with any other person except the examination supervisor or examiner.

5.11 Cheating
Students are expected to exhibit honesty and ethical behaviour in undertaking assessment requirements of units. Cheating is defined as any behaviour whatsoever by students in relation to any item of assessment which may otherwise defeat the purposes of the assessment.

A student shall not cheat, attempt to cheat, or incite or assist other students to cheat in any assessment item.

5.12 Plagiarism
A student shall not plagiarise in any item of assessment.

Plagiarism is the act of taking and using another person's work as one's own. Where plagiarism occurs in items of assessment contributing to the result in a unit or course, it shall be regarded as, and treated in the same manner as, cheating in an examination. For the purpose of these rules any of the following acts constitute plagiarism unless the work is appropriately acknowledged:

- copying the work of another student
- directly copying any part of another person's work
- summarising the work of another person
- using or developing an idea or thesis derived from another person’s work
- using experimental results obtained by another person
- incitement by a student of another to plagiarise.

### Penalties for breach of assessment rules

#### 5.13 Penalties

5.13.1 If a student breaches Rules 5.6, 5.7, 5.8, 5.9, 5.10, 5.11, or 5.12, the student may be dealt with under the Student Discipline By-law.

5.13.2 A student who breaches any of the rules stated in 5.13.1 above shall be liable, in addition to any other penalty, to incur the following penalties:

(i) the award of a Low Fail result in the unit concerned

(ii) the award of Low Fail results in all units in which the student would have received final results in the same academic semester

(iii) exclusion from the University for a period

(iv) expulsion from the University.

5.13.3 Students accused of a breach of the rules will be given the opportunity to show cause why a penalty should not be applied.

5.13.4 A student excluded because of breach of assessment may appeal to the Academic Appeals Committee. An appeal must state the grounds and reasons for the appeal and must reach the Secretary of the Academic Appeals Committee within 14 days of the date of the letter advising the student of the penalty.

### Deferred examinations and special consideration of factors affecting student’s performance in assessment

**FORM:** Application for Deferred Examination/Special Consideration.

**SOURCE:** Examination Office, Gardens Point campus;
Campus Enquiry Counters.

**SUBMIT TO:** Examination Office, Gardens Point campus;
Campus Enquiry Counters.

#### 5.14 Deferred examinations

Students who through medical or other exceptional circumstances beyond their control are unable to attend an examination at the prescribed time or complete an examination may apply to sit for a deferred examination.

Applications for deferred examinations should include the documentation detailed in Rule 5.16 and should normally be submitted prior to or within three days of the examination date, depending on the circumstances.

Normally, deferred examinations are not granted to candidates who misread examination timetables.

A deferred examination is regarded as a significant concession to a student and, as such, will only be granted when a properly documented and timely case is made by the applicant. Students should not expect to be granted an unlimited number of deferred examinations.

Students will receive written notification of the outcome of their application including, where appropriate, the date, time, campus and format of the deferred examination.
5.15 Special consideration of factors affecting assessment performance

Students who consider that their performance in an assessment item was adversely affected by illness or other exceptional circumstances beyond their control may apply for special consideration.

Applications for special consideration, including the documentation detailed in Rule 5.16, should normally be submitted prior to or within three days of the examination or the submission of the assessment item.

5.16 Documentation required for deferred examination or special consideration

5.16.1 Students applying for a deferred examination or special consideration on medical grounds must submit a medical certificate from a registered medical or dental practitioner stating:

- the date on which the practitioner examined the student
- the nature, severity and duration of the complaint, and
- the practitioner's opinion of the effect of the complaint on the student's ability to sit for or perform satisfactorily in the assessment item.

A statement that a student was 'not fit for duty' or was suffering from a 'medical condition' will not be accepted.

It is preferred that the practitioner provides a statement on surgery letterhead paper or, alternatively, completes the formatted medical certificate printed on the reverse side of the application form.

5.16.2 Students applying for a deferred examination or special consideration on other than medical grounds must submit with the application a statutory declaration stating the disability or exceptional circumstances which:

- prevented or will prevent the student from sitting for the examination in the case of an application for a deferred examination
- affected the student's performance in the assessment item in the case of an application for special consideration.

Students should also supply any corroborative evidence in support of the application.

Religious convictions

5.17 Alternative examination sittings

Students with religious convictions which preclude attendance at examinations in accordance with the official timetable have the right to alternative examination arrangements. Written requests for alternative examination sittings must be submitted to the Examinations Officer within 14 days of the release of the final timetable and include supporting documentation from the religious leader on organisational letterhead.

Grading scale

5.18 Final results

Pass Grades

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>High Distinction</td>
</tr>
<tr>
<td>6</td>
<td>Distinction</td>
</tr>
<tr>
<td>5</td>
<td>Credit</td>
</tr>
<tr>
<td>4</td>
<td>Pass</td>
</tr>
<tr>
<td>3</td>
<td>Low Pass (see Note)</td>
</tr>
</tbody>
</table>
S3  Pass Supplementary; final grade awarded following satisfactory completion of supplementary assessment (see Note), or
S  Satisfactory (where approved for use).

Fail Grades
2  Fail
S2  Fail Supplementary
1  Low Fail
K  Withdrawn – Failure, or
U  Unsatisfactory (where approved for use).

(Note: A grade of 3 counts as a passing grade for the purpose of completing award requirements and fulfilling prerequisite requirements, except where it is stated in course rules that a higher grade is required. The limit on the number of grades of 3 which may be credited towards an award is specified in Appendix 2. Grades of S3 are not regarded as equivalent to grades of 3 for purposes of Appendix 2.)

Other Results
E  Exempt
W  Withdrawn

5.19 Unfinalised results
The following will be recorded when a result is not finalised at the time of release of results:
A  Result Unfinalised – The result will be issued when available.
SA  Supplementary Assessment – Student is to undertake supplementary assessment.
DA  Deferred Assessment – Student is to undertake deferred assessment.
T  Assessment Continues – Studies extending over more than one semester.

5.20 Grade Point Average
The Grade Point Average (GPA) is a simple numerical index which summarises the student’s academic performance in a course in a single semester and over the duration of the student’s enrolment in the course.

The GPA is reported on the Certificate of Results and on the Statement of Academic Record. Two values of the GPA are given: the GPA for the semester and the GPA in the course.

\[ \text{GPA} = \frac{\sum \text{credit points of unit } X \text{ numeric value of grade}}{\sum \text{credit points of unit}} \]

Notes:
☐ The GPA calculation includes all attempts at units which are awarded a numeric grade or the result ‘Withdrawn – Failure’ (which is converted to a 1).
☐ Unfinalised results are not included in the calculation.
☐ Only QUT units are included (not units taken at an external institution).
☐ Only units taken after the introduction of the seven-point grading scale are included in the calculation.

Release of results
5.21 Release of results
Following certification by Deans of Faculties, results will be released at the direction of the Registrar.
5.22 Notification of results
A Certificate of Results will be mailed to each student at the end of each semester and after
the completion of any Summer School studies.
Passing grades and unfinalised results are published in the press.
Noticeboard lists containing all results are placed on University campus noticeboards.
5.22.1 Request for non-publication of results
FORM: Application for Non-publication of Results.
SOURCE: Examination Office, Gardens Point campus; Campus Enquiry Counters.
SUBMIT TO: Examination Office, Gardens Point campus; Campus Enquiry Counters.
Students may request to have their results withheld from public release on campus
noticeboards and in the press. Application must be made no later than 30 May for first
semester, 30 October for second semester and 31 December for Summer School studies.
The request to withhold results from public release will remain in force until revoked in
writing by the student.

Graduation
5.23 Eligibility for graduation
Students are eligible to graduate upon completion of course requirements.
A passing grade must be achieved in all units set out in the course structure, except that in
certain specified units a grade of 4 or better must be obtained to satisfy the course requirements.
In addition, Faculty Academic Boards have set a limit on the number of grades of 3 which
may be credited towards awards. These limits are specified in Appendix 2.
Once a student has completed course requirements, a date of completion and the student’s
graduation name will be recorded. The date of completion will normally be the date of the
release of the final grade to effect graduation.

6. Review of grades and academic rulings
FORMS: Application for Review of Grade,
Application for Review of Academic Ruling.
SOURCE: Examination Office, Gardens Point campus;
Campus Enquiry Counters.
SUBMIT TO: Examination Office, Gardens Point campus;
Campus Enquiry Counters.
6.1 Review of grades
During the course of a semester students should discuss their progress in all coursework
exercises (including examinations which form part of progressive assessment) with relevant
teaching staff, and can expect to be provided with a clear indication of the extent to which
they have or have not achieved the objectives set for each assessment item.
Any student who believes that an error has been made or an injustice done with regard to
a final grade for a unit may request a review of the grade.
Where, after discussion, the student believes that an error persists or that the final grade is
not a fair reflection of his or her work, the student may request a review at the end of
semester following notification of the final grade.
The review process may involve three steps.

**Step 1 – Informal consultation**
Upon notification of the final grade, a student who is dissatisfied with the grade should contact relevant teaching staff (lecturer, Unit Coordinator, Course Coordinator) and seek clarification of the reason for the grade.

**Step 2 – School-level review**
If a student remains dissatisfied after Step 1, or if the student is unable to make contact with relevant teaching staff, an application for a formal review may be submitted. Applications must be made on an Application for Review of Grade Form.

Applications normally must be submitted to the Registrar within 14 days of the release of the results, accompanied by appropriate information and documentation if available, and must state the specific grounds on which the application for review is based.

The Application for Review is forwarded to the Head of School responsible for the unit in dispute, who determines the form of the review. The University minimally requires that any such review consider whether all items of assessment have been marked and whether the aggregate marks were compiled accurately.

The Registrar normally advises students of the outcome within 14 days of receipt of the application.

**Step 3 – Faculty-level review**
A student who is dissatisfied with the outcome of Step 2 may apply to the Registrar within seven days of receipt of such notification to progress to a further stage of review. The student must resubmit the Application for Review Form stating why the previous review was inadequate and may provide additional reasons or evidence for the further review.

The application is forwarded through the chairperson to the Faculty review committee, which is a sub-committee of the Faculty academic board, and which minimally must comprise the Dean (or nominee), a member of academic staff and a student representative appointed by the Faculty academic board. The quorum of the committee is three. The committee determines whether grounds exist for the further review.

The process for Step 3 requires the Faculty involved, through the relevant Head of School, to reconsider the assessment of the item(s) in dispute. All such reconsiderations must be accompanied by a written rationale for the final decision reached, to ensure that due process has been observed and that a record exists of the decision.

Outcomes of such reviews must be endorsed by the Faculty-level review committee. The committee determines whether reviews have been conducted appropriately, monitors the number and type of reviews conducted and reports on its activities to the Faculty academic board.

The Registrar normally advises students of the outcome within 21 days of receipt of the application.

Reviews may lead to no change or to either a less favourable or more favourable outcome for the student.

Reviews under Steps 2 and 3 involve separate fees, which are reimbursed if a higher grade is awarded following the review.

**6.2 Review of academic rulings**
Students who have received advice of a ruling in regard to an academic matter (for example, amount of credit awarded, cancellation of units, amendment of enrolment program, refusal
of application to waive prerequisite), and who wish to be provided with further information on the basis and implications of the ruling, should contact their Faculty office. Faculty administration officers will provide available information in response to such a request, or arrange for the student to have further discussions as deemed appropriate in the circumstances.

If, after having received such further advice, the student believes that an error has been made or that a ruling is unjust, the student is entitled to submit an application for review. Applications must be made on an Application for Review of Academic Ruling Form.

Applications must be submitted to the Registrar within 14 days of mailing of written advice of a ruling. Applications must be accompanied by appropriate information and documentation if available, and must state the specific grounds on which the application for review is based.

Applications are referred to the relevant dean of faculty, who determines the form of the review. A review may lead to no change or to either a less favourable or more favourable outcome for the student. The Registrar advises students of the outcome of reviews.

6.3 Status of students awaiting the outcome of a review

The University will make determinations on reviews as soon as practicable, but will not necessarily resolve any particular case before the close of enrolments for the next semester.

In this event the student remains bound, pending resolution of the case, by the ruling or by the consequences of the grade which are the subject of the review or appeal, except in special circumstances as may be determined by the Registrar.

7. Unsatisfactory academic performance and exclusion

Students are expected to maintain a satisfactory level of performance in their studies at QUT. Performance is reviewed at the end of each semester. Students whose performance is unsatisfactory are placed on probationary enrolment. If performance continues at an unsatisfactory level the student may be excluded. In addition, a single failure in a unit designated as critical to students' progress in the course may result in exclusion.

This policy applies to studies undertaken while enrolled in an award course. Non-award students are required to apply for enrolment each semester, and their applications may be accepted or rejected by the Registrar on the recommendation of the relevant Dean of Faculty.

7.1 Probationary enrolment

A student is placed on probationary enrolment if:
(i) the student fails a unit which has been failed previously, or
(ii) the student has a Grade Point Average of less than 3.0 in the course in which he or she is enrolled.

For the purpose of this rule a unit is uniquely identified by the unit code. Where a unit code has been changed on administrative grounds, the unit will be deemed to be the same unit for the purpose of this rule.

The Registrar notifies students that they have been placed on probationary enrolment and advises them that they should discuss their progress with their Course Coordinator.

7.2 Terms of probationary enrolment

Students on probationary enrolment are required to enrol as the Course Coordinator directs.
Students placed on probationary enrolment at the end of first semester remain on probationary enrolment for the duration of the following semester. Students placed on probationary enrolment at the end of second semester remain on probationary enrolment for the duration of the following academic year.

If a student cancels their enrolment while on probationary enrolment, any subsequent enrolment in that course is a probationary enrolment for the purposes of defining eligibility for exclusion. The periods of probationary enrolment before and after the period of cancelled enrolment are counted as one period of probationary enrolment.

7.3 Exclusion
The Faculty academic board may exclude a student under the following circumstances:

(i) at the end of an academic year, the academic board may exclude a student who has had, or is eligible for, a second or subsequent period of probation during the year

(ii) at the end of a semester, the academic board may exclude a student who has failed to achieve a satisfactory level of performance in a designated unit.

Designated units are indicated in Appendix 3 and include professional experience units, units requiring the development of particular skills and units requiring certain personal qualities. A satisfactory level of performance in a designated unit is a grade of 4 (Pass) or higher, or S – Satisfactory, where appropriate.

A student who is eligible under (i) or (ii) above but who is not excluded by the academic board is placed on probation.

Exclusion normally applies to the course in which the student was enrolled. An academic board may exclude a student from all courses or a specified group of courses offered by the faculty if the student is eligible for exclusion under (i) or (ii) above and has either had at least two periods of probationary enrolment or been excluded previously from another QUT course.

The academic committee, on the recommendation of the academic board, may exclude a student from all QUT courses if the academic board is recommending exclusion from all the Faculty's courses and the student has been excluded previously from a course in another faculty.

An excluded student may not enrol as a non-award student in any units in the course or courses from which they have been excluded except at the discretion of the Dean of the Faculty responsible for the course.

Students who are excluded are notified by registered mail. Excluded students have the right of appeal to the Academic Appeals Committee.

7.4 Duration of exclusion and readmission after exclusion
If a student does not appeal against an exclusion decision or if the student's appeal is not successful, the exclusion remains in force for an indefinite period of time and may only be revoked by the decision of the Faculty academic board to approve an application for readmission.

An application for readmission will not be considered until at least two semesters have elapsed since exclusion.

The student's application for readmission must be accompanied by a statement which addresses such factors as changed circumstances, academic and/or vocational performance since exclusion, maturity and motivation.

Students readmitted after a period of exclusion will be placed on probationary enrolment for the remainder of the academic year.
At the end of the academic year, the academic board of the relevant Faculty will review the academic performance of each student readmitted to the course during that year. If the student’s Grade Point Average since readmission is less than 3.5, the student may be excluded as per Rule 7.3.

If the student is permitted to proceed with the course, in subsequent years the student is subject to the probationary rules. In administering the probationary rules, units failed prior to the period of exclusion and the Grade Point Average prior to the period of exclusion will be taken into account.

8. Student appeals

A student who has been excluded on the grounds of unsatisfactory academic performance or failure to complete an award within time limits or who has been excluded because of breach of assessment rules has right of appeal.

8.1 General procedure to lodge an appeal

Appeals are made in writing to the Secretary of the Academic Appeals Committee. Applications must be made on an exclusion appeal form and must include the grounds and reasons for the Appeal. Appeals must reach the Secretary of the Academic Appeals Committee within 14 days of the date of the letter which advised the student of the exclusion.

8.2 Appeals against exclusion for unsatisfactory academic performance

An appeal against exclusion for unsatisfactory academic performance is referred to the relevant Faculty Academic Board. The Academic Board recommends to the Academic Appeals Committee whether the appeal should be upheld or dismissed. The Committee considers:

☐ whether the penalty imposed and procedures followed were correct according to policy and rules
☐ the severity or otherwise of the penalty imposed
☐ mitigating circumstances advanced by or on behalf of the student in the appeal.

Appellants may be invited to present their case to the Academic Appeals Committee at a time nominated by the Committee. An appellant may choose to be accompanied by a companion. The companion may not speak unless invited to do so by the Chair of the Committee. A representative of the Equity Board may be invited to attend the Academic Appeals Committee.

When an appeal against exclusion is upheld, the student is placed on probationary enrolment for the remainder of the academic year.

8.3 Appeals against exclusion for failure to complete a course within time limits

An appeal against exclusion for failing to complete a course within time limits is referred to the relevant Academic Board. The Academic Board recommends to the Academic Appeals Committee whether the appeal should be upheld or dismissed. The Committee considers:

☐ whether the penalty imposed and the procedures followed were correct according to the relevant policies and rules
☐ the severity or otherwise of the penalty imposed
☐ mitigating circumstances advanced by or on behalf of the student in the appeal.

Appellants may be invited to present their case to the Academic Appeals Committee at a time nominated by the Committee. An appellant may choose to be accompanied by a
companion. The companion may not speak unless invited to do so by the Chair of the Committee. A representative of the Equity Board may be invited to attend the Academic Appeals Committee.

When the Academic Board recommends that an appeal be upheld, the Board includes in its report a specified period in which the student will complete the course requirements and any units or special examinations that the student will be required to undertake.

When the Academic Appeals Committee decides that an appeal be upheld, the appeal is referred back to the Academic Board to determine conditions under which the student may complete the course.

8.4 Appeals against exclusion for breach of assessment rules
An appeal against exclusion for cheating is referred to the Academic Appeals Committee which determines whether the appeal should be upheld or dismissed. The Committee considers:

- whether the original penalty was correct under the relevant rules
- whether procedures were properly carried out
- the severity or otherwise of the penalty imposed.

Appellants may be invited to present their case to the Academic Appeals Committee at a time nominated by the Committee. An appellant may choose to be accompanied by a companion. The companion may not speak unless invited to do so by the Chair of the Committee. A representative of the Equity Board may be invited to attend the Academic Appeals Committee.

8.5 Status of students awaiting the outcome of an appeal
The University will make determinations on academic appeals as soon as practicable, but will not necessarily resolve any particular case before the close of enrolments for the next semester.

In this event the student remains bound, pending resolution of the case, by the ruling or by the consequences of the grade which are the subject of the appeal, except in special circumstances as may be determined by the Registrar.

9. Higher Education Contribution Scheme*
* subject to the passage of amendments to the Higher Education Funding Act 1988.

Under Commonwealth government legislation, all students must comply with certain conditions with respect to the Higher Education Contribution Scheme (HECS) as a condition of their enrolment.

9.1 HECS Payment Options Form
All students are required to lodge the HECS Payment Options Form at the time of their initial enrolment in a course. Proof of citizenship or residency may be required when lodging this form. A new HECS Payment Options Form must be lodged when a student changes course or when a student wishes to change HECS payment options. Students concurrently enrolled in more than one course are required to lodge a new HECS Payment Options Form for each course.

Unless a student is exempted from HECS under the terms of the Commonwealth legislation, the student must select either the up-front payment option or the deferred option as the method for making their HECS payment. Under certain circumstances students who select the up-front payment option may also choose the Safety Net provision.
Students who fail to lodge a valid HECS Payment Options Form by the first day of the semester of enrolment in their course will have their enrolment cancelled on the grounds that they have not fulfilled the conditions of enrolment.

9.2 Australian permanent residents and New Zealand citizens
Australian permanent residents who have not become citizens within one year of meeting the residency requirements for citizenship are required to pay their HECS up-front without discount. The deferred payment option is not available to these students. Students who have been permanent residents for less than three years may select the deferred payment option. New Zealand citizens who do not also hold Australian citizenship are required to pay their HECS up-front without discount, regardless of the duration of their residence in Australia. The deferred payment option is not available to these students.

9.3 Changing HECS payment option
Eligible students may change their HECS payment option by lodging a new HECS Payment Options Form by the first day of the semester. The new payment option applies to all future semesters until a further change of payment option is notified.

9.4 The HECS Notice of Liability
Following the census date for a semester, students are provided with a HECS notice setting out their HECS liability for the semester which was determined by their unit enrolment on the census date. Students have 14 days from the date of the HECS Notice of Liability to advise Student Administration of any error in the notice.

10. Student Guild fee rules

10.1 Membership of the Guild
Subject to Rule 10.2, all enrolled students, excepting such persons or classes of persons as QUT Council declares by resolution to be ineligible for membership, shall be members of the Guild.

10.2 Conscientious objection
An enrolled student who:
- declares by letter addressed to the Registrar the nature of his or her conscientious objection to being a member of the Guild
- notifies the Guild that he or she has made such declaration in writing to the Registrar
- pays to QUT an amount equivalent to the Guild fees which would be payable if the student were a member of the Guild, and
- pays to QUT an amount equivalent to 10 per cent of the Guild fees as a fee for use of University facilities in processing the declaration of conscientious objection

is exempt from membership of the Guild.

10.3 Fees to be paid
Guild fees payable for membership of the Guild shall be the amount approved by QUT Council. Guild fees for both semesters shall be paid in full prior to, or at the time of, submitting an enrolment form.

10.4 Consequences of non-payment or part-payment
If Guild fees payable by a student have not been paid at the time of lodging an enrolment form, or the student has not notified the Registrar of a conscientious objection as per Rule 10.2, the Registrar may refuse to accept the student's enrolment.
A student who has not paid all Guild fees due and who satisfies the Registrar that he or she is unable to make payment at the time of submitting an enrolment form may be granted an extension of time in which to pay the fees. In this case the enrolment is accepted subject to an agreement that all Guild fees will be paid by the extended date indicated by the Registrar.

A student who has not paid the full amount of Guild fees due may have their enrolment cancelled or may have sanctions imposed as specified in Rule 2.

10.5 Refund of fees
A student who cancels enrolment on or before 31 March for first semester or 31 August for second semester shall be entitled to a refund of the Guild fees for that semester. The refund will be made by the University on behalf of the QUT Guild. The student is required to surrender any current QUT Student Card.

11. Miscellaneous student charges

11.1 Guild fees
The annual Guild membership fees for 1996 were being reviewed at the time this publication was compiled. In 1995 the annual fees were:

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time students</td>
<td>$150</td>
</tr>
<tr>
<td>Part-time students</td>
<td>$ 68</td>
</tr>
<tr>
<td>External students</td>
<td>$ 20</td>
</tr>
</tbody>
</table>

11.2 Postgraduate tuition fees
Students enrolled in courses shown below will be required to pay the postgraduate tuition fee listed, unless they have been previously enrolled in the course on a HECS liable basis.

<table>
<thead>
<tr>
<th>Faculty of Arts</th>
<th>Fee per credit point</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT24 Graduate Certificate in Arts</td>
<td>$ 60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Faculty of Built Environment and Engineering</th>
<th>Fee per credit point</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE78 Master of Engineering Science in Electricity Supply Engineering</td>
<td>$142</td>
</tr>
<tr>
<td>EE60 Graduate Diploma in Electricity Supply Engineering</td>
<td>$142</td>
</tr>
<tr>
<td>EE82 Graduate Certificate in Electricity Supply Engineering</td>
<td>$142</td>
</tr>
<tr>
<td>AR80 Graduate Certificate in Architectural Practice</td>
<td>$ 60</td>
</tr>
<tr>
<td>CN81 Graduate Certificate in Project Development</td>
<td>$ 80</td>
</tr>
<tr>
<td>ME75 Graduate Certificate in Engineering Management</td>
<td>$ 65</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Faculty of Business</th>
<th>Fee per credit point</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS81 Master of Business Administration (Professional)</td>
<td>$ 75</td>
</tr>
<tr>
<td>GS80 Master of Business Administration (International)</td>
<td>$ 75</td>
</tr>
<tr>
<td>GS70 Graduate Diploma in Business Administration</td>
<td>$ 75</td>
</tr>
<tr>
<td>BS81 Master of Business Administration</td>
<td>$ 65</td>
</tr>
<tr>
<td>BS78 Graduate Diploma in Business (Administration)</td>
<td>$ 65</td>
</tr>
<tr>
<td>BS72 Graduate Diploma in Communication</td>
<td>$ 65</td>
</tr>
<tr>
<td>BS30 Graduate Certificate in Management</td>
<td>$ 65</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Faculty of Education</th>
<th>Fee per credit point</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED14 Master of Education (TESOL)</td>
<td>$ 60</td>
</tr>
<tr>
<td>ED61 Graduate Certificate in Education</td>
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</tr>
<tr>
<td>ED77 Graduate Certificate in Education (TESOL)</td>
<td>$ 60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Faculty of Information Technology</th>
<th>Fee per credit point</th>
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</thead>
<tbody>
<tr>
<td>IT18 Graduate Certificate in Information Technology</td>
<td>$100</td>
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</tbody>
</table>

* Proposed new postgraduate tuition fee-paying course in 1996
# Plus $1000 thesis supervision charge
Students who fail to pay the invoiced amount by the due date will be charged a late fee for acceptance of the payment. Failure to pay the required fee by the semester census date will lead to cancellation of enrolment.

11.3 Visiting Student Fees
The Visiting Student Fees applicable to each faculty are:

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Fee per credit point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty of Arts</td>
<td>$ 60</td>
</tr>
<tr>
<td>Faculty of Built Environment and Engineering</td>
<td>$ 60</td>
</tr>
<tr>
<td>Faculty of Business</td>
<td>$ 65</td>
</tr>
<tr>
<td>Faculty of Education</td>
<td>$ 60</td>
</tr>
<tr>
<td>Faculty of Health</td>
<td>$ 60</td>
</tr>
<tr>
<td>Faculty of Information Technology</td>
<td>$ 60</td>
</tr>
<tr>
<td>Faculty of Law - Undergraduate</td>
<td>$ 90</td>
</tr>
<tr>
<td>Faculty of Law - Postgraduate</td>
<td>$ 110</td>
</tr>
<tr>
<td>Faculty of Science</td>
<td>$ 60</td>
</tr>
</tbody>
</table>

Students who fail to pay the invoiced amount by the due date will be charged a late fee for acceptance of the payment. Failure to pay the required fee by the semester census date will lead to cancellation of enrolment.

11.4 Postgraduate tuition fee and visiting student fee refund policy
For single and multi-semester units undertaken in the first or second semester, students who cancel their enrolment in the first two weeks of the semester are entitled to a full refund of any fees paid. Where cancellation occurs from the third week of the semester to 31 March in the case of the first semester, or 31 August in the case of second semester, a refund administration charge equivalent to 25 per cent of the student's assessed liability will be levied. Where cancellation occurs after 31 March in the case of first semester, or 31 August in the case of second semester, no refund of fees will be approved.

For units undertaken in the Summer School period and units undertaken in the intensive study mode, students who cancel their enrolment prior to the commencement of teaching are entitled to a full refund of any fees paid. Where cancellation occurs after the commencement of teaching and before the end of the second week, a refund administration charge equivalent to 25 per cent of the student's assessed liability will be levied. Where cancellation occurs after the second week of teaching no refund of fees will be approved.

The Registrar, on advice from the Faculty, may waive the refund administration charge when satisfied that the cancellation was necessitated by medical, compassionate or other exceptional circumstances.

11.5 Administrative charges

<table>
<thead>
<tr>
<th>Service</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Late lodgement of application for admission</td>
<td>$ 20</td>
</tr>
<tr>
<td>Late lodgement of enrolment form</td>
<td>$ 30</td>
</tr>
<tr>
<td>Late addition to an enrolment program</td>
<td>$ 20</td>
</tr>
<tr>
<td>Addition to enrolment program not made on the prescribed form</td>
<td>$ 20</td>
</tr>
<tr>
<td>Reinstatement of enrolment following administrative cancellation</td>
<td>$ 30</td>
</tr>
<tr>
<td>Lodgement of Postgraduate Change of Preference Form</td>
<td>$ 20</td>
</tr>
<tr>
<td>Review of grades (refundable)</td>
<td></td>
</tr>
<tr>
<td>Step 2 - School-level review</td>
<td>$ 10</td>
</tr>
<tr>
<td>Step 3 - Faculty-level review</td>
<td>$ 20</td>
</tr>
<tr>
<td>Copy of examination script</td>
<td>$ 10 (per script)</td>
</tr>
<tr>
<td>Statement of Academic Record</td>
<td>$ 05</td>
</tr>
<tr>
<td>Re-issue of ID card</td>
<td>$ 05</td>
</tr>
</tbody>
</table>

1 Refer to 6.1 Review of grades.
Late collection of ID card $ 10
Re-issue of Award Certificate $ 40
Re-issue of receipt for fees paid $ 5
Late fee for up-front HECS payment $ 50
Late fee for payment of tuition fees $ 50
Re-issue of Notice of HECS liability $ 5

11.6 Deposit system for use of laboratory facilities
A student enrolled in any unit included in the ‘Schedule of Units relating to Laboratory Deposits’, which the Registrar may vary from time to time, shall deposit $50 for the use of laboratory facilities.

The student shall be required to pay only one deposit irrespective of the number of such units included in an enrolment.

At the end of the year the deposit shall be refunded to the student less the cost of any breakages which have not been made good.

APPENDIX 1: Credit transfer policies

1.1 Policy statement: general principles concerning transfer of credit and combined awards – Technical and Further Education; Training, Employment, Queensland (TAFE.TEQ)/QUT

There is a history of favourable credit transfer arrangements between various TAFE.TEQ and QUT courses. Further, there is a general willingness on the part of TAFE.TEQ and QUT to review courses to identify areas in which advanced standing, transfer of credit, efficient progression from TAFE.TEQ to QUT courses and the development of combined awards might be appropriate. TAFE.TEQ and QUT seek to eliminate unnecessary barriers to student progression, recognise problem areas and seek appropriate solutions and processes so that increased numbers of better educated graduates can be made available to industry.

The following principles form the substance of the agreement between QUT and TAFE.TEQ in this area.

Principles

Note: These principles apply specifically to credit transfer arrangements and combined awards between TAFE.TEQ associate diploma and diploma courses and QUT degree level courses in related fields.

(i) **Course development/review:** When developing and/or reviewing units with common or closely linked vocational outcomes, TAFE.TEQ and QUT will work in consultation with a view to establishing automatic equivalence. Units developed in this way will give TAFE students full QUT exemptions.

(ii) **Block exemptions:** The awarding of block credits is given a high priority. This allows for appropriate substitution in degree courses without disadvantaging the student’s foundation in core discipline units. While a normal exemption would comprise 96 credit points (Associate Diploma), in certain circumstances additional credit may be awarded.

(iii) **Individual unit exemptions:** Where there is a close equivalence between TAFE.TEQ and QUT units and/or they have been prepared jointly, then the student will be given credit for individual units that fall outside those already credited in any block exemption.

(iv) **Maximum recognition of previously completed learning:** A student should be given maximum recognition for prior learning. Credit should be given for all appropriate learning experiences.
(v) **The adoption of flexible constructs for credit exemptions:** Flexible constructs should be adopted to ensure that the combined credit exemptions of unit blocks, individual units and recognition of prior learning are not reduced by a pre-determined ceiling. The only limiting factor in such arrangements is standard QUT policy regarding transfer of credit.

(vi) **Joint use of resources:** Where appropriate and mutually beneficial, maximum utilisation of joint resources (human and physical) will be made in the development and delivery of courses.

(vii) **Combined awards:** Where joint arrangements could provide more effectively for the flexibility and specialisations sought by industry, the development of combined awards will be encouraged.

(viii) **New articulation and credit transfer arrangements:** Individuals or groups seeking to initiate any development that may lead to articulation and/or transfer of credit between TAFE.TEQ and QUT are to do so through the appropriate Associate Director (TAFE.TEQ) and Dean of Faculty (QUT).

### 1.2 Articulation of awards

The University considers that it is in the interest of students to facilitate their movement between courses of various types and levels. In developing new courses or revising existing courses, Faculties are asked to pay particular attention to achieving close articulation between courses both within the University and between institutions/sectors (e.g. QUT and TAFE.TEQ).

Specific articulation and credit transfer arrangements between levels of completed awards in related fields will normally be as follows:

- **Associate degree and associate diploma awards**
  
  Upon entry to these awards, students will normally gain credit on the basis of the following:
  
  (i) certificate – 24 credit points (0.5 semester), or
  
  (ii) advanced certificate – 48 credit points (1.0 semester).

- **Diploma awards**
  
  Upon entry to these awards, students will normally gain credit on the basis of the following:
  
  (i) associate diploma – 144 credit points (3.0 semesters).

- **Bachelor degree awards**
  
  Upon entry to these awards, students will normally gain credit on the basis of the following:
  
  (i) associate diploma – 96 credit points (2.0 semesters), or
  
  (ii) diploma – 192 credit points (4.0 semesters).

- **Graduate diploma awards**
  
  Upon entry to these awards, students will normally gain credit on the basis of the following:
  
  (i) graduate certificate – 48 credit points (1.0 semester).

- **Two-year Masters degree awards**
  
  Upon entry to these awards, students will normally gain credit on the basis of the following:

2 *All semester values refer to full-time or equivalent. QUT operates on standard length semesters of 48 credit points.*
(i) four-year Bachelor degree at Honours standard – 96 credit points (2.0 semesters),
or
(ii) Honours – 96 credit points (2.0 semesters), or
(iii) graduate certificate – 48 credit points (1.0 semester) or
(iv) graduate diploma – 96 credit points (2.0 semesters).

☐ Professional doctorate awards
Upon entry to these awards, students will normally gain credit on the basis of the following:
(i) Masters degree – 48 credit points (1.0 semester).

☐ Doctor of Philosophy awards
Upon entry to these awards, students will normally gain credit on the basis of the following:
(i) Masters degree – 48 credit points (1.0 semester).

Specific articulation and credit transfer arrangements between levels of awards in related fields on the basis of incomplete studies will normally be as follows:

☐ Masters degree awards
Students admitted to a doctoral research award or a professional doctorate award but who either do not qualify to progress to the award or do not wish to proceed may on application be transferred to a Masters degree award.

☐ Graduate diploma awards
In specifically designed Masters/graduate diploma awards, students may be granted a graduate diploma on the basis of the following:
(i) Masters degree by coursework – satisfactory completion of at least 96 credit points (2.0 semesters)

if they either do not qualify or do not wish to proceed to the higher level award.

☐ Graduate certificate
In specifically designed Masters/graduate diploma awards, students may be granted a graduate certificate on the basis of satisfactory completion of at least 48 credit points (1.0 semester) of units which constitute an approved graduate certificate program.
APPENDIX 2: Eligibility for graduation – limits on grades of 3

**Faculty of Arts**

<table>
<thead>
<tr>
<th>Program</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Arts</td>
<td>0</td>
</tr>
<tr>
<td>Master of Fine Arts</td>
<td>0</td>
</tr>
<tr>
<td>Master of Social Science (Counselling)</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma in Social Science (Counselling)</td>
<td>1</td>
</tr>
<tr>
<td>Bachelor of Arts</td>
<td>3</td>
</tr>
<tr>
<td>Bachelor of Arts (Honours) (Dance, Drama, Visual Arts)</td>
<td>0</td>
</tr>
<tr>
<td>Bachelor of Arts (Dance)</td>
<td>3</td>
</tr>
<tr>
<td>Bachelor of Arts (Drama)</td>
<td>3</td>
</tr>
<tr>
<td>Bachelor of Arts (Music)</td>
<td>3</td>
</tr>
<tr>
<td>Bachelor of Arts (Visual Arts)</td>
<td>3</td>
</tr>
<tr>
<td>Bachelor of Social Science</td>
<td>3</td>
</tr>
<tr>
<td>Associate Degree/Associate Diploma in Dance</td>
<td>1</td>
</tr>
</tbody>
</table>

**Faculty of Built Environment and Engineering**

All courses 12% of the total course credit points

**Faculty of Business**

<table>
<thead>
<tr>
<th>Program</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Business (BS80)</td>
<td>0</td>
</tr>
<tr>
<td>Master of Business (BS82)</td>
<td>0</td>
</tr>
<tr>
<td>Master of Business (BS83)</td>
<td>1</td>
</tr>
<tr>
<td>Master of Business (BS84)</td>
<td>1</td>
</tr>
<tr>
<td>Master of Business (BS85)</td>
<td>1</td>
</tr>
<tr>
<td>Master of Business (BS87)</td>
<td>1</td>
</tr>
<tr>
<td>Master of Business Administration</td>
<td>2</td>
</tr>
<tr>
<td>Graduate Diploma of Advanced Accounting</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma of Business (Industrial Relations)</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma of Business Administration</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma of Communication</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Certificate in Management</td>
<td>1</td>
</tr>
<tr>
<td>Bachelor of Business (Honours) (BS60)</td>
<td>1</td>
</tr>
<tr>
<td>Bachelor of Business (Honours) (BS61)</td>
<td>1</td>
</tr>
<tr>
<td>Bachelor of Business (Honours) (BS62)</td>
<td>1</td>
</tr>
<tr>
<td>Bachelor of Business</td>
<td>3</td>
</tr>
<tr>
<td>Associate Diploma in Business (Industrial Relations)</td>
<td>2</td>
</tr>
</tbody>
</table>

**Faculty of Education**

<table>
<thead>
<tr>
<th>Program</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Education</td>
<td>0</td>
</tr>
<tr>
<td>Master of Education</td>
<td>0</td>
</tr>
<tr>
<td>Master of Education (Research)</td>
<td>0</td>
</tr>
<tr>
<td>Master of Education (TESOL)</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma in Education (Computer Education)</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma in Education (Early Childhood)</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma in Education (Pre-service)</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma in Education (Educational Management)</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma in Education (Learning Support)</td>
<td>0</td>
</tr>
<tr>
<td>Graduate Diploma in Education (Teacher-Librarianship)</td>
<td>0</td>
</tr>
<tr>
<td>Graduate Certificate in Education</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Certificate in Education (TESOL)</td>
<td>0</td>
</tr>
<tr>
<td>Bachelor of Education (Early Childhood) External</td>
<td>3</td>
</tr>
<tr>
<td>Course</td>
<td>Credit Points</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Bachelor of Early Childhood Studies</td>
<td>3</td>
</tr>
<tr>
<td>Bachelor of Education (In-service)</td>
<td>1</td>
</tr>
<tr>
<td>Bachelor of Education (Pre-service)</td>
<td>3</td>
</tr>
<tr>
<td>Bachelor of Teaching (Early Childhood, Primary)</td>
<td>3</td>
</tr>
<tr>
<td>Bachelor of Teaching (Child Care Upgrade)</td>
<td>3</td>
</tr>
<tr>
<td><strong>Faculty of Health</strong></td>
<td></td>
</tr>
<tr>
<td>Graduate Diploma in Health Promotion</td>
<td>1</td>
</tr>
<tr>
<td>Bachelor of Applied Science (Home Economics)</td>
<td>3</td>
</tr>
<tr>
<td>All other courses</td>
<td>12.5% of the total course credit points</td>
</tr>
<tr>
<td><strong>Faculty of Information Technology</strong></td>
<td></td>
</tr>
<tr>
<td>All courses</td>
<td>12.5% of the total course credit points</td>
</tr>
<tr>
<td><strong>Faculty of Law</strong></td>
<td></td>
</tr>
<tr>
<td>Associate Diploma in Business</td>
<td>2</td>
</tr>
<tr>
<td>(Court and Parliamentary Reporting)</td>
<td></td>
</tr>
<tr>
<td>All other courses</td>
<td>12.5% of the total course credit points</td>
</tr>
<tr>
<td><strong>Faculty of Science</strong></td>
<td></td>
</tr>
<tr>
<td>All courses</td>
<td>12.5% of the total course credit points</td>
</tr>
<tr>
<td><strong>Interfaculty Courses</strong></td>
<td></td>
</tr>
<tr>
<td>Master of Public Policy</td>
<td>1</td>
</tr>
<tr>
<td>Master of Quality</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma in Quality</td>
<td>1</td>
</tr>
<tr>
<td>Double degree courses</td>
<td></td>
</tr>
<tr>
<td>All other courses</td>
<td></td>
</tr>
</tbody>
</table>

1. Students enrolled in courses offered by the Faculty of Science who have been granted credit of value greater than 144 credit points are limited to no more than 24 credit points of grades of 3.
APPENDIX 3: Exclusion - designated units

<table>
<thead>
<tr>
<th>FACULTY OF ARTS</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bachelor of Arts (Dance)</strong></td>
<td></td>
</tr>
<tr>
<td>AAB121 Contemporary Technique 1</td>
<td>12</td>
</tr>
<tr>
<td>AAB122 Contemporary Technique 2</td>
<td>12</td>
</tr>
<tr>
<td>AAB166 Ballet Technique &amp; Kinesiology</td>
<td>12</td>
</tr>
<tr>
<td>AAB167 Ballet Technique &amp; Alignment</td>
<td>12</td>
</tr>
<tr>
<td><strong>Bachelor of Arts (Drama)</strong></td>
<td></td>
</tr>
<tr>
<td>AAB202 Acting 1</td>
<td>12</td>
</tr>
<tr>
<td>AAB203 Acting 2</td>
<td>12</td>
</tr>
<tr>
<td>AAB247 Acting 3</td>
<td>12</td>
</tr>
<tr>
<td>AAB248 Acting 4</td>
<td>12</td>
</tr>
<tr>
<td><strong>Bachelor of Arts (Music)</strong></td>
<td></td>
</tr>
<tr>
<td>AAB606 Principal Studies 1</td>
<td>24</td>
</tr>
<tr>
<td>AAB607 Principal Studies 2</td>
<td>24</td>
</tr>
<tr>
<td><strong>Bachelor of Arts (Visual Arts)</strong></td>
<td></td>
</tr>
<tr>
<td>AAB740 Foundation Art Practice 1</td>
<td>24</td>
</tr>
<tr>
<td>AAB741 Foundation Art Practice 2</td>
<td>24</td>
</tr>
<tr>
<td>AAB742 Studio Art Practice 1</td>
<td>12</td>
</tr>
<tr>
<td>AAB743 Studio Art Practice 2</td>
<td>12</td>
</tr>
<tr>
<td><strong>Bachelor of Social Science (Human Services)</strong></td>
<td></td>
</tr>
<tr>
<td>SSB026 Fieldwork Practice 1</td>
<td></td>
</tr>
<tr>
<td>SSB036 Fieldwork Practice 2</td>
<td></td>
</tr>
<tr>
<td><strong>Associate Degree in Dance</strong></td>
<td></td>
</tr>
<tr>
<td>AAX111 Repertoire &amp; Practice Period 1</td>
<td>12</td>
</tr>
<tr>
<td>AAX112 Repertoire &amp; Practice Period 2</td>
<td>16</td>
</tr>
<tr>
<td>AAX113 Repertoire &amp; Practice Period 3</td>
<td>16</td>
</tr>
<tr>
<td>AAX114 Repertoire &amp; Practice Period 4</td>
<td>16</td>
</tr>
<tr>
<td>AAX117 Ballet Technique 1</td>
<td>8</td>
</tr>
<tr>
<td>AAX118 Ballet Technique 2</td>
<td>8</td>
</tr>
<tr>
<td>AAX119 Ballet Technique 3</td>
<td>8</td>
</tr>
<tr>
<td>AAX120 Ballet Technique 4</td>
<td>8</td>
</tr>
<tr>
<td>AAX121 Contemporary Technique 1</td>
<td>8</td>
</tr>
<tr>
<td>AAX122 Contemporary Technique 2</td>
<td>8</td>
</tr>
<tr>
<td>AAX123 Contemporary Technique 3</td>
<td>8</td>
</tr>
<tr>
<td>AAX124 Contemporary Technique 4</td>
<td>8</td>
</tr>
</tbody>
</table>
POLICY STATEMENTS

Access to assessment results

The University is committed to a policy of openness with respect to the release of assessment results. Effective from the date of commencement of the *Queensland Freedom of Information Act*, QUT policy on access to assessment results and/or marks is as follows:

- For units where percentage marks are calculated, students may request and obtain their own final marks from nominated officers in the relevant Faculty.

- Faculty academic boards must make appropriate arrangements for students who request to peruse or to obtain a copy of their own examination scripts or written answers to examination questions or other forms of assessment, provided that the request is made within three months of the release of the examination results.

- Where examination question papers or other forms of assessment will be re-used in successive examinations, Faculty academic boards must arrange for students to receive advice on their performance with reference to their own examination scripts in a way which does not prejudice the examination mode.

Assessment provisions for students with disabilities

Students with permanent or temporary disabilities have the right to alternative arrangements which are consistent with a commitment to academic excellence and the provision of equality of opportunity to enable students to fulfil course requirements.

Normally, students should notify the relevant Course Coordinator in writing early in the semester, but no later than the semester census date. Failure to do so may jeopardise access to appropriate services. Students who suffer a disability, illness or injury after the census date can, during the semester, seek special consideration or other means of addressing their need for alternative arrangements.

Alternative forms of assessment are usually negotiated between student and Course Coordinator, but advice can be sought from the QUT Disability Officer as needed, particularly if differing views are held about the appropriateness of such accommodation/arrangements.

Suggested variations in assessment techniques for students with disabilities are listed below. Issues of validity, reliability and equity, together with ease of marketing, should be taken into account when adopting such alternatives.

<table>
<thead>
<tr>
<th>Variations</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode</td>
<td>Brailed or audiobased questions, viva voce testing, signing interpreter, etc.</td>
</tr>
<tr>
<td>Questioning modality</td>
<td>Oral rather than written answers – recorded on tape, viva voce, signing, etc.</td>
</tr>
<tr>
<td>Response modality</td>
<td>Extended period to answer examination, respite breaks during an examination, extra time to complete assignments, deferment without penalty, etc.</td>
</tr>
<tr>
<td>Context</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td></td>
</tr>
</tbody>
</table>
Equipment
- Tape recorder, brailer, print magnifier, electric typewriter, special desk for wheelchair, adapted laboratory equipment, etc.

Separate examination room
- Special equipment, personal assistance (to avoid disturbing others).

Personal assistance
- Amanuensis, reader, interpreter, aide.

To support their request for alternative assessment arrangements, students may be required by the relevant lecturer and Course Coordinator to present a certificate from a medical or other relevant specialist practitioner which substantiates the nature of the special need.

The University accepts that general principles of confidentiality and privacy should apply in such circumstances. Therefore, students may choose to refer the certificate to the QUT Disability Officer or a QUT counsellor who shall recommend appropriate action to the relevant lecturer or Course Coordinator.

Following any decisions in relation to such a request, all documentation in relation to the disability should be forwarded to the QUT Disability Officer for retention on a confidential file. A record of requests and adaptations will be retained for review purposes by the QUT Disability Officer with a record of the decision forwarded to the Examinations Officer for retention on the student’s file.

The student must be advised in writing of any variations that will be made to assessment. The Examinations Section will notify the student in the case of central examinations and the school office will do so for school-based assessment.

Students who are not granted alternative assessment but believe that they are entitled to alternative assessment under the above provisions may request a review of the decision under the University’s procedures for reviews of academic rulings.

Confidentiality of student records

The University is required to have on record a variety of factual information about students both for internal use in connection with its academic program and for the compilation of statistical reports to meet the requirements of such external bodies as the Department of Employment, Education and Training.

The Registrar is the official custodian of such records and is responsible to the Vice-Chancellor for their proper maintenance and control.

Information required by outside bodies is normally of a statistical nature and does not identify individual students, e.g. admission and enrolment statistics, OP Score distributions, age distributions, patterns of origin by school or residential district, full-time/part-time ratios, attrition rates etc. However, information held on individual students may include details of a personal nature which students may quite reasonably expect the University to maintain as confidential except for legitimate internal purposes – e.g. age, address, telephone number, title, medical information, references, etc. The University has no need for and will not maintain records relating to the religious or political affiliations and activities of students except insofar as such information may be voluntarily included in correspondence from the student or in references supplied by persons at the student’s request.

The University accepts that general principles of confidentiality and privacy should apply to the use or availability of its records on individual students. These imply that the University will not normally make available externally particular information on a student without specific authorisation by that student, unless it is legally required to do so.
Exceptions to this policy will be restricted to situations in which the release of information is judged to be in the clear interest of the student, e.g. provision of a telephone number or address to a hospital when a relative has been involved in an accident.

Information from a student's personal files will be available internally to faculties and individual staff members on the basis of a demonstrated need in connection with the academic program. Its release from the Student Administration office must be authorised by the Registrar acting within the spirit and intent of this policy, on the understanding that staff members using the information will also adhere to its intent.

In addition to being provided at regular intervals with information on academic performance, students shall be entitled to have access to their personal files which will contain forms, correspondence, results statements and any other items relating to each student. Access will be available only at Student Administration Offices and the student will be under supervision while perusing the file. The file may not be removed from the office. No student may have access to another student's personal file, or to information from such a file or computer record.

Each semester the University publishes students’ results in the press and on University noticeboards. Students who would prefer that their results are not published in the press or displayed by name on University noticeboards have the right to request that their academic records remain confidential. The request to withhold results from public release will remain in force until specifically revoked by the student.

It is the responsibility of the Registrar to provide a student with copies of his or her official University transcript on request for use at the student's discretion, e.g. in connection with job applications or applications for admission to another educational institution, or to forward such transcripts when authorised in writing by the student to do so. Should the Registrar of another institution to which a student is seeking admission formally request a copy of the student’s academic record, its transmission will be assumed to be authorised by the student. Official University transcripts may only be provided to other individuals, employers or agencies outside the University upon the written authorisation or request of the student, addressed to the Registrar.

Staff members who are asked to provide references for students should refer to the fact that official transcripts are available only through Student Administration Offices, but inasmuch as they have been asked by the students to comment on general academic performance and other attributes they are clearly free to do so.

**Awards with Honours**

This policy does not deal with Honours programs which are end-on to a bachelor degree course.

In degree courses of four or more years, a degree with Honours may be awarded to students who have recorded outstanding achievement in the four-year program.

First class Honours, second class Honours division A and second class Honours division B may be awarded. Candidates for a degree with Honours must fulfil the requirements for a pass degree and achieve a standard of proficiency in all course units as may from time to time be determined by the relevant Faculty academic board and approved by University Academic Board.

Honours are awarded:

- to indicate that students may appropriately proceed to higher degrees
- to encourage students to work consistently throughout a course
to ensure that QUT students can apply equally for employment in competition with Honours graduates from other institutions

to ensure that QUT graduates are eligible for the same level of salary on commencement as graduates from other institutions

to enable QUT graduates to compete equally for scholarships.

A degree with Honours will not be registered for programs of less than four years' duration. Honours are presently awarded in the degree courses in Architecture, Engineering, Law and Optometry.

Faculty academic boards make recommendation to University Academic Board, supplying the following information:

- the level of academic achievement necessary to qualify for each grade of Honours as per faculty criteria
- the actual results for each of the recommended candidates viz. the number of high distinctions, distinctions (or Honours pre-1985), credits and passes
- the cumulative proportion of graduates represented in Honours groups since the introduction of Honours in the course and, for Engineering, cumulative percentages for each class of Honours for civil, electrical and mechanical engineering graduates.

Student Administration Department will provide University Academic Board with the grade point average for each of the recommended candidates.

Equal opportunity policy

The Council of the Queensland University of Technology is committed to a policy of equal opportunity and freedom from all forms of discrimination as determined by legislation or by Council. The policy is issued on the basis that it is fair and just and contributes to the fulfilment of QUT’s Missions and Goals.

In fulfilling this policy, the University aims to:

- promote the development of a University culture supportive of equity principles
- ensure all of its management and educational policies and practices reflect and respect the social and cultural diversity contained within the University and the community it serves
- ensure that the appointment and advancement of staff and admission and progression of students within QUT are determined on the basis of merit
- provide equal employment and educational opportunities within QUT and identify and remove barriers to participation and progression in employment and education, and implement an Affirmative Action Program for equity groups
- eliminate unlawful discrimination against staff and students on the grounds of sex; marital status; pregnancy; breastfeeding; race; age; parenthood; physical, intellectual and mental impairment; religious belief; lawful sexual activity; trade union activity; criminal record; social origin; medical record; nationality; or political belief or activity
- comply with state and federal legislation on Discrimination, Equal Opportunity and Affirmative Action and binding international human rights instruments.

The Vice-Chancellor, through the Pro-Vice-Chancellor (Academic) and the management of the University, is responsible for implementation of this policy. The Pro-Vice-Chancellor (Academic) is assisted by the Equity Coordinator.
QUT expects all staff, students and members of the University community to act in accordance with this policy.

Non-discriminatory presentation and practice

Queensland University of Technology endorses a policy of non-discriminatory presentation and practice in all administrative and academic activities of the University.

Accordingly, the University will:

- actively promote the use of non-discriminatory language and presentation in all QUT documents and publications and non-discriminatory teaching practice in classrooms
- put in place a procedure for setting complaints and grievances about discriminatory language, presentation, and teaching practices
- make all staff aware of their responsibilities under the policy and of the existence of a complaints procedure, and circulate suitable educational material to assist staff to comply
- require that in the development of guidelines and teaching activities for students, staff encourage students to comply with the policy.

Heads of School are responsible for implementing and monitoring the policy, and for responding to complaints.

Staff or students with complaints or concerns regarding discriminatory practices should approach their Head of School or, if preferred:

- the Equity Officer
- any member of Women in QUT within their Faculty/School
- the Women's Services Officer of the Student Guild.

Sexual and gender-based harassment policy

QUT has adopted a Policy on Equal Opportunity to reflect its commitment to equal opportunity and freedom from all forms of discrimination in education and employment, as determined by legislation or by Council.

QUT recognises the right of all students and staff to work and/or study in an environment free from sexual and gender-based harassment. Sexual harassment and discrimination on the basis of sex are unlawful and unacceptable within the University.

The University acknowledges its responsibility to ensure that staff, students and members of the university community are made aware of what constitutes unacceptable behaviour within the University and that all managers and supervisors are aware of their responsibility for ensuring the maintenance of proper standards of conduct within the University.

The University recognises also its responsibility to take prompt and effective action to deal with complaints of sexual and gender-based harassment and to ensure that all people involved in the complaint, including the complainant, the person complained about and witnesses are treated fairly. The university will do everything in its power to ensure that people are not victimised in any way. It also recognises the responsibility of managers to take a pro-active role in dealing with any manifestations of sexual and gender-based harassment in accordance with this policy.
What is harassment?
Harassment is a form of discrimination. It is offensive social behaviour which occurs particularly in staff/student or employer/employee relationships where there is a relationship of power and/or authority of one person over another.

The University recognises however that the work or study environment may also be adversely affected by sexual or gender-based harassment by peers (student/student or employee/employee) and will not tolerate such behaviour. Similarly, the University will not tolerate harassment of staff by students nor harassment by staff or students of visitors or members of the public whilst engaged in University activities.

Behaviour that is regarded as harmless, trivial or a joke may constitute sexual or gender-based harassment, where personally offensive, humiliating or distressing to the recipient.

Sexual harassment
Sexual harassment is any form of offensive sexual attention that is uninvited and unwelcomed. It can be a single incident or a persistent pattern of unwelcomed behaviour and it should be noted that the distress can be the same whether the conduct is intentional or unintentional. Although a majority of complaints of sexual harassment come from women, sexual harassment is not confined to any gender or sexuality. Sexual harassment can range from subtle behaviour to explicit demands for sexual activity or even criminal assault and includes the following:

- inappropriate remarks with sexual connotations
- smutty sexual jokes
- the display of offensive material
- stares and leers or offensive hand or body gestures
- inappropriate posturing
- comments and questions about another person’s sexual conduct and/or private relationships
- persistent unwelcome invitations
- requests for sexual favours
- offensive written, telephone or electronic mail or other computer system communications
- unnecessary close physical proximity including persistently following a person
- unwelcome physical conduct such as brushing against or touching a person
- actual molestation
- sexual assault.

Gender-based harassment
Gender-based harassment is any conduct that is unwelcome because it denigrates a person on the basis of their gender. It can be a single incident or a persistent pattern of unwanted behaviour and constitutes unlawful discrimination if it can be shown that the person being harassed is being treated unfavourably on the basis of her or his sex. The term covers a range of behaviour which in its context amounts to harassment including:

- denigrating comments regarding a person’s gender
- the display of written or pictorial material that denigrates a person’s gender
- negative behaviours, e.g. bullying, intimidation or exclusion related to the gender of the recipient
expressing stereotyping, that is, assumptions based on gender about an individual’s gender, group behaviour, values, culture or ability.

Information on harassment

QUT has procedures designed for dealing with complaints of sexual or gender-based harassment.

There is also a network of trained Sexual Harassment Contact Officers who can advise and assist people interested in making a complaint.

Information on the policy and procedures and/or the Sexual Harassment Contact Officers are available from the Equity Section.

Equity Coordinator
Room U333
U Block
Gardens Point Campus
Ph. 07 3864 2115

Equity Officer
Room 214
K Block
Kelvin Grove Campus
Ph. 07 3864 3652

Supplementary assessment

Supplementary assessment is provided to facilitate the course completion of students and will therefore only be granted to students whose current enrolment would satisfy the requirements for graduation. Supplementary assessment is provided only to students enrolled in undergraduate Bachelor degrees or graduate diplomas leading to the granting of an initial professional qualification.

Supplementary assessment is not a reassessment of the student’s overall grade or the mark for an individual assessment item. It is a new item of assessment designed to assist final semester students to complete requirements for their qualification. A student may be granted a maximum of two supplementary assessments in any one course.

Faculty academic boards are responsible for determining eligibility for supplementary assessment at the time exam results are considered. Faculty academic boards will be guided by advice from the relevant School(s), as to whether, given the student’s grades for the unit(s) and the nature of the unit(s) it is possible for the student to achieve a passing standard through supplementary assessment.

The form and type of supplementary assessment is at the discretion of the Faculty which will ensure that academic standards are maintained.

Supplementary assessment should only be provided in the following circumstances:

- when a student receives a grade of 3 in a unit where a 4 is required for course completion
- when a student receives a grade of 2 in a unit where a 3 is required for course completion.

Supplementary assessment will not be granted in the following circumstances:

- to students enrolled in designated units listed in Appendix 3 to the Student Rules
- to students who have been graded 1 Low Fail or K Withdrawn Failure.

Students who are not granted supplementary assessment but believe they are entitled to supplementary assessment may request a review of the decision under the University’s procedures for reviews of academic rulings.

The only grades that will be recorded following supplementary assessment are S3 (Pass Supplementary) and S2 (Fail Supplementary).
REPLACEMENT AND SUBSTITUTE AWARD CERTIFICATES

A 'replacement' certificate is a replacement for a certificate issued originally by the Queensland University of Technology.

A 'substitute' certificate is a substitute for a certificate issued originally by antecedents of Queensland University of Technology (including Brisbane College of Advanced Education, Brisbane Kindergarten Teachers' College, Kedron Park Teachers' College, Kelvin Grove Teachers' College, Kelvin Grove College of Teacher Education, Kelvin Grove College of Advanced Education, North Brisbane College of Advanced Education, Queensland Institute of Technology, [Queensland] Teachers' College and the [Queensland] Teachers' Training College).

Substitute certificates will not be issued for certificates issued originally by the Queensland Department of Education or other bodies not currently associated with higher education.

Fees for replacement or substitution

Replacement certificates will be issued free of charge where the original was lost or damaged in transmission or was defective. A fee of $40 will be charged in all other cases.

A fee of $40 will be charged in respect of substitute certificates.

Conditions of replacement or substitution

Both replacement and substitute certificates will be issued subject to the following conditions:

☐ where the original certificate has been lost in transmission or subsequently, a statutory declaration is submitted to that effect
☐ where the original certificate was defective or has been damaged, the certificate is returned
☐ payment of the prescribed fee, where applicable.

Form of certificates

All replacement and substitute certificates will be produced on QUT proforma, and, except where a replica is issued as a replacement, will be produced using the proforma current at the time of issue of the replacement or substitute, and incorporate the signatures of the incumbent Chancellor, Vice-Chancellor and Registrar.

The student's name on the replacement and substitute certificates will be the same as on the original certificate. Certificates will not normally be re-issued on account of a change of name. In exceptional circumstances the Registrar may approve variations to the application of this policy.

Endorsements

Replacement certificates

Replacement certificates will carry no endorsement where the original certificate can be replicated in every respect. The University cannot guarantee to provide replicas in every instance.
However, where there has been any change in the proforma itself, the Common Seal, or the signatories, and no stock of the original is available, a replacement certificate will be endorsed as follows:

'This is a replacement for a certificate issued under the Common Seal on (day, month, year appearing on original certificate)(under the name of [name appearing on original certificate]).'

**Substitute certificates**

Substitute certificates will carry, as appropriate, one of the following endorsements in every case:

'This is a substitute for a certificate, (number – if known), issued on (date, month, year, appearing on original certificate) by (institution), (under the name of [name appearing on original certificate]) which was incorporated into Queensland University of Technology on 1 May 1990.'

or

'This is a substitute for a certificate issued on (date, month, year appearing on original certificate)(under the name of [name appearing on original certificate]) by Queensland Institute of Technology which became Queensland University of Technology on 1 January 1989.'
3

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UNIVERSITY-WIDE AND INTERFACULTY COURSES

Course Structures

■ Doctor of Philosophy (IF49)

Introduction

The main purpose of graduate study is to encourage independence and originality of thought in the quest for knowledge. The Doctor of Philosophy degree is awarded in recognition of a student's erudition in a broad field of learning and for notable accomplishment in that field through an original and substantial contribution to knowledge. The candidate's research must reveal high critical ability and powers of imagination and synthesis, and may be in the form of new knowledge, or of significant and original adaptation, application and interpretation of existing knowledge.

1. General conditions

1.1 The Council of the Queensland University of Technology was established in 1989 under the Queensland University of Technology Act.

1.2 This document sets out the Regulations governing the award of the degree of PhD.

1.3 The Council’s power to approve arrangements for the registration and examination of candidates for the degree of PhD is exercised through a Research Management Committee, which shall be a subcommittee of Academic Committee. In exercising this power, the Research Management Committee shall be advised by Faculty academic boards, Deans of Faculty and Heads of School, as appropriate.

1.4 In order to qualify for the award of the degree of PhD, a candidate must submit to the Research Management Committee:

□ a certificate of satisfactory completion of the candidate’s approved course of study signed by the Principal Supervisor

□ a declaration signed by the candidate that he or she has not been a candidate for another tertiary award without permission of the Research Management Committee

□ a certificate recommending acceptance of the thesis in fulfilment of the conditions for the award of the PhD degree signed by each member of the Faculty panel that recommended examination of the thesis and the Examination Committee which accepted it

□ an application for conferral of the degree, and

□ four copies of the thesis in the required format.

2. Registration

2.1.1 A candidate may register either as a full-time or as a part-time student (see also Section 4). To be registered as a full-time student, a candidate must be able to commit to the course not less than three-quarters of a normal working week, averaged over each year of candidacy. Such a student may not devote more than 300 hours annually to teaching activities, including preparation and marking.
2.1.2 A candidate who is unable to devote to the course the proportion of time specified in Section 2.1.1 may register as a part-time student.

2.1.3 A candidate's program of research or other approved investigation may be based at a place of employment or a sponsoring institution (see Section 7). Normally, support of the sponsoring establishment for the candidate's application is required for registration.

2.1.4 A sponsoring establishment is required to certify annually by 31 December that all registered candidates sponsored by that organisation are actively engaged in their course of study, and are maintaining frequent contact with their local supervisor.

2.2 To gain registration in a course of study leading to the award of a Doctor of Philosophy, a candidate normally shall hold a relevant first class or second class division A Honours degree or an appropriate Masters degree (by coursework or by thesis) of QUT or of another recognised institution.

2.3 Before accepting an application for registration, the Research Management Committee must satisfy itself that the candidate has sufficient command of English to complete satisfactorily the proposed course of study, to pass an oral examination in English as described in Section 9.2, and to prepare a thesis in English.

2.4 Without the specific permission of the Research Management Committee, students may not be registered as candidates for a PhD degree if they are registered candidates for another tertiary award.

2.5 The Research Management Committee may cancel a candidate's registration, after consulting the relevant Dean and supervisors and having taken account of all relevant circumstances and having given the candidate opportunity to show cause why it should not do so:

- if it is of the opinion that the candidate either has effectively discontinued his/her studies or has no reasonable expectation of completing the course of study within the maximum time allowed (see Regulation 4), or
- if the quality and progress of research gives no reasonable expectation of successful completion of the degree, or
- if the candidate's grade point average in coursework undertaken is below 5.00 on a scale of seven.

2.6 A student whose registration has lapsed or has been cancelled, and who wishes subsequently to re-enter the course of study to pursue an investigation which is substantially the same as his/her previous investigation, may be re-admitted under such conditions as the Research Management Committee shall prescribe.

2.7 An application for registration shall be made on the prescribed application form and shall include any information which may be required, such as:

- personal data
- academic record and details of relevant professional and research experience
- the proposed field of study
- the proposed title of thesis
- a brief outline of proposed research
- the centre/research concentration area
- a brief description of intended research methods and required equipment and consumables.
The Research Management Committee reserves the right to call for referee reports where considered necessary to enable a decision on registration to be made.

2.8 The Faculty shall advise the Research Management Committee:

☐ whether the applicant meets the prescribed criteria for registration (see Regulations 2.2, 2.3, 2.4), or if deficiencies exist, what they are and whether and how they can be remedied
☐ whether the applicant's proposed topic of research is consistent with the aims and objectives of the centre/research concentration area
☐ whether the centre/research concentration area is willing and able to provide the accommodation, facilities and resources required for the proposed study
☐ of the names and academic details of a Principal Supervisor and Associate Supervisor(s) (see Regulation 6).

2.9 Research Management Committee shall recommend that:

☐ the applicant be registered to PhD candidature, in which case it shall appoint supervisors, or
☐ the applicant be admitted to master candidature with the option of later applying to upgrade to PhD candidature (see Regulation 5), or
☐ the applicant be not admitted,

and may set conditions on an offer of admission including date of registration.

2.10 On registration, the candidate shall develop, in consultation with his/her supervisors, and provide to the Research Management Committee, a realistic and clear statement of objectives, which may be coursework, projects or research, which will constitute the basis of a full course of study (see Regulation 3).

2.11 Normally, within 12 months of registration (or 18 months for part-time candidates), the candidate shall develop, in consultation with his/her supervisors, a full course of study (see Regulation 3), which shall incorporate work done to this point and shall be able to demonstrate a research capacity.

2.12 The Faculty shall review the candidate’s progress and full course of study and shall submit to the Research Management Committee an Application for Confirmation of Candidature consisting of:

☐ appraisal of the candidate’s progress and suitability for continuation in the PhD program
☐ the full course of study
☐ a statement that the course of study is of the standard required for a PhD program
☐ statements of whether the studies continue to be within the aims and objectives and physical and human resources of the centre/research concentration area.

2.13 The Research Management Committee may require changes to the full course of study, and shall:

☐ confirm the candidate’s registration, or
☐ if the recommendation of the Faculty is not to confirm candidature immediately, extend provisional candidature for up to three months. A further extension up to a maximum of three months may be granted only in exceptional circumstances.

Where an extension of provisional candidature has been approved, the candidate must be advised of the conditions to be met for confirmation of candidature in the form of clear written guidelines on work to be completed and due dates for submission of materials. The conditions should be endorsed by the student, supervisor(s), Director of Centre and the Head of School or Dean as appropriate, or
after giving the candidate opportunity to show cause why such action should not be taken:

- terminate the candidature with an offer of admission to candidature for the degree of master, or
- terminate the candidature with no such offer.

2.14 Candidature shall have commenced on the date of registration, or at some later date as determined by the Research Management Committee.

3. Course of study

3.1 A candidate for the degree of Doctor of Philosophy is required to complete successfully a course of study which results in a substantial contribution to knowledge. This contribution may be in the form of new knowledge, or of significant and original adaptation, application and interpretation of existing knowledge.

3.2 The course of study normally will include:

- a program of assessed coursework
- participation in university scholarly activities such as research seminars, teaching and publication
- regular face to face interaction with supervisors, and
- a program of supervised research and investigation

and must be such as to enable the candidate to acquire competence in relevant methods of research and scholarship related to the subject of the proposed investigation, and to display sustained independent effort.

3.3 Coursework at doctoral level demands a capacity for critical analysis and a specialisation of research interests not normally appropriate for an undergraduate program. Such coursework may be conducted in a number of ways:

- as advanced lecture courses
- as seminars in which faculty and students present critical studies of selected problems within the subject field
- as independent study or reading courses, or
- as research projects conducted under faculty supervision.

In all cases, coursework will be based upon a formal syllabus setting out the educational outcomes expected from the course, a list of topics to be covered, the prescribed reading material and the method of assessment of progress through and at the end of the course.

3.4 Coursework will occupy not more than one third of the total period of registration (see Section 4).

3.5 A full and systematic description of the candidate’s proposed course of study shall be included in an Application for Confirmation of Candidature (see Regulation 2.12). The description should include the area of study within which the candidate’s course lies, the coursework to be undertaken, the nature of participation in scholarly activities of the Centre, School or Faculty in which the study is being undertaken, the objectives of the proposed program of research and investigation, its relationship to previous work in the same field, the research methods to be followed, and the proposed title of the thesis to be written.

3.6 A candidate is normally expected to pursue the approved program of research and investigation throughout the period of registration. Where circumstances make modification or extension of the program desirable, approval for the proposed change must be sought in writing from the Research Management Committee. Permission to maintain the candidate’s
registration may be given by the Committee in such circumstances, provided that the course of study remains in the same field.

3.7 Where a candidate’s approved program of research and investigation forms part of a group project, the application must indicate clearly the individual contribution expected to be made by the candidate, and the extent to which the work is to be carried out in collaboration with others (see also Section 8.4).

3.8 Where an approved program of research and investigation is carried out jointly in QUT and in an industrial, commercial, professional or research establishment, the nature of the work to be carried out in each need not be prescribed in detail initially, but a clear indication must be provided of the way in which the work that the candidate is likely to undertake in the collaborating establishment relates to work to be undertaken at QUT or elsewhere.

3.9 In appropriate cases, the Research Management Committee may approve a course of study leading to the presentation of a thesis accompanied by material in other than written form, or exceptionally, in lieu of a research program, a program of scholarly postgraduate work concerned with significant aspects of industrial, commercial or professional activity. Such approval must be sought from the Research Management Committee at the time of application for registration or when approval to modify the course of study is sought. At the same time, arrangements for the examination of such candidates should be proposed for approval by the Research Management Committee, including details of the form which the candidate’s presentation is expected to take.

4. Period of time for completion of course of study.

4.1 A full-time candidate who does not hold a Masters degree appropriate to the course of study will normally be required to complete a period of registration of at least 30 months before submitting the thesis for examination. The corresponding period in the case of a part-time candidate shall be 42 months. In special cases the Research Management Committee may approve a shorter period.

4.2 A holder of a Masters degree appropriate to the course of study may submit the thesis for examination after not less than 24 months of registration if a full-time student, or 36 months if a part-time student. In special cases the Research Management Committee may approve a shorter period.

4.3 Without the permission of the Research Management Committee, no full-time candidate for the degree of PhD shall submit a thesis for examination more than 48 months from the date on which registration in the program was granted. The corresponding period in the case of a part-time candidate shall be 60 months.

4.4 Where a candidate wishes to change from full-time to part-time registration or vice versa, application must be made in writing to the Research Management Committee. All such applications must specify the revised date of expected completion.

4.5 Where application is made for permission to extend the period within which the candidate may submit a thesis for examination, details of the candidate’s progress shall be presented to the Research Management Committee, together with the reasons for the delay in completing the course and the expected date of completion. Where the Committee agrees to an extension, it may set a limit to the maximum period of registration in the PhD program.

5. Transfer of registration

5.1 A candidate registered for a Masters degree or a professional doctorate may apply for transfer to PhD candidature. An application will normally be approved only when the candidate is able to satisfy the requirements for confirmation of PhD registration (see Regulations 2.11 and 2.12). Where coursework has been undertaken as part of the Masters degree or professional doctorate, a transfer normally may be approved only if the candidate
has attained a grade point average of at least 5.00 on a seven point scale. Masters qualifying candidates must have confirmed Masters registration before applying for transfer to PhD candidature.

5.2 A candidate for a Masters or PhD degree at another recognised institution may apply for transfer to a PhD program at QUT if the requirements for confirmation of PhD registration can be satisfied.

5.3 Intending applicants for transfer shall develop, in consultation with their existing or preferred supervisors as appropriate, a full course of study (see Regulation 3).

5.4 Applications shall be made on the prescribed form to the Research Management Committee and shall consist of required administrative details, reasons for transfer and a full course of study. The Faculty shall first review the candidate’s progress and full course of study and append to the Application for Transfer a statement which sets out:

- the nature, duration and quality of the work already done, its relevance to the proposed PhD thesis and the recommended amount of credit
- appraisal of the candidate’s progress and suitability for transfer of candidature and confirmation of PhD registration
- the supervisors and their credentials
- whether the proposed research is within the aims and objectives and physical and human resources of the centre/research concentration area.

5.5 Research Management Committee may require changes to the full course of study and shall:

- approve the transfer of candidature, normally confirming PhD registration, and determine the amount of credit to be allowed and the date of registration, or
- not approve the transfer.

5.6 The periods of minimum and maximum time for presentation of the thesis shall be extended by eight months for candidates who were admitted to a Masters degree from a pass degree.

5.7 A candidate registered for the degree of PhD who is unable to complete the approved course of study may apply for transfer to an appropriate Masters degree.

6. Supervision

6.1 Normally two supervisors shall be appointed for each PhD candidate.

6.2 One supervisor shall be the principal supervisor, with responsibility for supervising the candidate on a frequent basis. The principal supervisor shall be a member of QUT staff. A principal supervisor normally shall have undertaken the successful supervision of research degree candidates. Where a principal supervisor is proposed who has not undertaken such supervision, an associate supervisor (see Section 6.3) should have had such experience.

6.3 An associate supervisor may be appointed either from QUT or from elsewhere. Where appropriate, more than one associate supervisor may be appointed. The Research Management Committee may approve the appointment as associate supervisor of a person without experience sufficient to satisfy appointment as a principal supervisor. Where collaboration has been arranged between QUT and another organisation, the latter is expected to recommend to the Committee a member of its staff as an associate supervisor.

6.4 The Research Management Committee must be satisfied regarding the qualifications and experience of all proposed supervisors.
6.5 The principal supervisor and candidate are required to report at six-monthly intervals on the prescribed form to the Research Management Committee on the candidate’s progress and research plans. Both reports shall be signed by the candidate and supervisor and submitted through the Head of School and the Director of the Centre or Research Concentration.

6.6 Faculties may develop internal policies and procedures for six-monthly review of candidate’s progress and may provide to the Research Management Committee reports and recommendations in addition to those of the candidate and supervisor.

6.7 The Research Management Committee shall:

- where the candidate’s performance is deemed satisfactory, approve continuation of the candidate, or
- where the candidate’s performance is deemed unsatisfactory
  - determine requirements to be placed on the student or such other action which it deems necessary to remedy the unsatisfactory situation, or
  - cancel a candidate’s registration (see Regulation 2.5)

and shall advise the candidate and principal supervisor in writing of any such decisions.

6.8 In the six-monthly report following a report of progress deemed unsatisfactory by the Research Management Committee, the candidate and principal supervisor shall comment on progress on any specified remedial action.

6.9 When a candidate’s progress has been unsatisfactory to the Research Management Committee in any two consecutive six-monthly reports during the candidature, the Research Management Committee shall normally cancel the registration of the candidate (see Regulation 2.5).

7. Place and conditions of work

7.1 The research program must normally be carried out under supervision in a suitable environment in Australia.

7.2 The Research Management Committee must be satisfied that arrangements as set out in these regulations regarding coursework, participation in scholarly activities, supervision, facilities and training in research methods may be made for the candidate, and that accommodation, equipment and access to library and computing facilities meet the needs of the approved course of study.

8. Thesis

8.1 The thesis must be presented in accordance with the requirements of the Council, including any accompanying declarations (see Section 1).

8.2 Except with the specific permission of the Research Management Committee, the thesis must be presented in the English language. Such permission must be sought at the time of application for registration, and will not be granted solely on the grounds that the candidate’s ability to satisfy the Examination Committee will be affected adversely by the requirement to present the thesis in English.

8.3 The thesis must include a statement of the objectives of the investigation, and must acknowledge published or other sources of information, together with any substantial financial assistance received.

8.4 Where a candidate’s research program forms part of a collaborative group project, the thesis must indicate clearly the candidate’s individual contribution and the extent to which co-workers contributed to the candidate’s program.
8.5 Subject to QUT's intellectual property policy, the copyright of the thesis is vested in the candidate.

8.6 Where a candidate or the sponsoring establishment wishes the thesis to remain confidential for a period of time after completion of the work, application for approval must be made to the Research Management Committee when the thesis is submitted. The period normally shall not exceed two years from the date on which the Examination Committee recommends acceptance of the thesis, during which time the thesis will be held on restricted access in the QUT library.

9. Examinations

9.1 Any fees payable in relation to the examination of a candidate shall be determined by the Council.

9.2 In order to determine whether the thesis is acceptable for examination by the Examination Committee, and subject to the provisions of Section 9.3, the candidate shall be examined orally by the Faculty to which he/she is attached. The examination will be based on:

- the work described in the thesis, and
- the field of study in which the investigation lies.

The Faculty shall advertise or otherwise arrange for the oral examination which should be attended by all available members of the Examination Committee. The examination shall be conducted by a panel of three nominated by the Faculty and chaired by the principal supervisor.

Fourteen days prior to the date of the oral examination sufficient copies of the thesis, bound in temporary cover, must be presented to the Chairperson of the Faculty examining panel so as to provide a copy for each member of the panel and each attending member of the Examination Committee. The Faculty examining panel shall use the prescribed form when advising the Faculty and the Research Management Committee that the thesis meets with their approval.

9.3 Where for good and sufficient reasons the Research Management Committee is satisfied that a candidate would be seriously disadvantaged if required to undergo an oral examination, an alternative form of examination may be approved. Such approval shall not be given solely on the grounds that the candidate's knowledge of the English language is inadequate (see Section 2.3).

9.4 The thesis shall normally be examined by an Examination Committee comprising at least two external examiners and not more than one internal examiner. The internal examiner normally shall chair the committee. If there is no internal examiner, then the Research Management Committee shall appoint a chairperson.

9.5 Subject to agreement between supervisors and not later than six months before the proposed date for the submission of the thesis, the principal supervisor is required to recommend to the Research Management Committee the composition of a proposed Examination Committee, together with the title of the candidate's thesis.

9.6 Four copies of the thesis in the required format must be presented to the Research Management Committee together with certification that the approved course of study has been completed and the thesis accepted by the Faculty to which the candidate is attached (see Section 9.2). Receipt of the thesis by the Research Management Committee shall constitute the submission of the candidate's thesis for examination.

9.7 The candidate's principal supervisor shall forward arrangements for examination of the thesis through the Faculty to the Research Management Committee for approval.
9.8 In exceptional circumstances, the Research Management Committee may act directly to make suitable arrangements for the examination of a candidate, including the selection of examiners.

9.9 Normally, examiners must agree to read and report upon the thesis within two months of its receipt.

9.10 The external examiners must be independent of both the University and the sponsoring establishment, if any.

9.11 External examiners should normally have substantial research experience in the area under investigation and be internationally recognised in the relevant field. It is recommended that at least one of the nominated external examiners is from an overseas university or equivalent research institution, although all of the examiners may be from Australian institutions provided they are recognised as international experts in the relevant field of research. At least one external examiner must also have had experience of examining research degree candidates at the doctoral level.

9.12 The internal examiner, if any, may not be an associate supervisor. However an associate supervisor may be Chair of the Examination Committee.

9.13 The internal examiner must have experience of research in the general field under investigation and, where practicable, should have specialist knowledge of the area in which the investigation was conducted.

9.14 The Research Management Committee shall provide the examiners with a copy of the thesis and of the Council’s PhD Regulations, and with any other relevant information.

9.15 When the examiners are in agreement with respect to the thesis, the Chairperson shall transmit the result of the examination on the prescribed form to the Chairperson of the Research Management Committee. The examiner’s report shall recommend:

(i) that the degree be awarded, with or without minor modifications to the thesis, or
(ii) that the candidate be re-examined, or
(iii) that the degree not be awarded.

If a candidate is required to revise and resubmit a thesis, the examiner’s reports will be made available to the candidate, the anonymity of the examiners being maintained.

When the recommendation is that the degree be awarded, the Chairperson must return an Examiners’ Report together with a certificate signed by each examiner recommending acceptance of the thesis in fulfilment of the conditions for the award of the PhD degree. A copy of the thesis, together with the certification by the Faculty examiners and the Examination Committee will then be lodged in the QUT library. A copy will be sent at the same time to the sponsoring establishment, if any.

9.16 If the examiners cannot reach agreement, they shall submit separate reports and recommendations to the Research Management Committee. In cases where the examiners’ reports differ, the Research Management Committee may request that the Chair of Examiners give expert opinion, in consultation with the other examiners, on any matter referred to them by the Committee related to a dispute, and to the extra work the candidate may be required to undertake. The Research Management Committee may then:

(i) not award the degree, or
(ii) accept a majority recommendation with or without the advice of a further external examiner.

9.17 A candidate who fails to satisfy the Research Management Committee at the first attempt may, on the recommendation of the examiners and with the approval of the
Research Management Committee, be re-examined not more than once. Application must be made to the Research Management Committee for approval of the re-examination arrangements.

9.18 Re-examination shall take place within 12 months from the date on which the candidate is advised in writing of such re-examination. The Research Management Committee may, on application by the candidate and supported by the principal supervisor, approve an extension of this period.

9.19 The examiners must give the candidate guidance on the deficiencies identified by the first examination.

9.20 The Research Management Committee may require that an additional external examiner be appointed for the re-examination.

9.21 Regulations applicable to examinations generally shall apply to the re-examination.

9.22 The examiners may recommend that a candidate who has been examined for the degree of PhD be awarded the degree of Master, provided that the candidate meets or can meet the requirements of a Masters program.

9.23 After the examination process is complete, examiners’ reports are to be made available to the candidate on request. The names of examiners will be released on request providing the examiner has indicated willingness to have his/her identity revealed to the candidate.

Master of Applied Science (Research)

Introduction

The objectives of the course are:

☐ to provide postgraduate educational opportunities in specialised fields of applied science and information technology by means of a program which involves either an original contribution to knowledge or an original application of existing knowledge

☐ to provide further education in research methods

☐ to enable graduates employed in industry to undertake further education by research and thesis

☐ to enable industrial organisations and other external agencies to sponsor a student research program under the control and supervision of the Faculty

☐ to further relationships between the University and industry or other external agencies engaged in applied science, to their mutual advantage.

1. General Conditions

1.1 The Council of the Queensland University of Technology was established in 1989 under the Queensland University of Technology Act 1988.

1.2 The Council’s power to approve recommendations from Faculty academic boards regarding the registration, supervision and examination of research degree candidates and to develop policy and procedure relating to research degrees is exercised through a Research Management Committee which shall be a subcommittee of Academic Committee.

1.3 Research Management Committee has delegated responsibility for day-to-day administration of research Masters degree courses to Faculty academic boards. Academic boards shall report biannually to the Research Management Committee on progress made by research Masters degree candidates.

1.4 Unless the context otherwise indicates or requires, the words ‘academic board’ and ‘Faculty’ shall refer to the Faculty in which the candidate registers.
1.5 In order to qualify for the award of the degree of Master of Applied Science, a candidate must:

- have completed the approved course of study under the supervision prescribed by the academic board,
- have submitted and the academic board accepted a thesis prepared under the supervision of the supervisor,
- have completed any other work prescribed by the academic board, and
- submit to the academic board a declaration signed by the candidate that he/she has not been a candidate for another tertiary award without permission of the academic board.

2. Registration

2.1 Applications shall be accepted subject to the availability of facilities and supervision.

2.2 Applications may be lodged with the Registrar at any time.

2.3 The minimum academic qualifications for admission to a program leading to a Master of Applied Science (Research) shall be:

- possession of a Bachelor degree in Information Technology, Health Science, Applied Science or other approved degree from the Queensland University of Technology, or
- possession of an equivalent qualification, or
- submission of such other evidence of qualifications as will satisfy the academic board that the applicant possesses the capacity to pursue the course of study.

2.4 Additional requirements for admission to a particular program may be laid down by the academic board.

2.5 In considering an applicant for registration the academic board shall, in addition to assessing the applicant's suitability, assess the proposed program and its relevance to the aims and objectives of the University.

2.6 A candidate may register either as a full-time or as a part-time student. To be registered as a full-time student, a candidate must be able to commit to the course not less than three-quarters of a normal working week, averaged over each year of candidacy. Such a student may not devote more than 300 hours annually to teaching activities, including preparation and marking.

2.7 A candidate may be internal or external. An external candidate is one whose program of research and investigation is based at a place of employment or sponsoring institution. Normally, support of the sponsoring institution for the candidate’s application is required for registration.

2.8 A candidate shall be registered initially as:

- a graduate student (provisional), or
- a graduate student.

A graduate student (provisional) becomes a graduate student when registration is confirmed. Applicants not holding an appropriate Honours degree or its equivalent shall normally be given provisional registration.

2.9 A candidate shall receive confirmed registration as a graduate student when he or she:

- has satisfied the requirements for admission and achieved by work and study a standard recognised by the academic board, or
- has been accepted for provisional registration in the Faculty and has achieved, by subsequent work and study, a standard recognised by the academic board.
has satisfied the academic board that he or she is a fit person to undertake the program
has satisfied the academic board that he or she can devote sufficient time to the research
and study.

2.10 The academic board may cancel a candidate’s registration if:

- after consulting a candidate’s supervisors and having taken account of all relevant
circumstances, the academic board is of the opinion that the candidate either has
effectively discontinued his or her studies or has no reasonable expectation of completing
the course of study within the maximum time allowed (see Section 4).

2.11 A candidate whose registration has lapsed or has been cancelled and who wishes
subsequently to re-enter the course to undertake a research program which is the same or
essentially the same as the previous program may be re-admitted under such conditions as
the academic board may prescribe.

3. Course of Study

3.1 A candidate for the degree of Master of Applied Science shall undertake a program of
research and investigation on a topic approved by the academic board. All projects should
be sponsored either by outside agencies such as industry, government authorities, or
professional organisations, or by the University itself.

3.2 The program must be such as to enable the candidate to develop and demonstrate a
level of scientific competence significantly higher than that expected of a first degree
graduate. The required competence normally would include mastery of relevant techniques,
investigatory skills, critical thinking, and a high level of knowledge in the specialist area.

3.3 A candidate may be required by the academic board to undertake an appropriate course
of study concurrently with the research program.

The course of study normally will include:

- a program of assessed coursework
- participation in University scholarly activities such as research seminars, teaching and
  publication
- regular face-to-face interaction with supervisors, and
- a program of supervised research and investigation.

3.4 Coursework at Masters level demands a capacity for critical analysis and a specialisation
of research interests not normally appropriate for an undergraduate program. Such
coursework may be conducted in a number of ways:

- as advanced lecture courses
- as seminars in which faculty and students present critical studies of selected problems
  within the subject field
- as independent study or reading courses, or
- as research projects conducted under faculty supervision.

In all cases, coursework will be based upon a formal syllabus setting out the educational
outcomes expected from the course, a list of topics to be covered, the prescribed reading
material and the method of assessment of progress through and at the end of the course.

3.5 Coursework will occupy not more than half of the total period of registration.

3.6 An application for registration should set out systematically and fully the candidate’s
intended course of study. The description should include the area of study within which
the candidate’s course lies, the coursework to be undertaken, the proposed title of the
thesis to be written, the aim of the proposed program of research and investigation, its background, the significance and possible application of the research program, and the research plan.

4. Period of Time for Completion of Course of Study

4.1 A full-time graduate student (provisional) shall not be eligible for confirmation of registration as a graduate student until a period of at least 12 months has elapsed from initial registration. The corresponding period in the case of a part-time student shall be at least 24 months.

4.2 A registered graduate student shall present the thesis for examination after a period of at least one year for a full-time student or two years for a part-time student has elapsed from the time of confirmed registration, except in the case of special permission granted under 4.4. In special cases the academic board may approve a shorter period.

4.3 A registered graduate student shall present the thesis for examination no later than two years if a full-time student or four years if a part-time student from the date of confirmed registration.

4.4 A registered graduate student who holds an Honours degree appropriate to the course of study may submit the thesis for examination after not less than one year of registration if a full-time student, or two years if a part-time student. In special cases the academic board may approve a shorter period.

4.5 Where application is made for permission to extend the period within which the candidate may submit a thesis for examination, details of the candidate's progress shall be presented to the academic board together with the reasons for the delay in completing the course and the expected date of completion. Where the academic board agrees to an extension, it may set a limit to the maximum period of registration in the program.

5. Supervision

5.1 For each candidate the academic board shall appoint one or more supervisors with appropriate experience provided that, where more than one supervisor is appointed, one shall be nominated as the Principal Supervisor and others as associate supervisors.

5.2 In the case of an internal student, the Principal Supervisor normally shall be from the academic staff of the school where the student carries out the work.

5.3 In the case of an external student, the Principal Supervisor normally shall be from the academic staff of the school supporting the work and at least one associate supervisor shall be from the sponsoring organisation.

5.4 At the end of each six-month period a student shall submit a report on the work undertaken to the Principal Supervisor and the Principal Supervisor shall submit a report to the academic board on the student's work. This report shall be seen by the student before submission to the academic board.

6. Place and Conditions of Work

6.1 The research program must normally be carried out under supervision in a suitable environment in Australia.

6.2 The academic board shall not admit a candidate to undertake a program of research based at the University unless it has received a statement from the Head of School and/or Director of Centre in which the study is proposed that, in his/her opinion, the applicant is a fit person to undertake a research program leading to the Masters degree, that the program is supported, and that the School/Department is willing to undertake the responsibility of supervising the applicant's work.
6.3 The academic board shall not admit a candidate to undertake a research program based at a sponsoring establishment unless it has received:

☐ a statement from the employer or director of the sponsoring institution that the applicant will be provided with facilities to undertake the research project and that he/she is willing to accept responsibility for supervising the applicant's work, and

☐ a statement from the Head of School or Director of Centre in which the study is proposed that, in his or her opinion, the applicant is a fit person to undertake a research program leading to the Masters degree, that the program is supported, and that after examination of the proposed external facilities and supervision, the School/Department is willing to accept the responsibility of supervising the work.

7. Thesis

7.1 In the form of presentation, availability and copyright, the thesis shall comply with the provisions of the document *Requirements for Presenting Theses*.

7.2 Not later than six months after confirmed registration the candidate shall submit the title of the thesis for approval by the academic board. After approval has been granted, no change shall be made except with the permission of the academic board.

7.3 The candidate shall give two months’ notice of intention to submit the thesis. Such notice shall be accompanied by the appropriate fee, if any.

7.4 The thesis shall comply with the following requirements:

☐ A significant portion of the work described must have been carried out subsequent to initial registration for the degree.

☐ It must describe a program of work carried out by the candidate, and must involve either an original contribution to knowledge or an original application of existing knowledge.

☐ It must reach a satisfactory standard of literary presentation.

☐ It shall be the candidate’s own account of the work. Where work is carried out conjointly with other persons, the academic board shall be advised of the extent of the candidate’s contribution to the joint work.

☐ The thesis shall not contain as its main content any work or material which the student has previously submitted for another degree or similar award.

☐ Supporting documents, such as published papers, may be submitted with the thesis if they have a bearing on the subject of the thesis.

☐ The thesis shall contain an abstract of not more than 300 words.

7.5 Except with the specific permission of the academic board, the thesis must be presented in the English language. Such permission must be sought at the time of application for registration, and will not be granted solely on the grounds that the candidate’s ability to satisfy the examiners will be affected adversely by the requirement to present the thesis in English.

7.6 Subject to QUT’s Intellectual Property policy, the copyright of the thesis is vested in the candidate.

7.7 Where a candidate or the sponsoring establishment wishes the thesis to remain confidential for a period of time after completion of the work, application for approval must be made to Research Management Committee when the thesis is submitted. The period normally shall not exceed two years from the date on which the examiners recommend acceptance of the thesis, during which time the thesis will be held on restricted access in the QUT Library.
8. Examination of Thesis
8.1 The academic board shall appoint at least two examiners of whom at least one shall be from outside the University.
8.2 Normally, examiners must agree to read and report upon the thesis within two months of its receipt.
8.3 A candidate may be required to make an oral defence of the thesis.
8.4 On receipt of satisfactory reports from the examiners, and when the provisions of Section 7.1 have been fulfilled, the academic board shall recommend to Academic Committee that the candidate be awarded the degree.
8.5 If the examiners' reports are conflicting, the academic board may, after appropriate consultation with the Principal Supervisor:
□ seek advice from a further external examiner, or
□ not award the degree.
8.6 If, on the basis of the examiners' reports, the academic board does not recommend that the degree be awarded then it shall:
□ permit the candidate to resubmit the thesis within one year for re-examination, or
□ cancel the candidate's registration.

■ Master of Public Policy (IF64)
Location: Gardens Point campus (elective units may be offered on other campuses)
Course Duration: 3 semesters full-time, 6 semesters part-time
Total Credit Points: 144
Course Coordinator: To be advised

This degree is administered by the School of Management in the Faculty of Business, with the participation of the Faculties of Arts, Built Environment and Engineering, Education, Health, Information Technology, Law and Science.

The normal duration of the course is three semesters for full-time students. The third semester is devoted to the dissertation, which may be undertaken in a summer semester, enabling the course to be completed in one calendar year. The normal duration for part-time students is six semesters. If the dissertation is undertaken over two summer semesters, the course may be completed, part-time, in two calendar years.

Entry Requirements
Applicants for admission to candidature for the degree of Master of Public Policy normally should have at least two years' relevant professional experience, and a Bachelor degree, or equivalent, with a grade point average of 5 or above.
Alternatively, candidates who produce evidence of other qualifications and experience which are considered by the Dean to qualify the candidate for admission may be accepted.

Course Structure
The program structure is divided into two parts. The first part is composed of the eight units, as specified below. The second part consists of the dissertation with a weight of 48 credit points. Each unit will normally have a credit value of 12 points, though, at the discretion of the Course Coordinator, provision can be made for units with a credit value of more or less than 12 credit points provided the total of credit points for coursework units is 96.
The taught units comprise a common core of five units, totalling 60 credit points, plus 36 credit points of applied policy electives selected from an approved list of units, for a total of 96 credit points. Elective, applied policy units will be available from Faculties and Schools participating in the program.

The initial list of elective units is provided below, grouped into policy specialisations. The list of units available will vary over time as schools add and delete relevant units, depending upon demand. As noted above, students must do 36 credit points of electives. Within this 36 credit points, students must undertake a minimum of 24 credit points from one specialisation. The remaining 12 credit points may be taken from the selected specialisation or from any of the other listed specialisations. Students may select any of the listed units provided that they have the necessary prerequisites.

Students who successfully complete the taught units, normally with a GPA of at least 4.0, are required to write a dissertation on an area of interest in the public policy field of not more than 30,000 words.

Credit and/or unit substitutions may be granted up to a maximum of 48 credit points with the approval of the Course Coordinator. In the case of unit substitutions, the substituted unit will be a policy oriented unit chosen by the student and subject to the approval of the Course Coordinator.

All students undertake a research dissertation. Each student will be assigned to a supervisor, subject to the approval of the Course Coordinator, in consultation with the relevant Head of School. In general, the supervisor will be responsible for providing guidance in relation to the choice, preparation and submission of the dissertation. Both supervisor and student will observe QUT's Code of Good Practice in relation to the duties of a supervisor and student (refer to the University Manual of Policy and Procedures (MOPP), Appendix 66). The dissertation will be presented in accord with QUT policy, as listed in the MOPP, Appendix 51.

Supervisors shall be appointed when students commence the Research Seminar unit. The supervisor shall not be an examiner of the dissertation. The dissertation will be examined by an examining committee of at least three, appointed by the Dean, and consist of at least two examiners, one of whom may be external to the University, plus the Course Coordinator, who will act as chair of the examining committee.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<td>MGN516</td>
<td>Policy Analysis</td>
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<td>3</td>
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<td>MGN517</td>
<td>Program Management &amp; Evaluation</td>
<td>12</td>
<td>3</td>
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<td></td>
<td>EFN403</td>
<td>Economics and Public Policy</td>
<td>12</td>
<td>3</td>
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<td>MGN522</td>
<td>Research Seminar</td>
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<td>3</td>
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<td>LWS010</td>
<td>Public Law</td>
<td>12</td>
<td>3</td>
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### Part-Time Course Structure

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**Applied Policy Elective Specialisations**

The applied policy electives offer a wide range of choice to the student. At present the following specialisations are available. Apart from a wide range of available policy areas, those students wishing to develop specific skills in the area of financial analysis and management may wish to select the financial management specialisation option which has been provided.

**Economic Policy**

- EFN404: Environmental Economics and Policy 12 3
- EFN408: Special Topic – Economics, Banking & Finance 12 3
- EFN502: Developments in Microeconomic Theories 12 3
- EFN500: Contemporary Macroeconomic Theories 12 3
- MIN403: Business in Asia 12 3
- MIN404: Business in Europe 12 3
- MIN405: Business in North America 12 3

**Education Policy**

- CPN604: Equity & Educational Management: Issues & Strategies 12 3
- CPN607: Global Change, Diversity & Education 12 3
- CPN608: Gender Equity and Education Policy 12 3
- CPN609: Policy for Practitioners 12 3
- CPN610: Youth Policies and Post-compulsory Education 12 3
- EAN602: Early Childhood Services and Policies 12 3

**Environmental Policy**

- EFN404: Environmental Economics and Policy 12 3
- LWN049: International Environmental Law 12 2
- LWN060: Environmental Legal System 12 2
- LWN061: Natural Resources Law 12 2
- LWN062: Federal Environmental Law 12 2

**Financial Management**

- AYN403: Accounting Principles 12 3
- AYN428: Management Accounting 12 3
- EFN400: Advanced Capital Budgeting 12 3
- EFN401: Advanced Financial Institutions Management 12 4
- EFN406: Managerial Finance 12 3
- EFN408: Special Topic – Economics, Banking & Finance 12 3
- EFN501: Corporate & Commercial Lending 12 3
- EFN503: Economic & Financial Modelling 12 3
- EFN505: Financial Risk Management 12 3
- EFN506: International Finance 12 3

**Health Policy**

- PUN601: Contemporary Health Policies 12 3
- PUN608: Economics and Health 12 3
- PUN610: Health Services Management 12 3
- PUN612: Advanced Health Evaluation 12 3
<table>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PUN613</td>
<td>Public Health Interventions: Principles and Practice</td>
<td>12</td>
</tr>
<tr>
<td>PUN692</td>
<td>Health Care Delivery Systems</td>
<td>12</td>
</tr>
<tr>
<td>PUP010</td>
<td>Health in Australian Society</td>
<td>12</td>
</tr>
<tr>
<td>PUP022</td>
<td>Health Promotion Concepts and Policy: A Critical Analysis</td>
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**Housing and Urban Policy**

<table>
<thead>
<tr>
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<tr>
<td>CEP131</td>
<td>Engineering Management and Administration</td>
<td>12</td>
</tr>
<tr>
<td>PSN111</td>
<td>Comparative Planning Theory</td>
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<tr>
<td>PSN112</td>
<td>Concentration Studies</td>
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<tr>
<td>PSN114</td>
<td>Metropolitan Planning Practice and Law</td>
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<td>PSN123</td>
<td>Planning in Developing Countries</td>
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<tr>
<td>PSN124</td>
<td>Option Course</td>
<td>12</td>
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<tr>
<td>PSN125</td>
<td>Housing Policy &amp; Housing Problems: An International Perspective</td>
<td>12</td>
</tr>
<tr>
<td>PSN126</td>
<td>Australian Housing System and Policies</td>
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<td>PSP434</td>
<td>Urban Services and Functions</td>
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**Human Resources and Industrial Relations Policy**

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<tbody>
<tr>
<td>GSN205</td>
<td>Managing Human Resources</td>
<td>12</td>
</tr>
<tr>
<td>MGN410</td>
<td>Labour-Management Relations</td>
<td>12</td>
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<tr>
<td>MGN504</td>
<td>Business Policy</td>
<td>12</td>
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<tr>
<td>MGN407</td>
<td>Industrial Relations Strategies and Policies</td>
<td>12</td>
</tr>
<tr>
<td>MGN405</td>
<td>Industrial Relations and the Economy</td>
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**Industry Policy**

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<tbody>
<tr>
<td>EFN404</td>
<td>Environmental Economics and Policy</td>
<td>12</td>
</tr>
<tr>
<td>MIN401</td>
<td>Australian Foreign Affairs and Business</td>
<td>12</td>
</tr>
<tr>
<td>MIN403</td>
<td>Business in Asia</td>
<td>12</td>
</tr>
<tr>
<td>MIN404</td>
<td>Business in Europe</td>
<td>12</td>
</tr>
<tr>
<td>MIN405</td>
<td>Business in North America</td>
<td>12</td>
</tr>
<tr>
<td>MIN430</td>
<td>The Arts Industry</td>
<td>12</td>
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<tr>
<td>MIN431</td>
<td>Tourism Development</td>
<td>12</td>
</tr>
<tr>
<td>MIN433</td>
<td>Tourism: National and International</td>
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**Information Technology and Communication Policy**

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<tr>
<td>ITN220</td>
<td>Major Issues in Information Systems</td>
<td>12</td>
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<tr>
<td>ITN340</td>
<td>Information Agencies</td>
<td>12</td>
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<tr>
<td>ITN341</td>
<td>Information Policy &amp; Planning</td>
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<td>MJP102</td>
<td>Media Policy Environment</td>
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**Public Policy in the International Context**

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<tr>
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<td>Special Topic -- International Business</td>
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<tr>
<td>MIN406</td>
<td>Comparative Regulatory Systems</td>
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<tr>
<td>MIN401</td>
<td>Australian Foreign Affairs and Business</td>
<td>12</td>
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<tr>
<td>MIN403</td>
<td>Business in Asia</td>
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<tr>
<td>MIN404</td>
<td>Business in Europe</td>
<td>12</td>
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<td>MIN405</td>
<td>Business in North America</td>
<td>12</td>
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<tr>
<td>EFN506</td>
<td>International Finance</td>
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<td>MGN401</td>
<td>Comparative Industrial Relations</td>
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<td>LWN049</td>
<td>International Environmental Law</td>
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**Science and Technology Policy**

<table>
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<tbody>
<tr>
<td>CHP920</td>
<td>Technology Assessment and Forecasting</td>
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<tr>
<td>MGN523</td>
<td>Science and Technology Policy</td>
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</table>

### Master of Quality (IF66)

This course is currently being revised. Enrolled students should consult the 1995 Handbook for continuing course information.

### Graduate Diploma in Quality (IF69)

This course is currently being revised. Enrolled students should consult the 1995 Handbook for continuing course information.
Honours Degrees

1. General
1.1 These regulations apply to Honours degrees consisting of an additional year of full-time study (or equivalent) following completion of an undergraduate pass degree. The policy does not apply to pass degrees which may be awarded with Honours.

1.2 Faculties are required to make a submission to Academic Committee for an Honours program in the form of a new course proposal. Such a proposal should seek approval for a single Honours program covering the full range of majors offered within an undergraduate award, whether or not all majors are to be offered at Honours level.

1.3 Faculties are expected to produce statements of procedures to be read with, or which may incorporate, this policy statement.

1.4 Each Honours program will be assigned a separate quota.

2. Admission to an Honours Degree
2.1 Students who wish to undertake an Honours program should normally apply for admission to it at the end of the final year of their pass degree, or within 18 months of completing that degree.

2.2 In order to be considered eligible for admission, students should have attained a grade point average of at least 5.0 or an average grade of credit over the entire basic course, including grades of at least credit in all units directly relevant to, or specified as prerequisite for, the proposed Honours program.

2.3 However, students who have demonstrated outstanding performance in only the final year of a degree, or whose application is based on other factors including work experience or involvement in research, may be admitted at the discretion of the Dean.

3. Duration
3.1 Except in special circumstances as approved by the Dean, the requirements for an Honours degree must be completed within two successive years following first enrolment.

4. Program Requirements
4.1 Honours programs must comprise one year of full-time study or equivalent with at least 25 per cent but not more than 50 per cent of the credit points associated with the course to be allocated to a project or dissertation.

4.2 Faculties are responsible for providing candidates with program outlines which specify the distribution of credit point load between project/dissertation and coursework, the procedure for project or dissertation approval and a concise statement of Faculty requirements, supervision arrangements, and procedures for examining project reports and dissertations.

5. Unsatisfactory Progress
5.1 Failure to make satisfactory progress with either the coursework component of an Honours program or with the project/dissertation, or both, may lead to exclusion from the program.

5.2 Unsatisfactory progress consists of:
- receiving a grade of less than 4 (or 'Satisfactory', where applicable) in one unit of the coursework component
- failure to make sufficient progress with the project or dissertation component, in the opinion of the Dean.
5.3 A student who is excluded from or otherwise fails to complete an Honours program will not normally be readmitted to that program.

6. Assessment
6.1 The minimum grade which may be credited towards an Honours degree is 4 (or ‘Satisfactory’, where applicable).
6.2 A minimum of three copies of a dissertation should be presented to the supervisor for examination. Dissertations should be temporarily bound in order to facilitate the making of any revisions and editorial changes required by examiners before final printing and binding.
6.3 Project reports and dissertations will be examined by an examining committee appointed by the Dean and consisting of at least two examiners, one of whom may be external to the University. The supervisor of the candidate’s work may be a member of the committee but may not chair the committee or act as the primary examiner.

7. Determination of Level of Honours Awards
7.1 The Faculty academic board, on advice from the School, will determine the level of Honours to be awarded.
7.2 Honours degrees will be awarded at the following levels after account is taken of the candidate’s performance in all units and appropriate weight applied to the project or dissertation:

<table>
<thead>
<tr>
<th>Honours Level</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honours 1</td>
<td>First Class Honours</td>
</tr>
<tr>
<td>Honours 2A</td>
<td>Second Class Honours, Division A</td>
</tr>
<tr>
<td>Honours 2B</td>
<td>Second Class Honours, Division B</td>
</tr>
<tr>
<td>Honours 3</td>
<td>Third Class Honours</td>
</tr>
</tbody>
</table>

7.3 The level of Honours award is to be determined by guidelines, as follows:

- **Honours 1**: Grade point average of 6.50-7.00, or equivalent
- **Honours 2A**: Grade point average of 5.50-6.49, or equivalent
- **Honours 2B**: Grade point average of 4.50-5.49, or equivalent
- **Honours 3**: Grade point average of 4.00-4.49, or equivalent

7.4 A candidate who does not reach the standard required for Honours 3 remains with a pass degree.

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**Bachelor of Applied Science/Bachelor of Laws (IF34)**

**Location**: Gardens Point campus

**Course Duration**: 5 years full-time

**Total Credit Points**: 528

**Standard Credit Points/Full-Time Semester**: 52.8

**Course Coordinators**:  
Science: Dr Don Field  
Law: Professor Malcolm Cope

**Professional Recognition**

For information on the academic requirements of the Solicitors’ or Barristers’ Board of Queensland please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of the Handbook.
**Full-Time Course Structure**

For detailed information on the range and availability of units within the applied sciences refer to the entry for Bachelor of Applied Science (SC30) in the Faculty of Science section.

### Year 1, Semester 1
- **LWB130** Introduction to Study in Law (2 weeks)
- **LWB131/1** Law in Context 12 3
- **LWB134** Research & Legal Reasoning 12 3
- **LWB131 First Schedules** 36

### Year 1, Semester 2
- **LWB131/2** Law in Context 12 3
- **LWB135** Legislation 12 3
- **LWB131 First Schedules** 36

### Year 2, Semester 1
- **LWB132/1** Contracts 12 3
- **LWB132 Second Schedules** 36

### Year 2, Semester 2
- **LWB132/2** Contracts 12 3
- **LWB132 Second Schedules** 36

### Year 3, Semester 1
- **LWB133/1** Torts 12 4
- **LWB232/1** Criminal Law & Procedure 12 3
- **LWB232 Third Schedules** 24

### Year 3, Semester 2
- **LWB133/2** Torts 12 4
- **LWB232/2** Criminal Law & Procedure 12 3
- **LWB232 Third Schedules** 24

### Year 4, Semester 1
- **LWB231** Introduction to Public Law 12 3
- **LWB233/1** Property 1 12 3
- **LWB234/1** Equity & Trusts 12 3
- **LWB332** Property 2 12 3
- **LWB331** Administrative Law 12 3

### Year 4, Semester 2
- **LWB233/2** Property 1 12 3
- **LWB234/2** Equity & Trusts 12 3
- **LWB235** Australian Federal Constitutional Law 12 3
- **LWB333** Theories of Law 12 3
- **LWB334** Corporate Law 12 3

### Year 5, Semester 1
- **LWB431** Civil Procedure 12 3
- **LWB432** Evidence 12 3
- **Elective Units** 24

### Year 5, Semester 2
- **LWB433** Professional Responsibility 12 3
- **LWB434** Advanced Research & Legal Reasoning 12 3
- **Elective Units** 24

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1. Students will be required to attend an advisory session with an academic adviser to select their Science units.

2. A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units offered by other Faculties or Schools but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
Elective Units
For availability of law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester is dependent upon sufficient minimum enrolments in the unit and the availability of staff. The selection of all elective units is subject to the approval of the Associate Dean of the Faculty of Law.

Cooperative Education Program
Any student who has completed the first three years of the course normally with a GPA of not less than 4.5 overall, may, at the discretion of the Assistant Dean – Academic Affairs in the Faculty of Science and the Associate Dean in the Faculty of Law, undertake a Cooperative Education option. This involves 10–12 months of paid full-time employment in an approved industrial/commercial environment during which time the student is enrolled in the unit SCB100 Cooperative Education. On completion of the approved cooperative education placement the student resumes formal studies.

Bachelor of Applied Science (Mathematics)/Bachelor of Information Technology (IF58)

Location: Gardens Point campus
Course Duration: 4 years full-time
Total Credit Points: 420
Standard Credit Points/Full-Time Semester: 52.5 (average)
Course Coordinators:
Mathematics: Mr Gary Carter
Information Technology: Professor Colin Boyd

Course Structure
Students must complete at least 120 credit points from List C and List D Mathematics units with at least 48 units from List D.

Cooperative Education Program
An optional one-year paid work experience is available to eligible students at the end of the third year of full-time study. Students participating in this program enrol in ITB904 - Industrial Training Experience, a 24 credit point unit.

Note: A minimum grade of 4 is normally required to fulfil the prerequisite requirements for all units in the course.

Common First Year

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSB155 Introduction to Computing</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>ITB210 Formal Representation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MAB301 Calculus &amp; Analysis A</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>MAB303 Algebra &amp; Analysis B</td>
<td>12</td>
<td>4</td>
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<tr>
<td>MAB347 Statistics IA</td>
<td>12</td>
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<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB412 Technology of Information Systems</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB102 Laboratory 2 (Computer Applications)</td>
<td>12</td>
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</table>
INFORMATION TECHNOLOGY PRIMARY MAJOR
At the end of the Common First Year, students choose an Information Technology Primary Major. Primary Majors are available in the following areas:
A: Computing Science
B: Data Communications
C: Database Systems (subject to final approval)
D: Information Management
E: Information Systems
F: Software Engineering

A: Computing Science Primary Major
Major Coordinator: Dr Gerard Finn

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>BSB118 Business Communication &amp; Application Systems</td>
<td>12</td>
<td>3</td>
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<tr>
<td>ITB421 Data Structures &amp; Algorithms</td>
<td>12</td>
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<tr>
<td>ITB422 Laboratory 3 (ADTs in a Unix environment)</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MAB321 Computational Mathematics 1</td>
<td>12</td>
<td>4</td>
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<tr>
<td>MAB348 Statistics 1B</td>
<td>12</td>
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<tbody>
<tr>
<td>ITB424 Software Engineering Principles</td>
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<tbody>
<tr>
<td>ITB420 Computer Architecture</td>
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<td>ITB423 Laboratory 4 (Software Development)</td>
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<td>ITB430 Concurrent Systems</td>
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<td>ITB431 Programming Language Paradigms</td>
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<tr>
<td>Extended Major/Minor Options Unit</td>
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B: Data Communications Primary Major
Major Coordinator: Mr Neville Richter
### Full-Time Course Structure

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<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>BSB118 Business Communication &amp; Application Systems</td>
<td>12</td>
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<tr>
<td>ITB422 Data Communications</td>
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<tr>
<td>ITB520 Data Communications</td>
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<tr>
<td>MAB321 Computational Mathematics 1</td>
<td>12</td>
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<td>MAB348 Statistics 1B</td>
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<th>Credit Points</th>
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<tbody>
<tr>
<td>ITB521 Laboratory 3 (Computer Networks)</td>
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<td>ITB522 Advanced Data Communications</td>
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<td>MAB620 Finite Mathematics</td>
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<tr>
<td>ITB530 Transport Protocols</td>
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<td>ITB531 Applications Services</td>
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<tr>
<td>MAB630 Linear Algebra and Its Applications</td>
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<tr>
<td>MAB637 Operations Research 1A</td>
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<th>Credit Points</th>
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<td>ITB532 Laboratory 4 (Network Management)</td>
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<td>MAB638 Operations Research 1B</td>
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<tbody>
<tr>
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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tr>
<td>Mathematics unit selected from List D</td>
<td>12</td>
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</tbody>
</table>

**Data Communications Elective Unit**
Subject to the approval of the Major Coordinator, students may choose the elective from Data Communications extended majors or minors or, depending on the course program choice, from other Schools within the Faculty.

**C: Database Systems Primary Major (subject to final approval)**

**Major Coordinator:** Mr. David Edmond

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>BSB118 Business Communication &amp; Application Systems</td>
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<td>ITB220 Database Design</td>
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<tr>
<td>ITB222 Systems Analysis &amp; Design 1</td>
<td>12</td>
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<td>MAB321 Computational Mathematics 1</td>
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<tbody>
<tr>
<td>ITB221 Lab 3 (Commercial Programming)</td>
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<tr>
<td>ITB246 Unix &amp; C</td>
<td>12</td>
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### Year 3, Semester 1
- ITB233  File Structures  
- ITB236  Object-Oriented Analysis & Design  
  - Mathematics unit selected from List C  
  - Mathematics unit selected from List C

### Year 3, Semester 2
- ITB232  Database Management  
- ITB249  The Theoretical Foundations of Database Systems  
  - Mathematics unit selected from List C  
  - Mathematics unit selected from List C

### Year 4, Semester 1
- Extended Major/Minor Options Unit  
- Mathematics unit selected from List D

### Year 4, Semester 2
- Extended Major/Minor Options Unit  
- Mathematics unit selected from List D

---

### D: Information Management Primary Major

**Major Coordinator:** Mr Michael Middleton

**Full-Time Course Structure**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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#### Year 2, Semester 1
- BSB118  Business Communication & Application Systems  
- ITB310  Information Management 1  
- MAB321  Computational Mathematics 1  
- MAB348  Statistics 1B

#### Year 2, Semester 2
- ITB220  Database Design  
- ITB520  Data Communication  
  - Mathematics unit selected from List C  
  - Mathematics unit selected from List C

#### Year 3, Semester 1
- ITB320  Laboratory 3 (Database Applications)  
- ITB321  Systems Analysis  
- ITB322  Information Resources  
  - Mathematics unit selected from List C  
  - Mathematics unit selected from List C

#### Year 3, Semester 2
- ITB323  Laboratory 4 (Information Support Methods)  
  - Extended Major/Minor Options Unit  
  - Mathematics unit selected from List C  
  - Mathematics unit selected from List C

#### Year 4, Semester 1
- ITB330  Information Issues & Values  
- ITB331  Information Management 2  
  - Mathematics unit selected from List D  
  - Mathematics unit selected from List D

#### Year 4, Semester 2
  - Extended Major/Minor Options Unit  
  - Extended Major/Minor Options Unit  
  - Mathematics unit selected from List D  
  - Mathematics unit selected from List D
E: Information Systems Primary Major

Major Coordinator: Mr Hamish Bentley

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester 1</th>
<th>Course</th>
<th>Credits</th>
<th>Hours/Wk</th>
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<td>ITB520 Data Communications</td>
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<td>MAB348 Statistics 1B</td>
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<td>Year 2, Semester 2</td>
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F: Software Engineering Primary Major

Major Coordinator: Mr Richard Thomas

Full-Time Course Structure

<table>
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<td>ITB421 Data Structures &amp; Algorithms</td>
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<td>MAB321 Computational Mathematics 1</td>
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<td>MAB348 Statistics 1B</td>
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<td>Year 2, Semester 2</td>
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<td>ITB424 Software Engineering Principles</td>
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<td>Year 3, Semester 1</td>
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<td></td>
<td>ITB454 Software Quality Assurance</td>
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Year 3, Semester 2
- ITB423 Laboratory 4 (Software Development) 12 3
- ITB455 Integrated Software Engineering Environments 12 3

Year 4, Semester 1
- Extended Major/Minor Options Unit 12 3
- Mathematics unit selected from List C 12 4

Year 4, Semester 2
- Extended Major/Minor Options Unit 12 3
- Mathematics unit selected from List C 12 4

LIST C: MATHEMATICS UNITS
Semester 1
- MAB601 Multivariable Calculus 12 4
- MAB618 Computational Mathematics 2 12 4
- MAB630 Linear Algebra & Its Applications 12 4
- MAB637 Operations Research IA 12 4
- MAB641 Actuarial Mathematics 12 4
- MAB647 Statistics 2A 12 4
Semester 2
- MAB612 Differential Equations 12 4
- MAB618 Computational Mathematics 2 12 4
- MAB620 Finite Mathematics 12 4
- MAB632 Mathematical Modelling 12 4
- MAB637 Operations Research IA 12 4
- MAB638 Operations Research IB 12 4
- MAB642 Methods of Mathematical Economics 12 4
- MAB648 Statistics 2B 12 4

LIST D: MATHEMATICS UNITS
Statistics
Semester 1
- MAB907 Statistics 3A 12 4
- MAB970 Probability Theory & Stochastic Processes 12 4
- SCB510 Introduction to Quality Management 12 4
Semester 2
- MAB908 Statistics 3B 12 4
- MAB929 Time Series & Statistical Forecasting 12 4
- MAB974 Sampling & Survey Techniques 12 4
Quantitative Analysis
Semester 1
- MAB927 Operations Research 2A 12 4
- MAB941 Mathematical Modelling in Economics 12 4
Semester 2
- MAB928 Operations Research 2B 12 4
- MAB971 Advanced Mathematics of Finance 12 4
Applicable Mathematics
Semester 1
- MAB911 Computational Maths 3A 12 4
- MAB933 Mathematical Biology 12 4
- MAB942 Optimisation Methods 12 4
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**Other Options**

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**Semester 2**

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<td>Project Work</td>
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**Information Technology Extended Major/Minor Options**

Either:

1. Extended Major (48 credit points)

OR

2. A Minor (48 credit points)

OR

3. Cooperative Education Program and 2 units (48 credit points) – Eligible students only

**EXTENDED INFORMATION TECHNOLOGY MAJORS**

**A: COMPUTING SCIENCE EXTENDED MAJOR**

(for Computing Science primary major students only)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language &amp; Language Processing</td>
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<td>Project</td>
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<tr>
<td>Computing Science Elective Unit</td>
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<td>Computing Science Elective Unit</td>
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**Computing Science Electives**

**First Semester Electives**

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<th>Course</th>
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<th>Notes</th>
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<tbody>
<tr>
<td>Graphics</td>
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<td>3</td>
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<tr>
<td>Foundations of Artificial Intelligence</td>
<td>12</td>
<td>3</td>
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<tr>
<td>Systems Programming</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Special Studies 1</td>
<td>12</td>
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<td>Object Technology</td>
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<td>Software Quality Assurance</td>
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<td>3</td>
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<tr>
<td>Functional Programming</td>
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<td>3</td>
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<tr>
<td>Foundations of Neurocomputing</td>
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<td>Foundations of Pattern Recognition</td>
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**Second Semester Electives**

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<td>Special Studies 2</td>
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<td>Expert Systems</td>
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<td>Project</td>
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<tr>
<td>Project</td>
<td>24</td>
<td></td>
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<tr>
<td>Integrated Software Engineering Environment</td>
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<td>3</td>
</tr>
<tr>
<td>Intelligent Graphic User Interfaces</td>
<td>12</td>
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</tr>
</tbody>
</table>

**B: DATA COMMUNICATIONS EXTENDED MAJOR**

(for Data Communications Primary Major students only)

Students may select one of the following three extended majors:

**1a: Data Communications Extended Major (Network Systems)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
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</thead>
<tbody>
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<td>Project</td>
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<tr>
<td>Data Communications Elective Unit</td>
<td>12</td>
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</tbody>
</table>
1b: Data Communications Extended Major (Telecommunications)
ITB534 Telecommunications Modelling 12 3
ITB544 Project 12
Data Communications Elective Unit 12 3
Data Communications Elective Unit 12 3

1c: Data Communications Extended Major (Information Security)
ITB544 Project 12
ITB548 Introduction to Cryptology 12 3
ITB549 Error Control & Data Compression 12 3
Data Communications Elective Unit 12 3

Data Communications Elective Units
Students may choose electives from any unit offered within the Data Communications major and extended majors plus the units listed below (the offering of elective units depends on sufficient minimum enrolments and availability of staff).
BSB115 Management, People & Organisations 12 3
ITB448 Object Technology 12 3
ITB541 Transmission Techniques 12 3
ITB543 Information Security 12 3

C: INFORMATION MANAGEMENT EXTENDED MAJOR
(for Information Management Primary Major students only)
ITB340 Project 12
ITB341 Information Management 3 12 3
SSB937 Applied Cognitive Psychology 12 3
Information Management Elective Unit 12 3

D: INFORMATION SYSTEMS EXTENDED MAJOR
(for Information Systems Primary Major students only)
Students may select one of the following two extended majors:

Information Systems Extended Major 1
ITB232 Database Management 12 3
ITB240 Project 12
ITB241 Information Systems Management 12 3
Information Systems Elective Unit 12 3

Information Systems Electives
First Semester Electives
ITB231 Applications Development 12 3
ITB236 Object-oriented Analysis & Design 12 3
ITB242 Decision Support Systems 12 3
ITB244 Special Topic 1 12 3
ITB247 Project 12

Second Semester Electives
ITB235 Multimedia Systems Technologies 12 3
ITB243 Knowledge-Based Systems 12 3
ITB243 Special Topic 2 12 3
ITB246 Unix and C 12 3
ITB249 Theoretical Foundations of Database Systems 12 3

Information Systems Extended Major 2
ITB232 Database Management 12 3
ITB236 Object-oriented Analysis & Design 12 3
ITB243 Knowledge-based Systems 12 3
ITB249 Theoretical Foundations of Database Systems 12 3

E: SOFTWARE ENGINEERING EXTENDED MAJOR
(for Software Engineering Primary Major students only)
ITB446 Project 12
Software Engineering Electives

First Semester Electives
ITB220 Database Design 12 3
ITB420 Computer Architecture 12 3
ITB430 Concurrent Systems 12 3
ITB431 Programming Language Paradigms 12 3
ITB441 Graphics 12 3
ITB451 Project 24
ITB520 Data Communications 12 3

Second Semester Electives
ITB223 Laboratory 4 (4GL Programming) 12 3
ITB224 Systems Analysis & Design 2 12 3
ITB420 Computer Architecture 12 3
ITB430 Concurrent Systems 12 3
ITB431 Programming Language Paradigms 12 3
ITB440 Languages & Language Processing 12 3
ITB450 Advanced Computer Architecture 12 3
ITB451 Project 24
ITB453 Project 24

Information Technology Minors (48 Credit Points)

Minors are available from other Faculties as well as from the Faculty of Information Technology. It is the responsibility of the student to check prerequisite requirements and the availability and suitability of minors prior to enrolment. The choice of minors is subject to the approval of the Course Coordinator.

COMPUTER SCIENCE MINORS

Computing Science Minor 1
(for Data Communications Primary Major students)
ITB421 Data Structures & Algorithms 12 3
ITB422 Laboratory 3 (ADTS in an Unix Environment) 12 3
Computing Science Elective Unit 12 3
Computing Science Elective Unit 12 3

Computing Science Minor 2
(for Information Management Primary Major students)
BSB115 Management, People & Organisations 12 3
ITB421 Data Structures & Algorithms 12 3
ITB422 Laboratory 3 (ADTS in an Unix Environment) 12 3
Computing Science Elective Unit 12 3

Computing Science Minor 3
(for Information Systems Primary Major students)
ITB421 Data Structures & Algorithms 12 3
ITB431 Programming Language Paradigms 12 3
Computing Science Elective Unit 12 3
Computing Science Elective Unit 12 3

Computing Science Minor 4
(for Software Engineering Primary Major students)
ITB420 Computer Architecture 12 3
ITB430 Concurrent Systems 12 3
ITB431 Programming Language Paradigms 12 3
Computing Science Elective Unit 12 3
### Computational Intelligence Minor
- ITB442 Foundations of Artificial Intelligence 12 3
- ITB461 Foundations of Neurocomputing 12 3
- plus two of:
  - ITB456 Intelligent Graphic User Interfaces 12 3
  - ITB462 Cognitive Systems 12 3
  - ITB463 Pattern Recognition 12 3

### DATA COMMUNICATIONS MINOR
(for non-Data Communications Primary Major students)
- ITB521 Laboratory 3 (Computer Networks) 12 3
- ITB522 Advanced Data Communications 12 3
- Data Communications Elective Unit 12 3
- Data Communications Elective Unit 12 3

### INFORMATION MANAGEMENT MINORS

#### Information Management Minor
(for non-Information Management Primary Major students)
- ITB323 Laboratory 4 (Information Support Methods) 12 3
- ITB330 Information Issues & Values 12 3
- ITB331 Information Management 2 12 3
- Information Management Elective Unit 12 3

#### Library Services Minor
- BSB115 Management, People & Organisations 12 3
- ITP327 Information Organisation 1 12 3
- ITP328 Information Sources 1 12 3
- ITP329 Information Resources Provision 12 3

#### Records Management Minor
- BSB115 Management, People & Organisations 12 3
- ITP312 Organisation of Knowledge 12 3
- ITP316 Field Experience 4
- ITP323 Introduction to Records Management 8 2
- Information Systems elective 12 3

### INFORMATION SYSTEMS MINORS

#### Information Systems Minor 1
(for Computing Science, Data Communications and Software Engineering Primary Major students)
- ITB220 Database Design 12 3
- ITB222 Systems Analysis & Design 12 3
- ITB241 Information Systems Management 12 3
- Information Systems Elective Unit 12 3

#### Information Systems Minor 2
(for Information Management Primary Major students)
- BSB115 Management, People & Organisations 12 3
- ITB242 Decision Support Systems 12 3
- Information Systems Elective Unit 12 3
- Information Systems Elective Unit 12 3

#### Information Systems Minor 3
(for Computing Science and Software Engineering Primary Major students)
- ITB221 Laboratory 3 (Commercial Programming) 12 3
- ITB236 Object-oriented Analysis & Design 12 3
- ITB243 Knowledge-based Systems 12 3
- ITB249 Theoretical Foundations of Database Systems 12 3
SOFTWARE ENGINEERING MINORS

Software Engineering Minor 1
(for Computing Science Primary Major students)

ITB448 Object Technology 12 3
ITB454 Software Quality Assurance 12 3
ITB455 Integrated Software Engineering Environment 12 3
ITB456 Intelligent Graphic User Interfaces 12 3

Software Engineering Minor 2
(for Data Communications, Database Systems, Information Management or Information Systems Primary Major students)

ITB421 Data Structure & Algorithms 12 3
ITB424 Software Engineering Principles 12 3
ITB448 Object Technology 12 3
ITB454 Software Quality Assurance 12 3
ITB455 Integrated Software Engineering Environment 12 3
ITB456 Intelligent Graphic User Interfaces 12 3

Select one of the following units:

ITB423 Laboratory 4 (Software Development) 12 3
ITB448 Object Technology 12 3
ITB455 Integrated Software Engineering Environment 12 3
ITB456 Intelligent Graphic User Interfaces 12 3

INFORMATION SYSTEMS/SOFTWARE ENGINEERING MINOR
(for Data Communications Primary Major students)

ITB220 Database Design 12 3
ITB222 Systems Analysis & Design 12 3
ITB420 Computer Architecture 12 3
ITB448 Object Technology 12 3

☐ Cooperative Education Program

(Elective Unit ITB904 – Industrial Training Experience)

Aims

The purpose of the Cooperative Education Program is to provide students within the Bachelor of Applied Science (Mathematics)/Bachelor of Information Technology experience of a real world environment prior to the study of the more advanced aspects of the course. This experience:

(i) enables the student to place the concepts learned in the first three years in context, and

(ii) provides an experience that will enhance the benefits obtained from early study.

The Cooperative Education period necessarily involves reorientation and on-the-job training but students are expected to apply study skills to the acquisition of the necessary knowledge and, in general, employers are not expected to provide formal training.

Selection Criteria

The Cooperative Education Program is available to full-time students enrolled in the sixth semester of the Bachelor of Applied Science (Mathematics)/Bachelor of Information Technology degree (IF58), i.e. who will have credit points in the range of 176–224 by the end of the year prior to the commencement of the program. Students are eligible to participate in the program if they have passed all units, or have a GPA (Grade Point Average) of at least 4.5. Students entering the course with exemptions for prior studies must have been exempted from no more than 96 credit points.

Features

The Cooperative Education Program is offered under the guise of the 24 credit point unit ITB904 Industrial Training Experience and has the following features:
The Faculty assists students to obtain suitable employment for the one-year period and also discusses the nature of the work to be undertaken with the employer. As employers choose their placements from interviews, the Faculty also arranges for students to attend sessions on interview techniques conducted by the Counselling Centre.

An academic member of staff normally visits the student once per semester and discusses progress with the student and a representative of the employer.

During the training period the student writes two reports on the experience, submits them to the employer for endorsement and comment, and then hands them to the Administration Officer (Academic), Faculty of Information Technology, for assessment. The reports should highlight different aspects of the period, and include comments and recommendations.

Students will be assessed as either satisfactory or unsatisfactory in this unit. A satisfactory grade will be granted on the basis of:

(i) satisfactory completion of an approved period of cooperative education, and
(ii) submission of satisfactory reports on the year's experience. The reports must be submitted not later than the due dates specified in the study guides.

A salary is paid to the student by the employer during this training period.

The Faculty carefully monitors all Cooperative Education placements and keeps a list of employers prepared to offer training. The Faculty makes its best endeavour to find suitable training places for all students who meet the selection criteria and elect to undertake this option.

It is intended that full-time students on the scheme will devote their prime efforts to the Industrial Training Experience and will not, therefore, be permitted to register for more than one other unit per semester during that year.

Notes

(i) Where there has been significant evidence of plagiarism or computer misuse by a student at any time during the course, no placement will be available to that student.

(ii) Part-time students may be eligible for credit for industry experience, subject to certain conditions. Students should consult the Administration Officer (Academic) in the Faculty of Information Technology for further information.

Bachelor of Applied Science (in Human Movement Studies)/Bachelor of Education (IF73)

Location: Kelvin Grove campus

Course Duration: 4 years full-time

Total Credit Points: 432

Standard Credit Points/Full-time Semester: 54 (average)

Course Coordinators:
Human Movement Studies: Dr Tom Cuddihy
Education: Mr John Whitta

Full-Time Course Structure

The order of Education Studies units may vary from that shown in semesters 6, 7 and 8 in years prior to 1998. All students are required to attend academic advising sessions to plan
their progression through the course and to obtain the approval of an academic adviser prior to any subsequent change of enrolment.

**Year 1, Semesters 1 and 2; Year 2, Semesters 1 and 2; Year 3, Semester 1**
Competition of 240 credit points in units offered by the Faculty of Health as approved in accordance with requirements specified for the Bachelor of Applied Science degree and the units CPB342 Education in Context, LEB335 Human Development and Education, LEB336 Psychology of Learning and Teaching, LAB341 Language Technology and Education.

<table>
<thead>
<tr>
<th>Year 3, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>CUB371 Secondary Professional Practice 1: Classroom Management</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>CUB372 Secondary Professional Practice 2: Curriculum Decision Making</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Curriculum Studies 1X</td>
<td>12</td>
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</tr>
<tr>
<td>Curriculum Studies 1Y</td>
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**Year 4, Semester 1**

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<tr>
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<th>Credit Points</th>
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<tr>
<td>CPB343 Understanding Educational Practices</td>
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<tr>
<td>CUB373 Secondary Professional Practice 3: The Inclusive Curriculum</td>
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<td>Curriculum Studies 2X</td>
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**Year 4, Semester 2**

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<td>Education Studies Elective</td>
<td>12</td>
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</tr>
<tr>
<td>CUB374 Secondary Professional Practice 4: The Beginning Teacher</td>
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**Bachelor of Applied Science/Bachelor of Education (Science/Secondary Education) (IF71)**

**Locations:** Gardens Point campus and Kelvin Grove campus

**Course Duration:** 4 years full-time

**Total Credit Points:** 432

**Standard Credit Points/Full-Time Semester:** 54 (average)

**Course Coordinators:**
Science: Dr Don Field  
Education: Mr John Whitta

**Full-Time Course Structure**
The order of Education Studies units may vary from that shown in semesters 6, 7 and 8 in years prior to 1998. All students are required to attend academic advising sessions to plan their progression through the course and to obtain the approval of an academic adviser prior to any subsequent change of enrolment.

**Year 1, Semesters 1 and 2; Year 2, Semesters 1 and 2; Year 3, Semester 1**
Competition of 240 credit points in units offered by the Faculty of Science meeting all the requirements for a major as specified for the SC30 program and an approved range of units suitable for general science and the units CPB342 Education in Context, LEB335 Human Development and Education, LEB336 Psychology of Learning and Teaching, LAB341 Language Technology and Education.
Year 3, Semester 2

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<thead>
<tr>
<th>Course Code</th>
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</table>

Bachelor of Applied Science (Home Economics)/Bachelor of Education (IF74)

Location: Kelvin Grove campus

Course Duration: 4 years full-time

Total Credit Points: 432

Standard Credit Points/Full-Time Semester: 54 (average)

Course Coordinators:
Home Economics: Ms Melinda Service
Education: Mr John Whitta

Full-Time Course Structure

The order of Education Studies units may vary from that shown in semesters 6, 7 and 8 in years prior to 1998. All students are required to attend academic advising sessions to plan their progression through the course and to obtain the approval of an academic adviser prior to any subsequent change of enrolment.

Year 1, Semesters 1 and 2; Year 2, Semesters 1 and 2; Year 3, Semester 1

Completion of 240 credit points in units offered by the School of Public Health, Faculty of Health as approved. Students will undertake 192 credit points in units which are in accordance with requirements specified for the PU49 program and 48 credit points in approved studies in the second teaching area of Health.

Four education units are also undertaken. These are: CPB342 Education in Context, LEB335 Human Development and Education, LEB336 Psychology of Learning and Teaching, LAB341 Language Technology and Education.
### Year 4, Semester 1

<table>
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</table>

### Bachelor of Applied Science (Surveying)/Bachelor of Information Technology (IF52)

See course requirements and notes relating to undergraduate courses in the Faculty of Built Environment and Engineering, and the Faculty of Information Technology sections.

**Course Discontinued:** No further intakes. This course has been replaced by the Bachelor of Surveying/Bachelor of Information Technology (IF54). Years 4 and 5 are offered to continuing students only.

**Location:** Gardens Point campus

**Course Duration:** 4.5 years full-time

**Total Credit Points:** 468

**Standard Credit Points/Full-Time Semester:** 52 (average)

**Course Coordinators:**
- Surveying: Associate Professor Brian Hannigan
- Information Technology: Mr Michael Middleton

**Professional Recognition**
This course has been accredited by the Australian Computer Society as meeting the knowledge requirements associated with the grade of 'Member' of the Society. Graduates of the course are eligible to apply for registration as a Surveyor by the Surveyors Board of Queensland. Further experience and assessment is required for licensing.

**Special Course Requirements**
Students must obtain at least 90 days of industrial experience/practice, either in a surveying or computing environment approved by the Course Coordinator.

Students must, not later than the fourth week of semester immediately following each period of industrial experience/practice, submit to the Course Coordinator a report or diary in the required format, describing the work carried out during the period of experience/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the School Office, or the Faculty Office, Faculty Industrial Experience Officer in Room 1006, ITE Building, Gardens Point campus. Should employment exceed the minimum required, it is strongly recommended that these details also be recorded in the report or diaries and certified by the employer as a record of experience which may be used when seeking registration or licensing by the Surveyors Board.

Students should not formally enrol in industrial experience/practice.
<table>
<thead>
<tr>
<th>Course Structure (continuing students only)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td><strong>Year 4, Semester 1</strong></td>
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</tr>
<tr>
<td>MAB795 Survey Mathematics 3</td>
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<tr>
<td>PSB315 Land Administration 1</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>PSB329 Land Surveying 5</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PSB333 Map Projections</td>
<td>6</td>
<td>3</td>
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<tr>
<td>PSB335 Photogrammetry 2</td>
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</tr>
<tr>
<td>PSB346 Spheroidal Computations</td>
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</tr>
<tr>
<td>Elective (Surveying)</td>
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<td>8</td>
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<td><strong>Year 4, Semester 2</strong></td>
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<tr>
<td>IFB880/1 Project</td>
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<tr>
<td>ITB331 Information Management 2</td>
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<td>3</td>
</tr>
<tr>
<td>ITB341 Information Management 3</td>
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<td>3</td>
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<tr>
<td>PSB330 Land Surveying 6</td>
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<td>3</td>
</tr>
<tr>
<td>PSB336 Photogrammetry 3</td>
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<td>SVB688 Professional Practice A</td>
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<td><strong>Year 5, Semester 1</strong></td>
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<tr>
<td>IFB880/2 Project</td>
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<tr>
<td>ITB330 Information Issues &amp; Values</td>
<td>12</td>
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<tr>
<td>PSB309 Cartography 4</td>
<td>8</td>
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</tr>
<tr>
<td>PSB344 Spatial Information Science 3</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>Elective (Business)</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Units**

General elective units may be chosen from any unit in a QUT degree course subject to prerequisites and approval. The offering of elective units in any semester depends on sufficient minimum enrolments in the unit and the availability of staff.

Recommended Business elective units are:

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>BSB110 Accountancy</td>
<td>12</td>
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</tr>
<tr>
<td>BSB113 Economics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB115 Management, People &amp; Organisations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB116 Marketing &amp; International Business</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGB207 Managing Human Resources</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJB118 Fundamentals of Photography</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJB200 Video Drama Production</td>
<td>12</td>
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<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>BSB114 Government, Business &amp; Society</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB115 Management, People &amp; Organisations</td>
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<tr>
<td>BSB116 Marketing &amp; International Business</td>
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<tr>
<td>COB213 Strategic Speech Communication</td>
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<tr>
<td>COB325 Public Relations Theory &amp; Practice</td>
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<tr>
<td>ESB102 Economics 2</td>
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<tr>
<td>MGB207 Managing Human Resources</td>
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</table>

- Bachelor of Arts/Bachelor of Education (IF70)*
- Bachelor of Arts (Dance)/Bachelor of Education (IF75)
- Bachelor of Arts (Drama)/Bachelor of Education (IF76)
- Bachelor of Arts (Music)/Bachelor of Education (IF77)
- Bachelor of Arts (Visual Arts)/Bachelor of Education (IF78)

* Students who wish to undertake studies in Film and Media Studies apply for IF70 Bachelor of Arts (Humanities)/Bachelor of Education. Places are available subject to quota.
Locations: Carseldine campus and Kelvin Grove campus

Course Duration: 4 years full-time

Total Credit Points: 432

Standard Credit Points/Full-Time Semester: 54 (average)

Course Coordinators:
Academy of the Arts (Dance, Drama, Music, Visual Arts): Ms Kristen Bell
Humanities: Dr Joe Grixti; Film & Media Studies: Dr Graham Bruce
Education: Mr John Whitta

Full-Time Course Structure
The order of Education Studies units may vary from that shown in semesters 6, 7 and 8 in years prior to 1998. All students are required to attend academic advising sessions to plan their progression through the course and to obtain the approval of an academic adviser prior to any change of enrolment.

HUMANITIES AND FILM AND MEDIA* MAJORS
* Students selecting the Bachelor of Arts (Humanities)/Bachelor of Education (IF70) who wish to undertake their major in Film and Media Studies should note that there is a quota on this teaching area and places will be limited.

Year 1, Semester 1
Students will complete 240 credit points in units offered by the Faculty of Arts.

Year 1, Semesters 1 and 2; Year 2, Semesters 1 and 2; Year 3, Semester 1
These units will include the 48 credit points Faculty of Arts foundation program and an approved Arts major of at least 96 credit points. Students will also undertake approved studies of at least 48 credit points in a second teaching area from units on offer in the Faculty of Arts, and the Education units CPB342 Education in Context, LEB335 Human Development and Education, LEB336 Psychology of Learning and Teaching, LAB341 Language Technology and Education.

Year 3, Semester 2

<table>
<thead>
<tr>
<th>Course Code</th>
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</table>

ACADEMY OF THE ARTS MAJORS

Year 1, Semesters 1 and 2; Year 2, Semesters 1 and 2; Year 3, Semester 1
Students will complete 240 credit points in units offered by the Faculty of Arts.
These units will include the 48 credit points Faculty of Arts foundation program and an approved arts major of at least 144 credit points. They will also undertake approved studies of at least 48 credit points in a second teaching area from units on offer in the Faculty of Arts, with the exception of Music, and the Education units CPB342 Education in Context, LEB335 Human Development and Education, LEB336 Psychology of Learning and Teaching, LAB341 Language Technology and Education

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</table>

## Bachelor of Arts/Bachelor of Laws (IF36)

**Location:** Carseldine and Gardens Point campuses

**Course Duration:** 5 years full-time

**Total Credit Points:** 528

**Standard Credit Points/Full-Time Semester:** 52.8

**Course Coordinators:**
- Arts: Dr Joe Grixti
- Law: Professor Malcolm Cope

**Professional Recognition**

For information on the academic requirements of the Solicitors' or Barristers' Board of Queensland please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of this Handbook.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Years 1 and 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>LWB130 Introduction to Study in Law (2 weeks)</td>
<td>12</td>
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<tr>
<td>LWB131/1 Law in Context</td>
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</tr>
<tr>
<td>LWB132/1 Contracts</td>
<td>12</td>
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<tr>
<td>LWB133/1 Torts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB134 Research &amp; Legal Reasoning</td>
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**Year 3, Semester 1**

Refer to the course structure for Years 1 and 2 in the Bachelor of Arts (HU20) entry in the Faculty of Arts section.
Year 3, Semester 2
LWB131/2 Law in Context 12 3
LWB132/2 Contracts 12 3
LWB133/2 Torts 12 4
LWB135 Legislation 12 3

Year 4, Semester 1
LWB231 Introduction to Public Law 12 3
LWB232/1 Criminal Law & Procedure 12 3
LWB233/1 Property 1 12 3
LWB234/1 Equity & Trusts 12 3
LWB332 Property 2 12 3

Year 4, Semester 2
LWB232/2 Criminal Law & Procedure 12 3
LWB233/2 Property 1 12 3
LWB234/2 Equity & Trusts 12 3
LWB235 Australian Federal Constitutional Law 12 3
LWB334 Corporate Law 12 3

Year 5, Semester 1
LWB331 Administrative Law 12 3
LWB431 Civil Procedure 12 3
LWB432 Evidence 12 3
Elective Units3 24

Year 5, Semester 2
LWB333 Theories of Law 12 3
LWB433 Professional Responsibility 12 3
LWB434 Advanced Research & Legal Reasoning 12 3
Elective Units3 24

Elective Units
For availability of Law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester is dependent upon sufficient minimum enrolments in the unit and the availability of staff. The selection of all elective units is subject to the approval of the Associate Dean of the Faculty of Law.

■ Bachelor of Business/Bachelor of Education (IF72)
Location: Gardens Point campus, Carseldine campus and Kelvin Grove campus
Course Duration: 4 years full-time
Total Credit Points: 432
Standard Credit Points/Full-time Semester: 54 (average)
Course Coordinators:
Business: Dr Carol Dickensen
Education: Mr John Whitta

Full-time Course Structure
The order of Education Studies units may vary from that shown in semesters 6, 7 and 8 in years prior to 1998.

3 A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units offered by other Faculties or Schools but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
Students will complete 240 credit points in units offered by the Faculty of Business. These units will include the 96 credit points Business Faculty core and 72 credit points (6 units) in each of two major areas drawn from Accountancy, Economics or Communication as specified in the Bachelor of Business rules.

They will also complete the education units CPB342 Education in Context, LEB335 Human Development and Education, LEB336 Psychology of Learning and Teaching, LAB341 Language Technology and Education.

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<thead>
<tr>
<th>Year 3, Semester 2</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>CUB371</td>
<td>Secondary Professional Practice 1: Classroom Management</td>
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<tr>
<td>CUB372</td>
<td>Secondary Professional Practice 2: Curriculum Decision Making</td>
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<td>Curriculum Studies 1Y</td>
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<th>Year 3, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tr>
<td>CUB371</td>
<td>Secondary Professional Practice 1: Classroom Management</td>
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</tr>
<tr>
<td>CUB372</td>
<td>Secondary Professional Practice 2: Curriculum Decision Making</td>
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<tr>
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<td>Curriculum Studies 1Y</td>
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<tr>
<th>Year 4, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CPB343</td>
<td>Understanding Educational Practices</td>
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<tr>
<td>CUB373</td>
<td>Secondary Professional Practice 3: The Inclusive Curriculum</td>
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<td></td>
<td>Curriculum Studies 2X</td>
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<td>Curriculum Studies 2Y</td>
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<th>Year 4, Semester 2</th>
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<tr>
<td></td>
<td>Education Studies Elective</td>
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<td></td>
<td>Education Studies Elective</td>
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<tr>
<td>CUB374</td>
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<td>Curriculum Studies Elective</td>
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### Bachelor of Business/Bachelor of Laws (IF40)


**Note:** This course is not accepting new students. New students will undertake IF41.

**Location:** Gardens Point Campus (study on other campuses may be required, depending on major selected)

**Course Duration:** 5 years full-time

**Total Credit Points:** 528

**Standard Credit Points/Full-time Semester:** 60

**Course Coordinators:**

Business: To be determined

Law: Professor Malcolm Cope

**Professional Recognition**

For information on the academic requirements of the Solicitors’ or Barristers’ Board of Queensland, please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of this Handbook. For information on the academic requirements of the accrediting bodies recognising study in the Bachelor of Business component, refer to the section on professional recognition in the relevant majors within the Bachelor of Business course entry.
Course Structure

The structure given below represents the Law component of the degree only. Students supplement this program with one major, undertaken in the Faculty of Business, selected from the following: Banking and Finance; Economics; Human Resource Management; Industrial Relations; International Business; Management; Marketing; or Public Sector Management. For information on the units within each of the majors, refer to the relevant section in the course entry.

<table>
<thead>
<tr>
<th>Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<td>LWB132/1 Contracts</td>
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<td></td>
</tr>
<tr>
<td>LWB132/2 Contracts</td>
<td>36</td>
<td>12</td>
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<td><strong>Year 3, Semester 1</strong></td>
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<tr>
<td>Two units from selected Business Major</td>
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<tr>
<td>LWB133/1 Torts</td>
<td>24</td>
<td>12</td>
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<td>LWB232/1 Criminal Law &amp; Procedure</td>
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<td><strong>Year 3, Semester 2</strong></td>
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<tr>
<td>Two units from selected Business Major</td>
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<td>LWB133/2 Torts</td>
<td>24</td>
<td>12</td>
</tr>
<tr>
<td>LWB232/2 Criminal Law &amp; Procedure</td>
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<td><strong>Year 4, Semester 1</strong></td>
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<tr>
<td>LWB231 Introduction to Public Law</td>
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<td>LWB234/1 Property 1</td>
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<td>LWB234/1 Equity &amp; Trusts</td>
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<td>LWB332 Property 2</td>
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<tr>
<td>LWB331 Administrative Law</td>
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<td><strong>Year 4, Semester 2</strong></td>
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<td>12</td>
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<tr>
<td>LWB234/2 Equity &amp; Trusts</td>
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<tr>
<td>LWB334 Corporate Law</td>
<td>24</td>
<td>12</td>
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<tr>
<td>LWB333 Theories of Law</td>
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<td><strong>Year 5, Semester 1</strong></td>
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<td></td>
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<tr>
<td>LWB431 Civil Procedure</td>
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<td>LWB432 Evidence</td>
<td>24</td>
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<td>Elective Units*</td>
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<td><strong>Year 5, Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LWB433 Professional Responsibility</td>
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<td>LWB434 Advanced Research and Legal Reasoning</td>
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<tr>
<td>Elective Units*</td>
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</table>

Elective Units

For availability of Law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester

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* A student is required to complete 48 credit points of elective units. A student may undertake as electives units offered by other Faculties or Schools provided prerequisites are satisfied but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units form a coherent program of study. However, students who undertake a major in Banking and Finance will need to use 12 credit points of these electives in order to satisfy the requirements for that major and students who undertake a major in Journalism will need to use the 48 credit points of electives in order to satisfy the requirements for that major. In selecting their electives students should consult the Course Coordinator of the relevant major for approval.
depends on sufficient minimum enrolments in the unit and the availability of staff. The selection of all elective units is subject to the approval of the Associate Dean of the Faculty of Law.

Bachelor of Business/Bachelor of Laws (IF41)


Location: Gardens Point campus (study on other campuses may be required, depending on major selected)

Course Duration: 5 years full-time

Total Credit Points: 528

Standard Credit Points/Full-time Semester: 60

Course Coordinators: To be determined

Professional Recognition

For information on the academic requirements of the Solicitors' or Barristers' Board of Queensland, please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of this Handbook. For information on the academic requirements of the accrediting bodies recognising study in the Bachelor of Business component, refer to the section on professional recognition in the relevant majors within the Bachelor of Business course entry.

Course Structure

Students supplement the law component of this program with seven Faculty core units and one major consisting of six units and undertaken in the Faculty of Business, selected from the following: Banking and Finance; Communication; Economics; Human Resource Management; International Business; Management; or Marketing as well as three extended major/specialisation units. For information on the units within each of the majors, refer to the relevant section in the Bachelor of Business (BS56) course entry.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>BSB110 Accounting</td>
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<tr>
<td>BSB116 Marketing and International Business</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB115 Management, People &amp; Organisations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB130 Introduction to Study in Law (2 weeks)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB131/1 Law in Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB134 Research and Legal Reasoning</td>
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<tbody>
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<td>BSB117 Professional Communication &amp; Negotiation</td>
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<td>BSB112 Business Technology &amp; Information</td>
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<td>3</td>
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<td>BSB113 Economics</td>
<td>12</td>
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<td>LWB131/2 Law in Context</td>
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<td>LWB135 Legislation</td>
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<td>LWB132/2 Contracts</td>
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<td><strong>Year 3, Semester 1</strong></td>
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<td>One unit from selected Business Major*</td>
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<td>One approved specialisation/extended major unit</td>
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<td>LWB133/1 Torts</td>
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<td>4</td>
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<tr>
<td>LWB232/1 Criminal Law &amp; Procedure</td>
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<td>LWB232/2 Criminal Law &amp; Procedure</td>
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<td>LWB332 Property 2</td>
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<td>LWB432 Evidence</td>
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<tr>
<td>Elective Units</td>
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</tbody>
</table>

* See Major core units listed at the commencement of the BS56 and follow the semester pattern set for the BS56 in the major of your choosing.

**Elective units**

In order to gain professional accreditation for their Bachelor of Business course, students may need to fully complete their extended major or specialised field of study by availing themselves of the opportunity to complete the additional Business units required as elective units as a component of the Bachelor of Laws program. In order to complete the requirements for the Bachelor of Laws program a student is required to complete 48 credit points of elective units. A student may undertake elective units offered by other Faculties but limitations are imposed on the number of introductory units which may be undertaken as electives. Before undertaking such units or courses a student must demonstrate that the units selected form a coherent program of study and must obtain the approval of the Course Coordinator.

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*A student is required to complete 48 credit points of elective units. A student may undertake as electives units offered by other Faculties or Schools provided prerequisites are satisfied but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units form a coherent program of study. However, students who undertake a major in Banking and Finance will need to use 12 credit points of these electives in order to satisfy the requirements for that major and students who undertake a major in Journalism will need to use the 48 credit points of electives in order to satisfy the requirements for that major. In selecting their electives students should consult the Course Coordinator of the relevant major for approval.*
Bachelor of Business (Accountancy)/Bachelor of Laws (IF37)

Course Duration: 5 years full-time
Total Credit Points: 544

Standard Credit Points: Semester 1–5: 60
Semesters 6–10: 48

Course Coordinators:
Business: To be advised
Law: Professor Malcolm Cope

Professional Recognition
The combined Accountancy/Law degree satisfies the academic requirements of the Institute of Chartered Accountants in Australia and the Australian Society of Certified Practising Accountants. For membership purposes, the ASCPA will not accept a grade of 3 in core accounting units unless a grade of 4 or better is achieved in a subsequent core unit. For information on the academic requirements of the Solicitors’ or Barristers’ Board of Queensland please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of the Handbook.

Full-Time Course Structure

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<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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<td>BSB113 Economics 1</td>
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<tr>
<td>LWB130 Introduction to Study in Law (2 weeks)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB131/1 Law in Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB134 Research and Legal Reasoning</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB114 Government, Business &amp; Society</td>
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<th>Hrs/Wk</th>
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<td>EFB101 Data Analysis for Business</td>
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<tr>
<td>BSB112 Business Technology &amp; Information</td>
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<tr>
<td>LWB131/2 Law in Context</td>
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<td>LWB135 Legislation</td>
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<tr>
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<td>BSB116 Marketing &amp; International Business</td>
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<td>BSB117 Professional Communication &amp; Negotiation</td>
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<td>LWB232/1 Criminal Law &amp; Procedure</td>
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Year 4, Semester 1
LWB233/1 Property 1 12 3
LWB234/1 Equity & Trusts 12 3
LWB331 Administrative Law 12 3
LWB332 Property 2 12 3

Year 4, Semester 2
LWB233/2 Property 1 12 3
LWB234/2 Equity & Trusts 12 3
LWB333 Theories of Law 12 3
LWB334 Corporate Law 12 3

Year 5, Semester 1
LWB364 Introduction to Taxation Law 12 3
LWB431 Civil Procedure 12 3
LWB432 Evidence 12 3
Elective Units6 16

Year 5, Semester 2
LWB359 Advanced Taxation Law 12 2
LWB433 Professional Responsibility 12 3
LWB434 Advanced Research & Legal Reasoning 12 3
Elective Units6 16

Elective Units
For availability of Law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester is dependent upon sufficient minimum enrolments in the unit and the availability of staff. The selection of all elective units is subject to the approval of the Dean of the Faculty of Law.

■ Bachelor of Information Technology/Bachelor of Laws (IF38)
Location: Gardens Point campus
Course Duration: 5 years full-time
Total Credit Points: 528
Standard Credit Points/Full-Time Semester: 52.8
Course Coordinators:
Information Technology: Mr Bob Smyth
Law: Professor Malcolm Cope

Professional Recognition
This course will be accredited by the Australian Computer Society as meeting the knowledge requirements associated with the grade of ‘Member’ of the Society. For information on the academic requirements of the Solicitors’ or Barristers’ Board of Queensland please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of the Handbook.

6 A student is required to complete 32 credit points of elective units. A student may undertake, as electives, units offered by other Faculties or Schools but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
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<td>ITB101 Laboratory 1 (Computing Environments)</td>
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<td>ITB210 Formal Representation</td>
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<td>ITB310 Information Management 1</td>
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<td>ITB411 Software Development 2</td>
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<td>ITB520 Data Communications</td>
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<td>LWB131/1 Law in Context</td>
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<td>ITB233 File Structures</td>
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<td>LWB135 Legislation</td>
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<td>ITB230 Project</td>
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<td>LWB234/2 Equity &amp; Trusts</td>
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<td>LWB235 Australian Federal Constitutional Law</td>
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<td>Elective Units</td>
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A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units offered by other Faculties or Schools, provided prerequisites are satisfied, but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units form a coherent program of study.
Year 5, Semester 2

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Elective Units

For availability of Law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester is dependent upon sufficient minimum enrolments in the unit and the availability of staff. The selection of all elective units is subject to the approval of the Associate Dean of the Faculty of Law.

Bachelor of Information Technology/Bachelor of Laws (IF33)

Course Discontinued: No further intakes. This course has been replaced by Bachelor of Information Technology/Bachelor of Laws (IF38).

Location: Gardens Point campus

Course Duration: 5 years full-time

Total Credit Points: 528

Standard Credit Points/Full-Time Semester: 56.1 (average)

Course Coordinators:
Information Technology: Mr Bob Smyth
Law: Professor Malcolm Cope

Course Structure (continuing students only)

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<tr>
<th>Year 5, Semester 1</th>
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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
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<td>LWB432</td>
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<tr>
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<table>
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<tbody>
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<td>LWB333</td>
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<td>LWB433</td>
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Elective Units

For availability of Law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester is dependent upon sufficient minimum enrolments in the unit and the availability of staff. The selection of all elective units is subject to the approval of the Associate Dean of the Faculty of Law.

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8 A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units offered by other Faculties or Schools, provided prerequisites are satisfied, but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units form a coherent program of study.
Bachelor of Engineering (Civil)/Bachelor of Applied Science (Mathematics) (IF42)

Location: Gardens Point campus

Course Duration: 5 years full-time

Total Credit Points: 544

Standard Credit Points/Full-Time Semester: average 54.4

Course Coordinators:
Civil Engineering: Professor Rod Troutbeck
Mathematics: Associate Professor Helen MacGillivray

Professional Recognition:
This degree meets the requirements for membership of the Institution of Engineers, Australia, and the coursework requirements for accredited graduate membership of the Australian Mathematical Society (GAustMS).

Special Course Requirements:
A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the Course Coordinator (Civil).

Candidates must, not later than the fourth week of semester immediately following each period of industrial employment/practice, submit to the Course Coordinator (Civil) (through the Faculty Office), a report in the required format, describing the work carried out during the period of industrial employment/practice and including an industrial Experience Record Form signed by the employer. Industrial Record Forms are available from the Faculty Industrial Experience Officer in Room ITE 1006, ITE Building, Gardens Point campus.

Students should not formally enrol in industrial experience/practice.

Full-Time Course Structure

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<td>MEB133 Materials 1</td>
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<tr>
<td>MEB181 Engineering Communication</td>
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<tr>
<td>MAB301 Calculus and Analysis A</td>
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<td>MAB303 Algebra and Analysis B</td>
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<tr>
<td>MAB347 Statistics 1A</td>
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<td>PHB134 Engineering Physics 1B</td>
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<td>CEB185 Engineering Mechanics 2</td>
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<td>MEB133 Materials 1</td>
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<td>MAB304 Calculus and Vector Algebra</td>
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* Choice of elective to be made on advice of Course Coordinators.

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<td>CEB254 Structural Engineering 1</td>
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**Year 2, Semester 2**

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**Year 3, Semester 1**

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<td>CEB305</td>
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**Year 4, Semester 2**

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<td>Civil Engineering Design 1</td>
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<td>CEB315</td>
<td>Traffic Engineering</td>
<td>8</td>
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<td>CEB357</td>
<td>Structural Engineering 3</td>
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<td>CEB371</td>
<td>Water &amp; Wastewater Systems</td>
<td>8</td>
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<td>CEB393</td>
<td>Engineering Investigation &amp; Reporting 1</td>
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**Year 5, Semester 1**

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<tr>
<td>CEB405/1</td>
<td>Civil Engineering Design 2</td>
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<tr>
<td>CEB491/1</td>
<td>Project</td>
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**Year 5, Semester 2**

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<td>CEB405/2</td>
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<td>CEB491/2</td>
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<tr>
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</table>

An optional elective could be added if desired with the permission of the Course Coordinators. The fifth Mathematics elective in Year 5 above may be done in semester 1 if desired.

Note: Limited deviations from the above course structure may be possible with the permission of both Course Coordinators. This is more likely to apply in the later than the earlier years of the course.
Civil Engineering Elective Units

'A' Electives

CEB501 Civil Engineering Practice 1 8
CEB505 Project Management & Administration 8
CEB512 Transport Engineering 1 8
CEB520 Finite Element Methods 8
CEB541 Geotechnical Engineering 2 8
CEB561 Coastal Engineering 8
CEB570 Waste Management 8

'B' Electives

CEB502 Project Control 8
CEB503 Advanced Construction Methods 8
CEB506 Civil Engineering Practice 2 8
CEB511 Transport Engineering 2 8
CEB531 Masonry Design 8
CEB542 Geotechnical Engineering 3 8
CEB543 Environmental Geotechnology 8
CEB551 Advanced Structural Design 8
CEB560 Hydraulic Engineering 3 8
CEB575 Environmental Impact Assessment 8

Recommended Maths Electives are given below in three strands. (All units are 12 credit points.)

1. Computational Maths/Mathematical Modelling and Industrial Mathematics

Year 4, Semester 1
MAB911 Computational Mathematics 3A

Year 4, Semester 2
MAB913 Computational Mathematics 3B

Year 5, Semester 1
MAB942 Optimisation Methods
OR
MAB912 Continuum Modelling

Year 5, Semester 2
MAB973 Partial Differential Equations
PLUS one of MAB602 Vector Field Theory or MAB632 Mathematical Modelling.

2. Probability and Statistics

Year 4, Semester 1
MAB907 Statistics 3A

Year 4, Semester 2
MAB908 Statistics 3B

Year 5, Semester 1
SCB510 Introduction to Quality Management

Year 5, Semester 2
MAB929 Time Series & Statistical Forecasting
OR
MAB974 Sampling and Survey Techniques
Remaining Maths Elective: Any MAB unit for which prerequisites are satisfied.

3. Operations Research

Year 4, Semester 1
SCB510 Introduction to Quality Management

Year 4, Semester 2
MAB638 Operations Research 1B

Year 5, Semester 1
MAB927 Operations Research 2A
Year 5, Semester 2  
MAB928 Operations Research 2B  
Remaining Maths Elective: Any MAB9- – unit for which prerequisites are satisfied.

- Bachelor of Engineering (Electrical and Computer Engineering)/Bachelor of Applied Science (Mathematics) (IF44)

Location: Gardens Point campus  
Course Duration: 5 years full-time  
Total Credit Points: 544  
Standard Credit Points/Full-Time Semester: 54 (average)

Course Coordinators:  
Mathematics: Associate Professor Helen MacGillivray  
Engineering: Dr Abdelhak Zoubir

Professional Recognition  
This degree meets the requirements for membership of the Institution of Engineers, Australia, the Institution of Radio and Electronics Engineers, and the coursework requirements for accredited graduate membership of the Australian Mathematical Society (GAustMS).

Special Course Requirements  
A candidate for the degree of Bachelor of Engineering (Electrical and Computer Engineering)/Bachelor of Applied Science (Mathematics) must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester following each period of industrial employment/practice, submit to the Course Coordinator (through the Faculty Office), a report in the required format, describing the work carried out during the period of employment/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Records Forms are available from the Faculty Employment Officer in Room ITE1006.

Course Structure

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<tr>
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<td>Circuits &amp; Measurements</td>
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<td>MAB301</td>
<td>Calculus &amp; Analysis A</td>
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<td>MAB303</td>
<td>Algebra &amp; Analysis B</td>
<td>12</td>
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<tr>
<td>MAB347</td>
<td>Statistics 1A</td>
<td>12</td>
<td>4</td>
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<td>MEB181</td>
<td>Engineering Communication</td>
<td>8</td>
<td>4</td>
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<td>PHB134</td>
<td>Engineering Physics 1B</td>
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<td>Year 1, Semester 2</td>
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<td>CSB155</td>
<td>Introduction to Computing</td>
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<td>EEB210</td>
<td>Network Analysis</td>
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<td>EEB270</td>
<td>Digital Design Principles</td>
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<td>MAB304</td>
<td>Calculus &amp; Vector Algebra</td>
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<td>4</td>
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<td>MAB348</td>
<td>Statistics 1B</td>
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<td>PHB234</td>
<td>Engineering Physics 2B</td>
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<td>Year 2, Semester 1</td>
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<td>EEB302</td>
<td>Electrotechnology 1</td>
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<tr>
<td>EEB310</td>
<td>Network Synthesis</td>
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</table>
EEB375  Electronics I  8  4
MAB321  Computational Mathematics 1  12  4
MAB601  Multivariate Calculus  12  4

**Year 2, Semester 2**
EEB400  Electrotechnology 2  8  3
EEB475  Microprocessor Systems  8  3
EEB476  Electronics 2  8  4
MAB612  Differential Equations  12  4
MAB618  Computational Mathematics 2  12  4

**Year 3, Semester 1**
EEB362  Introduction to Telecommunications  8  3
EEB530  Engineering Electromagnetics  8  3
EEB587  Design 1  8  3
MAB630  Linear Algebra & its Applications  12  4
MAB647  Statistics 2A  12  4

**Year 3, Semester 2**
EEB420  Control Systems 1  8  3
EEB665  Transmission & Propagation  8  3
EEB788  Design 2  8  3
EEB881  Production Technology & Quality  8  3
MAB602  Vector Field Theory  12  4
MAB648  Statistics 2B  12  4

**Year 4, Semester 1**
EEB380  Engineering Management Skills  8  3
EEB565  Signals & Linear Systems  8  3
EEB682  Engineering Business Skills  8  3
Computing Elective  12  3
Electrical Elective Unit 2 (List B)  8  3

Select one of:
MAB907  Statistics 3A  12  4
MAB911  Computational Mathematics 3A  12  4

**Year 4, Semester 2**
EEB624  Control Systems 2  8  3
EEB820  Engineering Management  8  3
EEB668  Digital Signal Processing  8  3
Computing Elective  12  3
Electrical Elective Unit 1 (List A)  8  3

Select one of:
MAB913  Computational Mathematics 3B  12  4
MAB929  Time Series & Statistical Forecasting  12  4

**Year 5, Semester 1**
EEB889/1  Project  8  4
EEB885  Design 3  8  3
Mathematics Elective  12  4
Mathematics Elective  12  4
Electrical Elective Unit 3 (List C)  8  3
Electrical Elective Unit 4 (List C)  8  3

**Year 5, Semester 2**
EEB889/2  Project  16  6
Mathematics Elective  12  4
Mathematics Elective  12  4
Electrical Elective Unit 5 (List D)  8  3
Electrical Elective Unit 6 (List D)  8  3

ELECTRICAL ELECTIVE LISTS

**List A, 'A' Electives**
EEB532  Power Systems 1  8  3
EEB564  Information Theory Modulation & Noise  8  3
EEB963  Statistical Communications  8  3
List B, ‘A’ Electives
EEB632  Power Systems 2  8 3
EEB667  Digital Communications  8 3
EEB974  VLSI Circuits & Systems  8 3

List C, ‘A’ Electives
EEB741  Power Systems Analysis  8 3
EEB752  Power Electronics  8 3
EEB765  Microwave & Antenna Technology  8 3
EEB762  Communications Technology  8 3
EEB763  Modern Signal Processing  8 3
EEB791  Advanced Eng Computing 1  8 3
OR A fourth year ‘A’ elective not yet completed
OR ‘B’ elective offered

List D, ‘A’ Electives
EEB822  Advanced Control Systems  8 3
EEB842  Power Systems Engineering  8 3
EEB891  Signal Computing & Real Time DSP  8 3
EEB892  Advanced Engineering Computing 2  8 3
EEB869  Signal Filtering and Estimation  8 3
EEB871  Applied Electronics  8 3
OR A fourth year ‘A’ elective not yet completed
OR ‘B’ elective offered

‘B’ Electives
BNB003  Professional Practice in Asia/Pacific  8 3
EEB910  Photovoltaic Engineering  8 3
EEB923  Industrial Control Systems  8 3
EEB957  High Voltage Equipment  8 3
EEB958  Electrical Energy Utilisation  8 3
EEB959  Power Electronics Applications  8 3
EEB965  Microwave Systems Engineering  8 3
EEB990  Advanced Information Tech Topics  8 3
EEB999  Advanced Engineering Topics  8 3

Computing Science Electives
ITB448  Object Technology  12 3
ITB449  Expert Systems  12 3
ITB461  Foundations of Neurocomputing  12 3
ITB520  Data Communications  12 3
ITB543  Data Security  12 3
ITB548  Introduction to Cryptology  12 3
ITB549  Error Control & Data Compression  12 3

MATHS ELECTIVES are given below in two strands:

Numerical Analysis:
Year 4, Semester 1
MAB911  Computational Mathematics 3A  12 4

Year 4, Semester 2
MAB913  Computational Mathematics 3B  12 4

Year 5, Semester 1 and Semester 2 Electives from
MAB906  Topics in Analysis  12 4
MAB912  Continuum Modelling  12 4
MAB929  Time Series  12 4
MAB942  Optimisation Methods  12 4
MAB973  Partial Differential Equations  12 4
MAB975  Ordinary Differential Equations and Chaos  12 4

Probability and Statistics:
Year 4, Semester 1
MAB907  Statistics 3A  12 4
Year 4, Semester 2
MAB929 Time Series & Statistical Forecasting 12 4

Year 5, Semester 1
MAB970 Probability Theory and Stochastic Processes 12 4
AND one of the following:
MAB637 Operations Research 1A 12 4
MAB906 Topics in Analysis 12 4
MAB911 Computational Mathematics 3A 12 4
SCB510 Introduction to Quality Management 12 4

Year 5, Semester 2
MAB908 Statistics 3B 12 4
MAB978 Statistical Signal Processing & Image Analysis 12 4

Note: Some deviations from the above course structure may be possible with the permission of the Course Coordinator. This is more likely to apply in the later years than the earlier years of the course.

Bachelor of Engineering (Electronics)/Bachelor of Information Technology (IF25)

Note: This course has replaced IF23. Continuing students enrolled in IF23 should refer to their course summary sheets or contact the School of Electrical and Electronic Systems Engineering for enrolment details.

Location: Gardens Point campus

Course Duration: 5 years full-time

Total Credit Points/Full-Time Semester: 56

Course Coordinators:
Information Technology: Dr Gerry Finn
Engineering: Dr Neil Bergmann

Professional Recognition
This course will be accredited by the Australian Computer Society as meeting the training and experience requirements for admission to the grade of Member of the Society. It is accredited by the Institution of Engineers, Australia, and the Institution of Radio and Electronics Engineers, Australia as meeting the training requirements for admission to graduate membership of these institutions.

Special Course Requirements
A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester following each period of industrial employment/practice, submit to the Course Coordinator (through the Faculty Office), a report in the required format, describing the work carried out during the period of employment/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Records Forms are available from the Faculty Employment Officer in Room ITE1006.

Students should not formally enrol in industrial experience/practice.
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<td>CSBI55 Introduction to Computing</td>
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<td>EEB101 Circuits and Measurements</td>
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<td>ITB210 Formal Representation</td>
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<td>MAB103 Introductory Engineering Mathematics</td>
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<td>MEB181 Engineering Communication</td>
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<td>1, Semester 2</td>
<td>EEB270 Digital Design Principles</td>
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<td>EEB210 Network Analysis</td>
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<td>ITB102 Laboratory 2 (Computer Applications)</td>
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<td>ITB411 Software Development 2</td>
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<td>MAB188 Engineering Mathematics 1B</td>
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<td>EEB302 Electrotechnology 1</td>
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<td>EEB310 Network Synthesis</td>
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<td>ITB421 Data Structure &amp; Algorithms</td>
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<td>ITB422 Laboratory 3 (ADTs in C/Unix)</td>
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<td>MAB485 Engineering Mathematics 2A</td>
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<td>EEB400 Electrotechnology 2</td>
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<td>EEB475 Microprocessor Systems</td>
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<td>ITB412 Technology of Information Systems</td>
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<td>ITB424 Software Engineering Principles</td>
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<td>MAB486 Engineering Mathematics 2B</td>
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<td>EEB362 Introduction to Telecommunications</td>
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<td>EEB530 Engineering Electromagnetics</td>
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<td>ITB420 Computer Architecture</td>
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<td>ITB423 Laboratory 4 (Software Development)</td>
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<td>MAB893 Engineering Mathematics 3</td>
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<td>EEB420 Control Systems 1</td>
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<td>EEB665 Transmission &amp; Propagation</td>
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<td>EEB788 Design 2</td>
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<td>EEB881 Production Technology and Quality</td>
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<td>ITB430 Concurrent Systems</td>
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<td>ITB431 Programming Language Paradigms</td>
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<td>EEB565 Signals and Linear Systems</td>
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<td>EEB380 Engineering Management Skills</td>
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<td>ITB440 Language &amp; Language Processing</td>
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<td>EEB624 Control Systems 2</td>
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<td>EEB668 Digital Signal Processing</td>
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* MAB103 Introductory Mathematics is to be taken only by those students not obtaining an HA or better in Maths B and a SA or better in Maths C or its equivalent.*
EEB820  Engineering Management  8  3
ITB450  Advanced Computer Architecture  12  3
Computing Elective  12  3
Electrical Elective Unit 2 (List B)  8  3

**Year 5, Semester 1**

CSB985/1  Computing Project  8
OR
EEB889/1  Project  8  4
EEB885  Design 3  8  3
Computing Elective  12  3
Computing Elective  12  3
Electrical Elective Unit 3 (List C)  8  3
Electrical Elective Unit 4 (List C)  8  3

**Year 5, Semester 2**

CSB985/2  Computing Project  16
OR
EEB889/2  Project  16  6
Computing Elective  12  3
Computing Elective  12  3
Electrical Elective Unit 5 (List D)  8  3
Electrical Elective Unit 6 (List D)  8  3

**Electrical Elective Lists**

**List A, ‘A’ Electives**
- EEB532  Power Systems 1  8  3
- EEB564  Information Theory Modulation & Noise  8  3

**List B, ‘A’ Electives**
- EEB632  Power Systems 2  8  3
- EEB667  Digital Communications  8  3
- EEB974  VLSI Circuits and Systems  8  3

**List C, ‘A’ Electives**
- EEB741  Power Systems Analysis  8  3
- EEB752  Power Electronics  8  3
- EEB762  Communications Technology  8  3
- EEB763  Modern Signal Processing  8  3
- EEB765  Microwave & Antenna Technology  8  3
- EEB791  Advanced Engineering Computing 1  8  3
OR
- A third year ‘A’ elective not yet attempted
OR
- ‘B’ elective offered

**List D, ‘A’ Electives**
- EEB822  Advanced Control Systems  8  3
- EEB842  Power Systems Engineering  8  3
- EEB869  Signal Filtering and Estimation  8  3
- EEB871  Applied Electronics  8  3
- EEB891  Signal Computing & Real Time DSP  8  3
- EEB892  Advanced Engineering Computing 2  8  3
OR
- A third year ‘A’ elective not yet attempted
OR
- ‘B’ elective offered

**List D, ‘B’ Electives**
- BNB003  Professional Practice in Asia/Pacific  8  3
- EEB910  Photovoltaic Engineering  8  3
- EEB923  Industrial Control Systems  8  3
- EEB957  High Voltage Equipment  8  3
- EEB958  Electrical Energy Utilisation  8  3
- EEB959  Power Electronics Applications  8  3
EEB963  Statistical Communications  8  3
EEB965  Microwave Systems Engineering  8  3
EEB990  Advanced Information Technology Topics  8  3
EEB999  Advanced Electrical Engineering Topics  8  3

Computing Science Electives
ITB441  Graphics  12  3
ITB442  Foundations of Artificial Intelligence  12  3
ITB443  Systems Programming  12  3
ITB444  Special Studies 1  12  3
ITB445  Special Studies 2  12  3
ITB448  Object Technology  12  3
ITB449  Expert Systems  12  3
ITB454  Software Quality Assurance  12  3
ITB455  Integrated Software Engineering Environment  12  3
ITB456  Intelligent Graphic User Interfaces  12  3
ITB457  Foundation Programming  12  3
ITB461  Foundations of Neurocomputing  12  3
ITB463  Pattern Recognition  12  3
MAB172  Statistical Methods  12  3

Bachelor of Engineering (Manufacturing Systems)/Bachelor of Business (Marketing) (IF56)

Location: Gardens Point campus

Course Duration: 5 years full-time

Total Credit Points: 568

Course Coordinator: Dr R.M. Iyer

Professional Recognition
Membership of the Institution of Engineers, Australia.
Diploma, Australian Institute of Export

Special Course Requirements
A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester immediately following each period of industrial experience/practice, submit to the Course Coordinator (through the Faculty Office) a report in the required format, describing the work carried out during the period of experience/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the Faculty Industrial Experience Officer in Room 602, O Block, Gardens Point campus and also from the Faculty Office.

Students should not formally enrol in industrial employment/practice

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB116  Marketing and International Business</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB117  Professional Communication &amp; Negotiation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CEB184  Engineering Mechanics I</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MAB103  Introductory Mathematics</td>
<td>(8)</td>
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</tr>
</tbody>
</table>

10 MAB103 Introductory Mathematics is to be taken only by those students not obtaining a SA or better in Queensland Maths C.
### Year 1, Semester 2
- **BSB110** Accounting  
  12 3
- **BSB114** Government, Business and Society  
  12 3
- **MAB188** Engineering Mathematics 1B  
  8 4
- **MEB111** Dynamics  
  8 3
- **MEB134** Materials 1  
  8 3
- **MEB213** Mechanics of Solids  
  8 4

### Year 2, Semester 1
- **BSB113** Economics  
  12 3
- **CSB192** Introduction to Computing  
  8 3
- **EEB101** Circuits and Measurements  
  8 3
- **EFB101** Data Analysis for Business  
  12 3
- **MAB487** Engineering Mathematics 2A  
  8 4
- **MEB181** Engineering Communication  
  8 4

### Year 2, Semester 2
- **BSB115** Management, People and Organisations  
  12 3
- **CSB491** Unix and C  
  4 2
- **EEB209** Electrical Engineering 2M  
  8 3
- **MAB488** Engineering Mathematics 2B  
  8 4
- **MEB282** Design 1  
  8 4
- **MEB473** Manufacturing Engineering 1  
  8 4
- **MIB204** Consumer Behaviour  
  12 3

### Year 3, Semester 1
- **MEB314** Mechanics 1  
  8 4
- **MEB352** Thermodynamics 1  
  8 4
- **MEB363** Fluids 1  
  8 4
- **MEB430** Materials 3  
  8 4
- **MEB572** Manufacturing Engineering 2  
  8 4
- **MIB217** Marketing Management  
  12 4

### Year 3, Semester 2
- **BSB111** Business Ethics  
  12 3
- **EEB270** Digital Design Principles  
  8 3
- **MEB334** Materials 2  
  8 4
- **MEB641** Automation 1  
  8 4
- **MEB676** Design for Manufacturing 1  
  8 3
- **MIB305** Market Research  
  12 3

### Year 4, Semester 1
- **AYB120** Business Law  
  12 3
- **MEB662** Fluid Power  
  8 4
- **MEB776** Design for Manufacturing 2  
  8 3
- **MEB777** Operations Management  
  8 3
- **MEB873** Computer Integrated Manufacturing  
  8 4
- **MIB213** International Marketing  
  12 3

### Year 4, Semester 2
- **EFB210** Finance 1  
  12 4
- **MEB672** Total Quality Management  
  8 3
- **MEB678** Plastics Technology  
  8 3
- **MEB778** Concurrent Engineering  
  8 3
- **MEB871** Computer Control of Manufacturing Systems  
  8 4
- **MEB879** Manufacturing Resources Planning  
  8 3

### Year 5, Semester 1
- **MEB901** Industry Project  
  32 40
- **MIB210** Export Management  
  12 3
- **MIB311** Services Marketing  
  12 3
Year 5, Semester 2
MEB872 Design for Manufacturing 3 8 3
MEB940 Knowledge Based Manufacturing Systems 8 3
MEB983 Industrial Automation 8 3
MIB216 Marketing Decision Making 12 3
MIB315 Strategic Marketing 12 3
Elective Unit (select one unit from List A)

Elective List
List A
MEB602 Special Topic 2 8 3
MEB661 Tribology 8 4
MEB741 Maintenance Management & Technology 8 3

Bachelor of Surveying/Bachelor of Information Technology (IF54)

See course requirements and notes relating to undergraduate courses in the Faculty of Built Environment and Engineering, and the Faculty of Information Technology sections.

Location: Gardens Point campus

Course Duration: 5 years full-time

Total Credit Points: 542

Standard Credit Points/Full-Time Semester: 55 (average)

Course Coordinators:
Surveying: Associate Professor Brian Hannigan
Information Technology: Mr. Michael Middleton

Professional Recognition
This course will be accredited by the Australian Computer Society as meeting the knowledge requirements associated with the grade of 'Member' of the Society. Graduates of the course are eligible to apply for registration as a Surveyor by the Surveyors Board of Queensland. Further experience and assessment is required for licensing.

Special Course Requirements
Students must obtain at least 90 days of industrial experience/practice in a surveying environment approved by the Course Coordinator.

Students must, not later than the fourth week of semester immediately following each period of industrial experience/practice, submit to the Surveying Course Coordinator a report or diary in the required format, describing the work carried out during the period of experience/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the School of Planning, Landscape Architecture and Surveying Office or the Faculty Industrial Employment Officer in Room 1006, ITE Building, Gardens Point campus. Should employment exceed the minimum required, it is strongly recommended that these details also be recorded in the report or diaries and certified by the employer as a record of experience which may be used when seeking registration or licensing by the Surveyors Board.

Students should not formally enrol in industrial experience/practice.

Students may be required to attend field camps off-campus and/or practical sessions in the Moreton region.
### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>ITB101 Laboratory 1 (Computing Environments)</td>
<td>12</td>
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<tr>
<td>ITB210 Formal Representation</td>
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<td>3</td>
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<tr>
<td>ITB410 Software Development I</td>
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<td>MAB103 Introductory Engineering Mathematics</td>
<td>8</td>
<td>3</td>
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<td>PSB315 Land Administration I</td>
<td>6</td>
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**Year 1, Semester 2**

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<tr>
<td>ITB102</td>
<td>Laboratory 2 (Computer Applications)</td>
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<td>ITB411</td>
<td>Software Development 2</td>
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<td>ITB412</td>
<td>Technology of Information Systems</td>
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<tr>
<td>MAB188</td>
<td>Engineering Mathematics 1B</td>
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<tr>
<td>PSB326</td>
<td>Land Surveying 2</td>
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**Year 2, Semester 1**

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<td>MAB494</td>
<td>Survey Mathematics 1</td>
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<td>PHB172</td>
<td>Physics for Surveyors</td>
<td>8</td>
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<td>PSB327</td>
<td>Land Surveying 3</td>
<td>10</td>
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<tr>
<td>PSB342</td>
<td>Spatial Information Science</td>
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**Year 2, Semester 2**

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<tbody>
<tr>
<td>ESB229</td>
<td>Geology in the Built Environment</td>
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<td>ITB310</td>
<td>Information Management 1</td>
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<td>MAB496</td>
<td>Survey Mathematics 2</td>
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<td>Cartography 1</td>
<td>8</td>
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<td>PSB328</td>
<td>Land Surveying 4</td>
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<td>3</td>
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<tr>
<td>PSB334</td>
<td>Photogrammetry 1</td>
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**Year 3, Semester 1**

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>ITB320</td>
<td>Laboratory 3 (Database Applications)</td>
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<td>MAB795</td>
<td>Survey Mathematics 3</td>
<td>6</td>
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<td>MAB893</td>
<td>Engineering Mathematics 3</td>
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<tr>
<td>MEB221</td>
<td>Engineering Science 1</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>PSB307</td>
<td>Cartography 2</td>
<td>10</td>
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<tr>
<td>PSB340</td>
<td>Remote Sensing 1</td>
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**Year 3, Semester 2**

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<thead>
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<th>Course Code</th>
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<th>Credit Points</th>
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<tbody>
<tr>
<td>ITB323</td>
<td>Laboratory 4 (Information Support Methods)</td>
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<tr>
<td>ITB331</td>
<td>Information Management 2</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSB303</td>
<td>Analysis of Spatial Measurement 1</td>
<td>6</td>
<td>3</td>
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<td>PSB308</td>
<td>Cartography 3</td>
<td>8</td>
<td>3</td>
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<tr>
<td>PSB317</td>
<td>Land Administration 3</td>
<td>8</td>
<td>3</td>
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<tr>
<td>SSB937</td>
<td>Applied Cognitive Psychology</td>
<td>12</td>
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**Year 4, Semester 1**

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>ITB321</td>
<td>Systems Analysis</td>
<td>12</td>
<td>3</td>
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<td>PSB304</td>
<td>Analysis of Spatial Measurement 2</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>PSB309</td>
<td>Cartography 4</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PSB329</td>
<td>Land Surveying 5</td>
<td>8</td>
<td>3</td>
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<tr>
<td>PSB333</td>
<td>Map Projections</td>
<td>6</td>
<td>3</td>
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<td>PSB335</td>
<td>Photogrammetry 2</td>
<td>8</td>
<td>3</td>
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<tr>
<td>PSB346</td>
<td>Spheroidal Computations</td>
<td>6</td>
<td>3</td>
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</tbody>
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11. **MAB103 Introductory Engineering Mathematics** is to be taken only by those students not obtaining a SA or better in Queensland Mathematics C.

12. **Students who have already completed ITB411** should contact the Information Technology Course Coordinator to determine a substitute unit.
Year 4, Semester 2
ITB341 Information Management 3 12 3
ITB520 Data Communications 12 3
PSB310 Geodesy 1 6 3
PSB330 Land Surveying 6 8 3
PSB336 Photogrammetry 3 8 3
PSB343 Spatial Information Science 2 8 3

Year 5, Semester 1
IFB880/1 Project 12 3
ITB330 Information Issues & Values 12 3
PSB344 Spatial Information Science 3 8 3
Elective Unit(s) 24

Year 5, Semester 2
IFB880/2 Project 12 3
PSB316 Land Administration 2 8 3
PSB324 Land Studies 2 6 3
PSB338 Professional Practice 6 3
PSB345 Spatial Information Science 4 8 3
Elective Unit 12

Elective Units
General elective units may be chosen from any unit in a QUT degree course subject to prerequisites and approval. The offering of elective units in any semester depends on sufficient minimum enrolments and availability of staff.

Recommended Business elective units are:

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>BSB110 Accountancy</td>
<td>12</td>
<td>3</td>
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<tr>
<td>BSB113 Economics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB115 Management, People &amp; Organisations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB116 Marketing &amp; International Business</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MGB207 Managing Human Resources</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MJB118 Fundamentals of Photography</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MJB200 Video Drama Production</td>
<td>12</td>
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<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>BSB114 Government, Business &amp; Society</td>
<td>12</td>
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<tr>
<td>BSB115 Management, People &amp; Organisations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB116 Marketing &amp; International Business</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>COB213 Strategic Speech Communication</td>
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<td>3</td>
</tr>
<tr>
<td>COB325 Public Relations Theory &amp; Practice</td>
<td>12</td>
<td>3</td>
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<td>ESB102 Economics 2</td>
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<tr>
<td>MGB207 Managing Human Resources</td>
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</table>

- Bachelor of Surveying/Bachelor of Information Technology (IF55) (Mid-year entry)

See course requirements and notes relation to undergraduate courses in the Faculty of Built Environment and Engineering, and the Faculty of Information Technology sections.

Location: Gardens Point campus

Course Duration: 4.5 years full-time

Total Credit Points/Full-Time Semester: 55 (average)

Course Coordinators:
Surveying: Associate Professor Brian Hannigan
Information Technology: Mr Michael Middleton
Professional Recognition

This course has been accredited by the Australian Computer Society as meeting the knowledge requirements associated with the grade of ‘Member’ of the Society. Graduates of the course are eligible to apply for registration as a Surveyor by the Surveyors Board of Queensland. Further experience and assessment is required for licensing.

Special Course Requirements

Students must obtain at least 90 days of industrial experience/practice in a surveying environment approved by the Course Coordinator.

Students must, not later than the fourth week of the semester immediately following each period of industrial employment/practice, submit to the Course Coordinator a report or diary in the required format, describing the work carried out during the period of employment/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the School Office or Faculty Industrial Employment Officer in Room 1006, ITE Building, Gardens Point campus. Should employment exceed the minimum required, it is strongly recommended that these details also be recorded in the report or diaries and certified by the employer as a record of experience which may be used when seeking registration or licensing by the Surveyors Board.

Students should not formally enrol in industrial employment/practice.

Students may be required to attend field camps off-campus and/or practical sessions in the Moreton region.

Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>ESB229 Geology in the Built Environment</td>
<td>8</td>
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<tr>
<td>ITB310 Information Management 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MAB103 Introductory Engineering Mathematics</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>OR MAB187 Engineering Mathematics 1A</td>
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<td>PHB172 Physics for Surveyors</td>
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<td>PSB054 Environmental Science</td>
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<td>PSB306 Cartography 1</td>
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Summer School

| MAB188 Engineering Mathematics 1B | 8             | 4             |
| PSB325 Land Surveying 1          | 8             | 3             |
| PSB326 Land Surveying 2          | 8             | 3             |

Year 2, Semester 1

| BSB118 Business Communication & Application Systems | 12            | 3             |
| ITB101 Laboratory 1 (Computing Environments)       | 12            | 3             |
| ITB210 Formal Representation                        | 12            | 3             |
| ITB410 Software Development 1                       | 12            | 3             |
| MAB494 Surveying Mathematics 1                      | 6             | 3             |
| PSB327 Land Surveying 3                            | 10            | 3             |

Year 2, Semester 2

| ITB102 Laboratory 2 (Computing Applications)        | 12            | 3             |
| ITB411 Software Development 2                       | 12            | 3             |
| ITB412 Technology of Information Systems            | 12            | 3             |
| MAB496 Surveying Mathematics 2                      | 6             | 3             |
| PSB334 Photogrammetry 1                             | 6             | 3             |

13 MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Mathematics C.
### Year 3, Semester 1
<table>
<thead>
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<th>Code</th>
<th>Course</th>
<th>CP</th>
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<tbody>
<tr>
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<td>PSB307</td>
<td>Cartography</td>
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<td>Remote Sensing</td>
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### Year 3, Semester 2
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<td>PSB317</td>
<td>Land Administration</td>
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<td>SSB937</td>
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### Year 4, Semester 1
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<tbody>
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<td>PSB304</td>
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<td>Cartography</td>
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<td>Land Surveying</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PSB333</td>
<td>Map Projections</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>PSB346</td>
<td>Spheroidal Computations</td>
<td>6</td>
<td>3</td>
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### Year 4, Semester 2
<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>CP</th>
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<tbody>
<tr>
<td>ITB323</td>
<td>Laboratory 4 (Information Support Methods)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB341</td>
<td>Information Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB520</td>
<td>Data Communications</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSB310</td>
<td>Geodesy</td>
<td>6</td>
<td>3</td>
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<tr>
<td>PSB330</td>
<td>Land Surveying 6</td>
<td>8</td>
<td>3</td>
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<tr>
<td>PSB343</td>
<td>Spatial Information Science</td>
<td>8</td>
<td>3</td>
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### Year 5, Semester 1
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>IFB880/1</td>
<td>Project</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB330</td>
<td>Information Issues &amp; Values</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSB335</td>
<td>Photogrammetry</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PSB344</td>
<td>Spatial Information Science 3</td>
<td>8</td>
<td>3</td>
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### Year 5, Semester 2
<table>
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<tr>
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<tr>
<td>IFB880/2</td>
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<td>12</td>
<td>3</td>
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<tr>
<td>PSB316</td>
<td>Land Administration 2</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PSB324</td>
<td>Land Studies</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>PSB338</td>
<td>Professional Practice</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>PSB345</td>
<td>Spatial Information Science 4</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PSB336</td>
<td>Photogrammetry</td>
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<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td></td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

#### Elective Units
General elective units may be chosen from any unit in a QUT degree course subject to prerequisites and approval. The offering of elective units in any semester depends on sufficient minimum enrolments and availability of staff.

Recommended Business elective units are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB110</td>
<td>Accountancy</td>
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<td>BSB113</td>
<td>Economics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB115</td>
<td>Management, People &amp; Organisations</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
### New Opportunities in Tertiary Education (NOTE) Program (BN10)

**Location:** Gardens Point campus

**Course Duration:** 1 year

**Standard Credit Points/Full-Time Semester:** 36

**Course Coordinators:** Mrs Jenny Danslow, Ms Deborah Messer

A one-year bridging program for women. The program provides bridging tuition to enable women who have the abilities – but not the entry requirements – to undertake study in engineering, science or technology courses at QUT.

This program assists with articulation into certain courses within the Faculties of Built Environment and Engineering, Information Technology and Science.

Students are guided into a study program which takes account of their background and the course to which entry is sought. Units are selected from a combination of bridging units and units from the first year degree program to which entry is sought. The bridging units are as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS200</td>
<td>Chemistry</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>ITB001</td>
<td>Computing Practice (NOTE) I</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>ITB002</td>
<td>Computing Practice (NOTE) 2</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>MAS090</td>
<td>Mathematics (a full year unit)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MAS091</td>
<td>Mathematics</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>PHS021</td>
<td>Introductory Physics</td>
<td>6</td>
<td>3</td>
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</table>
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FACULTY OF ARTS

Course Structures

Master of Arts (AT22)

With specialisations in Dance, Drama, Music, Visual Arts, Creative Writing, Film and Television Production, Journalism, Media Studies, Humanities and Social Science.

Location:
Kelvin Grove campus: Dance, Drama, Music, Visual Arts
Gardens Point campus: Creative Writing, Film and Television Production, Journalism, Media Studies
Carseldine campus: Humanities, Social Science

Course Duration:
1 1/2 years full-time, 3 years part-time (3 year qualified entry)
1 year full-time, 2 years part-time (4 year qualified entry)

Total Credit Points: 144 or 96

Standard Credit Points/Full-time Semester: 48

Course Coordinator: Associate Professor Susan Street (Academy of the Arts)

Postgraduate Studies Coordinators:
Academy of the Arts: Associate Professor Susan Street
School of Humanities: Dr Kayleen Hazlehurst
School of Media & Journalism: Associate Professor Stuart Cunningham
School of Social Science: Dr Paul Harrison

Entry Requirements
To be eligible for admission, an applicant must hold the following:
(i) an approved honours degree, or
(ii) an approved postgraduate diploma, or
(iii) an approved bachelor’s degree at an acceptable standard, or
(iv) other qualifications deemed acceptable which may include substantial relevant experience.

Course Structure
Students with an approved 4 year entry qualification will normally not undertake coursework units. They will undertake a 96 credit thesis or research project.

Students in Creative Writing, Dance, Drama, Film and Television Production, Journalism, Media Studies, Music or Visual Arts with an approved 3 year entry qualification will normally undertake 48 credit points of core studies and a 96 credit point research project.

Core Units – Dance, Drama, Music and Visual Arts

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAN001</td>
<td>Arts Research Methods 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAN003</td>
<td>Aesthetic Codes in Contemporary Society</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAN002</td>
<td>Arts Research Methods 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAN004</td>
<td>Graduate Seminar</td>
<td>12</td>
<td>3</td>
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</table>
Core Units – Creative Writing, Film and Television Production, Journalism, Media Studies

<table>
<thead>
<tr>
<th>Units</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAN001 Arts Research Methods 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Plus 3 of:</td>
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<td></td>
</tr>
<tr>
<td>MJPI01 Media Theory</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJPI02 Media Policy Environment</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJPI03 Creative Writing Theory</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJPI05 Theories of Journalism</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Research Component

The research component of the course may be undertaken as a thesis only or as a creative project with an analytical component. It is possible to undertake a significant creative work such as a theatrical or music production, a book-length work of fiction or non-fiction, or a film or multimedia script or production. A resource assessment of the research project must be approved by the Head of School or Academy.

Full-Time (one year)

| ATN005/1 Research Project | 48          |
| ATN005/2 Research Project | 48          |

Part-Time – students follow one of the following patterns depending upon the timing of the core units in their program.

1. ATN006/1 Research Project 24
   ATN006/2 Research Project 24
   ATN006/3 Research Project 24
   ATN006/4 Research Project 24

2. ATN007/1 Research Project 12
   ATN007/2 Research Project 12
   ATN007/3 Research Project 24
   ATN007/4 Research Project 24
   ATN007/5 Research Project 24

Master of Fine Arts (AA24)

With majors in Dance, Drama, Music and Visual Arts

Location: Kelvin Grove Campus

Course Duration: 1.5 years full-time or 3 years part-time

Total Credit Points: 144

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Brad Haseman

Discipline Coordinators:
Dance: Ms Kristen Bell
Drama: Ms Brad Haseman
Music: Mr Adrian Thomas
Visual Arts: Associate Professor David Hawke

Entry Requirements

To be eligible for admission, applicants must hold an appropriate Bachelor degree (or equivalent, which may include substantial work experience) at a standard considered acceptable by the Discipline Coordinator. This would normally constitute a grade point average of 5 or higher on a seven-point scale across undergraduate studies undertaken.
All applicants are required to attend an interview with the relevant Discipline Coordinator. In addition, Visual Arts applicants are required to submit a folio.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAN003 Aesthetic Codes in Contemporary Society</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAN011 Advanced Professional Practice 1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>AAN012 Advanced Professional Practice 2</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td></td>
</tr>
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<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAN013 Advanced Professional Practice 3</td>
<td>24</td>
<td>24</td>
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<tr>
<td>Elective Unit</td>
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<table>
<thead>
<tr>
<th>Semester 3</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATN004 Research Project – 4 units</td>
<td>48</td>
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</tbody>
</table>

### Research Project

The MFA Research Project in Dance, Drama, Music or Visual Arts will be undertaken as a 48 credit point project. Full-time students will enrol in ATN004 Research Project – 4 units (48 credit points). Part-time students proceed through the project by enrolling each semester in either of the repeatable units ATN001 Research Project – 1 unit (12 credit points) or ATN002 Research Project – 2 units (24 credit points).

### Elective Units
Details of elective units can be obtained from the Discipline Coordinator.

---

**Master of Social Science (Counselling) (SS12)**

**Location:** Carseldine campus  
**Course Duration:** 3 years part-time  
**Total Credit Points:** 144  
**Standard Credit Points/Part-Time Semester:** 24  
**Course Coordinator:** Mr Glen Guy

### Entry Requirements

To be eligible for admission, an applicant must have:

(i) an approved degree in a human service or related area  
(ii) at least two years’ work experience  
(iii) access to ongoing counselling related work with clients  
(iv) personal suitability.

### Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>SSN000 Counselling Studies 1</td>
<td>12</td>
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<tr>
<td>SSN001 Professional Studies 1</td>
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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>SSN002 Counselling Studies 2</td>
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<td>3</td>
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<td>SSN003 Group Studies</td>
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<tr>
<td>SSN004 Counselling Studies 3</td>
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<tr>
<td>SSN005 Research Methods &amp; Issues</td>
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Year 2, Semester 2
SSN006 Professional Studies 2 12 3
One elective selected from:
SSN009 Family Therapy Practice 12 3
SSN010 Career Counselling 12 3
SSN011 Independent Study 12
SSN012 Counselling & Organisations 12 3
SSN013 Advanced Counselling Studies 12 3

Year 3, Semester 1
SSN007 Professional Studies 3 12 3
SSN008/1 Project 12 3 (equiv.)

Year 3, Semester 2
SSN008/2 Project 24 6 (equiv.)

Graduate Diploma of Arts (MJ23)
With majors in: Film and Television Production, Journalism, Media Studies

Location: Gardens Point campus
Course Duration: 1 year full-time, 2 years part-time
Total Credit Points: 96
Standard Credit Points/Part-Time Semester: 24
Course Coordinator: Associate Professor Philip Neilsen

Transitional Arrangements for Continuing Students
Continuing students (who commenced studies prior to 1996) in the degrees Graduate Diploma of Communication, Film and Television Production and Graduate Diploma of Communication, Journalism are free to continue their studies as per the courses in the 1995 handbook. Where unit names have changed, some substitution may be necessary. Please contact your Subject Area Coordinator, Mr Ridley Williams or Associate Professor Len Granato.

Continuing students may also choose to transfer to the Graduate Diploma of Arts degree. Students wishing to take this latter option should contact their Subject Area Coordinator (above) to arrange for a transitional contract.

Course Requirements
Applicants must have a degree or diploma from a recognised tertiary institution, with the proviso that diploma graduates may be required to undertake additional work at the discretion of the Course Coordinator.

A limited number of special entry places will be available to practitioners in the relevant professions who, while possessing no formal degree, can demonstrate and document significant experiential grasp of their professions. These candidates will be senior members of their profession.

An applicant who does not meet the requirements for normal entry may present documentary evidence of qualifications, experience and other relevant information for special consideration.

QUT Film & Television Production, Journalism and Media Studies graduates, if they enrol in the Graduate Diploma course, must select a major different from their undergraduate major.

Except in exceptional circumstances and with the approval of the Dean of the Faculty, a part-time student may not enrol for more than two units in any one semester. Prerequisites
for all units with MJB codes may be waived for students in the Graduate Diploma in Arts at the discretion of the Course Coordinator.

FILM AND TELEVISION PRODUCTION

<table>
<thead>
<tr>
<th>Year, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MJPI02 Media Policy Environment</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJB155 Media Production</td>
<td>12</td>
<td>5</td>
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<tr>
<td>MJB127 Film Narrative</td>
<td>12</td>
<td>3</td>
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<tr>
<td>Select one of the following units:</td>
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<td></td>
</tr>
<tr>
<td>MJP101 Media Theory</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJP105 Theories of Journalism</td>
<td>12</td>
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<table>
<thead>
<tr>
<th>Year, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MJB200 Video Drama Production</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>MJB229 Film &amp; Television Scriptwriting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select two of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AAN001 Arts Research Methods 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Elective Unit</td>
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<table>
<thead>
<tr>
<th>Year, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>MJPI02 Media Policy Environment</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJB127 Film Narrative</td>
<td>12</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Year, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MJB155 Media Production</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>MJB229 Film &amp; Television Scriptwriting</td>
<td>12</td>
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</table>

<table>
<thead>
<tr>
<th>Year, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>MJPI02 Media Policy Environment</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJB127 Film Narrative</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJB200 Video Drama Production</td>
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<tr>
<td>Select one of the following units:</td>
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<td></td>
</tr>
<tr>
<td>MJP101 Media Theory</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJP105 Theories of Journalism</td>
<td>12</td>
<td>3</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Year, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select two of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AAN001 Arts Research Methods 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
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</table>

JOURNALISM

<table>
<thead>
<tr>
<th>Year, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MJPI00 Journalistic Writing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJP105 Theories of Journalism</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJB239 Journalistic Ethics &amp; Issues</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MJP101 Media Theory</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJP102 Media Policy Environment</td>
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<table>
<thead>
<tr>
<th>Year, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MJB224 Feature Writing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MJB322 Sub-editing &amp; Layout</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJB232 Radio &amp; Television Journalism 1</td>
<td>12</td>
<td>3</td>
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</table>
Select two of the following units:
- HUB900  Research Issues & Contexts  12  3
- MJB155  Media Production  12  3
- Elective Unit  12
- Elective Unit  12

Part-Time Course Structure

Year 1, Semester 1
- MJP100  Journalistic Writing  12  3
- MJP105  Theories of Journalism  12  3

Year 1, Semester 2
- MJB224  Feature Writing  12  3
Select one of the following units:
- MJB322  Sub-editing & Layout  12  3
- MJB155  Media Production  12  3

Year 2, Semester 1
- MJB239  Journalistic Ethics & Issues  12  3
Select one of the following units:
- MJB232  Radio & Television Journalism 1  12  3
- MJP101  Media Theory  12  3
- MJP102  Media Policy Environment  12  3

Year 2, Semester 2
Select two of the following units:
- HUB900  Research Issues & Contexts  12  3
- Elective Unit  12
- Elective Unit  12

MEDIA STUDIES

Full-Time Course Structure

Credit Points  Contact Hrs/Wk

Year 1, Semester 1
- MJP101  Media Theory  12  3
Select one of the following units:
- MJP102  Media Policy Environment  12  3
- MJP105  Theories of Journalism  12  3
Select two of the following units:
- MJB141  Film & Television Language  12  4
- MJB147  Film & Television Genres  12  3
- MJB307  Feminist Media Studies  12  3
- MJB346  Australian Documentary: Film & Television  12  3
- MJB310  Asian & Latin American Film  12  3

Year 1, Semester 2
Select two of the following units:
- MJB305  American Film & Society  12  3
- MJB209  Australian Television  12  3
- MJB343  Australian Film  12  3
- MJB344  European Cinema  12  3
- MJB336  New Media Technologies  12  3
Select two of the following units:
- HUB900  Research Issues & Contexts  12  3
- Elective Unit  12
- Elective Unit  12

Part-Time Course Structure

Year 1, Semester 1
- MJP101  Media Theory  12  3
Select one of the following units:
MJB141 Film & Television Language 12 4
MJB147 Film & Television Genres 12 3
MJB307 Feminist Media Studies 12 3
MJB346 Australian Documentary: Film & Television 12 3
MJB310 Asian & Latin American Film 12 3

Year 1, Semester 2
Select two of the following units:
MJB305 American Film & Society 12 3
MJB209 Australian Television 12 3
MJB343 Australian Film 12 3
MJB336 New Media Technologies 12 3
MJB344 European Cinema 12 3

Year 2, Semester 1
Select one of the following units:
MJP102 Media Policy Environment 12 3
MJP105 Theories of Journalism 12 3
Select one other unit from the Year 1, Semester 1 list

Year 2, Semester 2
Select two of the following units:
HUB900 Research Issues & Contexts 12 3
Elective Unit 12
Elective Unit 12

■ Graduate Certificate in Arts (Creative Writing) (AT24)
Location: Gardens Point campus
Course Duration: 1 year part-time
Total Credit Points: 48
Standard Credit Points/Part-Time Semester: 24
Course Coordinator: Associate Professor Philip Neilsen

Course Requirements
Applicants will normally have a Bachelor degree in any field, although other evidence that a candidate could cope adequately with postgraduate study (for example, employment at a relatively senior level, relevant industry experience) will be looked on favourably.

Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MJB350 Creative Writing &amp; Publishing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Plus one of:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Either</td>
<td></td>
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<tr>
<td>MJB111 Media Writing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
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<tr>
<td>MJB127 Film Narrative</td>
<td>12</td>
<td>3</td>
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<tr>
<td>OR</td>
<td></td>
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</tr>
<tr>
<td>MJB250 Language &amp; Literature</td>
<td>12</td>
<td>3</td>
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<tr>
<td>OR</td>
<td></td>
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</tr>
<tr>
<td>MJP103 Creative Writing Theory *</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>

* At the discretion of the Course Coordinator.
Semester 2
MJB229 Film & Television Scriptwriting 12 3
Plus one of:
Either
MJB224 Feature Writing 12 3
OR
MJB250 Language & Literature 12 3

Bachelor of Arts (Honours) (Dance/Drama/Visual Arts) (AA40)

With majors in Dance, Drama, Visual Arts

Location: Kelvin Grove campus

Course Duration: 1 year full-time

Total Credit Points: 96

Discipline Coordinators:
Dance: Ms Kristen Bell
Drama: Ms Jacqueline Hamilton-Lavery
Visual Arts: Dr Andrew McNamara

Course structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
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<tbody>
<tr>
<td>AAB001/1 Research Project 24</td>
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<tr>
<td>AAB004 Contemporary Aesthetic Debates 12</td>
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</tr>
<tr>
<td>Select from List A 12</td>
<td>3</td>
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<tr>
<td>Elective 1 12</td>
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<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tr>
<td>AAB002 Graduate Seminar 12</td>
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</tr>
<tr>
<td>AAB001/2 Research Project 24</td>
<td></td>
<td></td>
</tr>
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</table>

List A

| AAB005 Readings in Visual Arts 12 | 3 |
| AAB006 Feminist Studies in the Arts 12 | 3 |
| AAN202 Textual Analysis 12 | 3 |
| AAN200 Dramaturgy 12 | 3 |

Faculty Core Units

From 1996 all Faculty of Arts Bachelor degree courses will contain Faculty core units as part of their requirements. Commencing students will be required to complete four of six Faculty core units. Particular degrees may designate up to two units and the remaining two units will be student choice. For 1996, the approved Faculty core units are as follows:

ATB100 Texts & Meanings
AAB051 Arts in Society
HUB600 Australian Society & Culture
MJB140 Media & Society
SSB002 Introduction to Human Rights
SSB003 Introduction to Psychology

Students should consult the specific requirements of their particular course/strand to see which core units are designated and in which semesters core units are located.

1 Students may choose units from elsewhere in the University which are deemed by the Discipline Coordinator to be relevant to the research project.
Bachelor of Arts (Humanities) (HU20)

Location: Carseldine campus
Course Duration: 3 years full-time or 6 years part-time
Total Credit Points: 288
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr Joe Grixti
Humanities Administration Officer: Ms Norma Petersen

Students must complete:
- the first-year requirements
- four Faculty Core units (one per semester over the first two years of study), and
- one of the major study sequences offered by the School of Humanities.

They may also choose to complete a second major study sequence, one or more minor study sequences, or a range of elective units.

Students may complete up to 96 credit points offered by other Schools/Faculties as part of their degree. This total excludes the two Faculty Core Units not offered by Humanities, but includes any units completed outside Humanities as part of a major.

Students who enter the course with advanced standing should discuss their enrolment with the Course Coordinator.

Year 1
During their first year, students must enrol in eight Humanities units as follows:
(i) two Faculty Core Units offered by Humanities (one per semester)
(ii) four of the entry level units to the majors and minors, OR two entry level units and two LOTE units
(iii) two further Humanities entry level units OR two designated electives from their chosen major.

Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATB100 Texts and Meanings (Faculty Core Unit)</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Select three of the following, of which at least two must be chosen from List A:

LIST A (Entry Level Units to Humanities Majors and Minors; and to LOTE Studies)

- HUB610 Approaches to Asia/Pacific Studies 12 3
- HUB680 Approaches to Australian Studies 12 3
- HUB772 Introduction to Politics: Political Ideologies 12 3

LOTE Studies: Students wishing to study a language other than English should select one of the following LOTE units:

- HUB650 Introductory Indonesian 1 OR 12 4
- HUB652 Indonesian Language & Culture 1 (for students who have completed Year 12 Indonesian or equivalent) 12 4
- HUB660 Introductory Japanese 1 OR 12 4
- HUB662 Japanese Language & Culture 1 (for students who have completed Year 12 Japanese or equivalent) 12 4

2 Students who wish to enrol in more than one LOTE unit must have permission from the Course Coordinator. Students will normally not be allowed to enrol in two LOTE units at the introductory level.
HUB670 Introductory French 1
OR
HUB672 French Language & Culture 1 (for students who have completed Year 12 French or equivalent)
HUB735 Introductory German 1
OR
HUB737 German Language & Culture 1 (for students who have completed Year 12 German or equivalent)

LIST B
One of the following electives may be chosen:

HUB612 Modern Indonesian Studies (elective in the Asia/Pacific Studies Major)
HUB710 Australian Literary Studies (elective in the Australian Studies Major)
HUB721 The Classical World (elective in the European Studies Major)
HUB772 Introduction to Politics: Political Ideologies (elective in the Applied Ethics Major)

Year 1, Semester 2
HUB600 Australian Society and Culture (Faculty Core Unit)

Select three of the following, of which at least two must be chosen from List A.

LIST A (Entry Level Units to Humanities Majors and Minors, and to LOTE Studies)

HUB720 Approaches to European Studies
HUB750 Understanding Ethics
HUB760 Approaches to Feminist Studies

LOTE Studies
Students wishing to study a language other than English should select one of the following LOTE units:

HUB651 Introductory Indonesian 2
OR
HUB653 Indonesian Language & Culture 2 (for students who have completed Year 12 Indonesian or equivalent)
HUB661 Introductory Japanese 2
OR
HUB663 Japanese Language & Culture 2 (for students who have completed Year 12 Japanese or equivalent)
HUB671 Introductory French 2
OR
HUB673 French Language & Culture 2 (for students who have completed Year 12 French or equivalent)
HUB736 Introductory German 2
OR
HUB738 German Language & Culture 2 (for students who have completed Year 12 German or equivalent)

LIST B
One of the following electives may be chosen:

HUB601 Human Identity & Change (elective in the Applied Ethics Major)
HUB626 Contemporary South East Asia (elective in the Asia/Pacific Studies Major)
HUB694 Australian Politics (elective in the Australian Studies Major)
HUB724 Nineteenth Century English Literature & Culture (elective in the European Studies Major)

Years 2 and 3
Students must enrol in two further Faculty Core Units from the following list. These should be completed during second year (one per semester):
In addition, students must complete a minimum of 96 credit points of advanced elective units in their chosen Major Study sequence. Up to two of these advanced level units may be from approved offerings of other Schools/Faculties.

**MAJOR STUDY SEQUENCES**

**APPLIED ETHICS MAJOR**

**Introductory (Compulsory)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUB750</td>
<td>Understanding Ethics</td>
<td>12 3</td>
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</tbody>
</table>

**Advanced (Elective Units)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUB751</td>
<td>Public &amp; Professional Ethics</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB752</td>
<td>The Just Society</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB753</td>
<td>Ethical Decision-making</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB754</td>
<td>Feminism &amp; Ethics</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB755</td>
<td>Vulnerable Identities</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB756</td>
<td>Seminar in Ethics &amp; Public Philosophy (Advanced Seminar)</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB757</td>
<td>Ethics, Technology &amp; the Environment</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB758</td>
<td>Seminar in Health Care Ethics (Advanced Seminar)</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB601</td>
<td>Human Identity &amp; Change</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB617</td>
<td>Women, Aid &amp; Development</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB682</td>
<td>Social Movements in Australia</td>
<td>12 2</td>
</tr>
<tr>
<td>HUB687</td>
<td>Contemporary Moral Problems</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB772</td>
<td>Introduction to Politics: Political Ideologies</td>
<td>12 3</td>
</tr>
<tr>
<td>SSB037</td>
<td>Studies in Human Rights</td>
<td>12 3</td>
</tr>
</tbody>
</table>

**ASIA/PACIFIC STUDIES MAJOR**

Asia/Pacific Studies offers four options. Students studying one of the three language options are encouraged to complete a 120 credit point extended major. Students specialising in a LOTE may apply for an in-country semester study option. In this case, students enrol in HUB648 In-country Semester (48 credit points).

**Option 1 – Asia/Pacific Political, Cultural and Development Studies (96 credit points)**

**Introductory (Compulsory)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUB610</td>
<td>Approaches to Asia/Pacific Studies</td>
<td>12 3</td>
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</table>

**Advanced (Elective Units)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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</thead>
<tbody>
<tr>
<td>HUB612</td>
<td>Modern Indonesian Studies</td>
<td>12 3</td>
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<tr>
<td>HUB617</td>
<td>Women, Aid &amp; Development</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB618</td>
<td>Asian Women: Tradition, Colonisation &amp; Revolution</td>
<td>12 3</td>
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<tr>
<td>HUB619</td>
<td>Pacific Culture Contact</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB620</td>
<td>The Pacific Since 1945</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB621</td>
<td>North American Studies</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB622</td>
<td>Latin American Studies</td>
<td>12 3</td>
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<tr>
<td>HUB623</td>
<td>Asia/Pacific Political Studies</td>
<td>12 3</td>
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<tr>
<td>HUB624</td>
<td>Islam &amp; Politics in Southeast Asia (Advanced Seminar)</td>
<td>12 3</td>
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<tr>
<td>HUB625</td>
<td>American Literature</td>
<td>12 3</td>
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<tr>
<td>HUB626</td>
<td>Contemporary South-East Asia</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB627</td>
<td>Australia &amp; the South Pacific</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB628</td>
<td>Modern Japan</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB629</td>
<td>Modern China</td>
<td>12 3</td>
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<tr>
<td>HUB630</td>
<td>Geography of East Asia</td>
<td>12 3</td>
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<tr>
<td>HUB631</td>
<td>Seminar in Japanese Issues (Advanced Seminar)</td>
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</table>

**Option 2 – Indonesian Language and Culture (96 credit points)**

<table>
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<tr>
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<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>HUB610</td>
<td>Approaches to Asia/Pacific Studies</td>
<td>12 3</td>
</tr>
<tr>
<td>HUB612</td>
<td>Modern Indonesian Studies</td>
<td>12 3</td>
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</tbody>
</table>

Sequence of six Indonesian language units:

<table>
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<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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</thead>
<tbody>
<tr>
<td>HUB650</td>
<td>Introductory Indonesian 1</td>
<td>12 4</td>
</tr>
</tbody>
</table>
HUB651 Introductory Indonesian 2 12 4
HUB652 Indonesian Language & Culture 1 12 4
HUB653 Indonesian Language & Culture 2 12 4
HUB654 Indonesian Language & Culture 3 12 4
HUB655 Indonesian Language & Culture 4 12 4
HUB656 Indonesian Language & Culture 5 12 4
HUB657 Indonesian Language & Culture 6 12 4

Students are encouraged to enrol in:
HUB646 International Intensive Program 12
OR
HUB647 International Summer School or equivalent (optional) 24

Option 3 – Japanese Language and Culture (96 credit points)
HUB610 Approaches to Asia/Pacific Studies 12 3
HUB628 Modern Japan 12 3

Sequences of six Japanese language units
HUB660 Introductory Japanese 1 12 4
HUB661 Introductory Japanese 2 12 4
HUB662 Japanese Language & Culture 1 12 4
HUB663 Japanese Language & Culture 2 12 4
HUB664 Japanese Language & Culture 3 12 4
HUB665 Japanese Language & Culture 4 12 4
HUB666 Japanese Language & Culture 5 12 4
HUB667 Japanese Language & Culture 6 12 4

Students are encouraged to enrol in:
HUB646 International Intensive Program 12
OR
HUB647 International Summer School or equivalent (optional) 24

Option 4 – French Language and Culture (96 credit points)
HUB610 Approaches to Asia/Pacific Studies 12 3
HUB619 Pacific Culture Contact 12 3
OR
HUB620 The Pacific Since 1945 12 3

Sequence of six language units
HUB670 Introductory French 1 12 4
HUB671 Introductory French 2 12 4
HUB672 French Language & Culture 1 12 4
HUB673 French Language & Culture 2 12 4
HUB674 French Language & Culture 3 12 4
HUB675 French Language & Culture 4 12 4
HUB676 French Language & Culture 5 12 4
HUB677 French Language & Culture 6 12 4
HUB678 French for Business & the Professions 12 3

Students are encouraged to enrol in:
HUB646 International Intensive Program 12
OR
HUB647 International Summer School or equivalent (optional) 24

AUSTRALIAN STUDIES MAJOR
After passing the compulsory introduction unit HUB680 students may select any other eight Australian Studies units to complete the major. Specialisation on contemporary Australia, historical Australia, literary and cultural studies, or Aboriginal and Torres Strait Islander studies is possible by selecting a majority of units from these strands.

Introductory (Compulsory)
HUB680 Approaches to Australian Studies 12 3

Advanced (Elective Units)
Strand 1 – Contemporary Australia
HUB682 Social Movements in Australia 12 3
HUB683 Australian Geographical Studies 12 3
<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HUB685</td>
<td>Australian Resource Management</td>
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<tr>
<td>HUB687</td>
<td>Contemporary Moral Problems</td>
<td>12</td>
</tr>
<tr>
<td>HUB694</td>
<td>Australian Politics</td>
<td>12</td>
</tr>
<tr>
<td>HUB713</td>
<td>Seminar in Australian Urban Studies (Advanced Seminar)</td>
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**Strand 2 – Historical Australia**

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<th>Course Title</th>
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<tr>
<td>HUB690</td>
<td>Themes in Australian History</td>
<td>12</td>
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<tr>
<td>HUB691</td>
<td>Women’s Past: Women’s History to Feminist Historiography</td>
<td>12</td>
</tr>
<tr>
<td>HUB692</td>
<td>Conspiracy &amp; Dissent in Australian History</td>
<td>12</td>
</tr>
<tr>
<td>HUB693</td>
<td>Australian Race Relations</td>
<td>12</td>
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<tr>
<td>HUB713</td>
<td>Seminar in Australian Urban Studies (Advanced Seminar)</td>
<td>12</td>
</tr>
<tr>
<td>HUB714</td>
<td>Aboriginal Communities in Crisis and Recovery (Advanced Seminar)</td>
<td>12</td>
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</table>

**Strand 3 – Aboriginal and Torres Strait Islander Studies**

Units offered by the Aboriginal and Torres Strait Islander Unit in conjunction with the School of Humanities:

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HUB700</td>
<td>Aboriginal &amp; Torres Strait Islander Culture Studies</td>
<td>12</td>
</tr>
<tr>
<td>HUB690</td>
<td>Themes in Australian History</td>
<td>12</td>
</tr>
<tr>
<td>HUB693</td>
<td>Australian Race Relations</td>
<td>12</td>
</tr>
<tr>
<td>HUB701</td>
<td>Aboriginal &amp; Torres Strait Islander Literature</td>
<td>12</td>
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<tr>
<td>HUB702</td>
<td>The Australian Dreaming: The Indigenous Construction</td>
<td>12</td>
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<tr>
<td>HUB703</td>
<td>Indigenous Politics &amp; Political Culture</td>
<td>12</td>
</tr>
<tr>
<td>HUB713</td>
<td>Seminar in Australian Urban Studies (Advanced Seminar)</td>
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</table>

**Strand 4 – Australian Literary and Cultural Studies**

<table>
<thead>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HUB701</td>
<td>Aboriginal &amp; Torres Strait Islander Literature</td>
<td>12</td>
</tr>
<tr>
<td>HUB710</td>
<td>Australian Literary Studies</td>
<td>12</td>
</tr>
<tr>
<td>HUB711</td>
<td>Australian Women’s Writing</td>
<td>12</td>
</tr>
<tr>
<td>HUB712</td>
<td>Australian Children’s &amp; Adolescent Fiction</td>
<td>12</td>
</tr>
<tr>
<td>HUB713</td>
<td>Seminar in Australian Urban Studies (Advanced Seminar)</td>
<td>12</td>
</tr>
<tr>
<td>HUB714</td>
<td>Aboriginal Communities in Crisis and Recovery (Advanced Seminar)</td>
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</tr>
</tbody>
</table>

**EUROPEAN STUDIES MAJOR**

European Studies offers three options. Students studying one of the language options are encouraged to complete a 120 credit point extended major. Students specialising in a LOTE may apply for an in-country semester study option. In this case, students enrol in HUB648 In-country Semester (48 credit points).

**Option 1 – European History, Literature, and Culture (96 credit points)**

**Introductory (Compulsory)**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUB720</td>
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**Advanced (Elective Units)**

<table>
<thead>
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<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>HUB649</td>
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</tr>
<tr>
<td>HUB721</td>
<td>The Classical World</td>
<td>12</td>
</tr>
<tr>
<td>HUB722</td>
<td>Foundations of Modern Europe</td>
<td>12</td>
</tr>
<tr>
<td>HUB723</td>
<td>War &amp; Revolution in Europe 1914-1945</td>
<td>12</td>
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<tr>
<td>HUB724</td>
<td>Nineteenth Century English Literature &amp; Culture</td>
<td>12</td>
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<tr>
<td>HUB725</td>
<td>Twentieth Century English Literature &amp; Culture</td>
<td>12</td>
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<tr>
<td>HUB726</td>
<td>European Literature &amp; Social Change</td>
<td>12</td>
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<tr>
<td>HUB727</td>
<td>European Literature &amp; Identity</td>
<td>12</td>
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<tr>
<td>HUB728</td>
<td>Popular Literature</td>
<td>12</td>
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<tr>
<td>HUB729</td>
<td>Shakespeare</td>
<td>12</td>
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<tr>
<td>HUB730</td>
<td>Women’s Writing &amp; Representation</td>
<td>12</td>
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<tr>
<td>HUB743</td>
<td>Nations &amp; Nationalism</td>
<td>12</td>
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</tbody>
</table>

**Option 2 – French Language and Culture (96 credit points)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUB720</td>
<td>Approaches to European Studies</td>
<td>12</td>
</tr>
<tr>
<td>HUB723</td>
<td>Europe in the Twentieth Century</td>
<td>12</td>
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</table>

Sequence of six French language units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>HUB670</td>
<td>Introductory French 1</td>
<td>12</td>
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<tr>
<td>HUB671</td>
<td>Introductory French 2</td>
<td>12</td>
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</table>
HUB672  French Language & Culture 1  
HUB673  French Language & Culture 2  
HUB674  French Language & Culture 3  
HUB675  French Language & Culture 4  
HUB676  French Language & Culture 5  
HUB677  French Language & Culture 6  
HUB678  French for Business & the Professions  

Students are encouraged to enrol in:  
HUB646  International Intensive Program OR  
HUB647  International Summer School or equivalent (optional)  

Option 3 – German Language and Culture (96 credit points)  
HUB720  Approaches to European Studies  
HUB723  Europe in the Twentieth Century  
Sequence of six German language units  
HUB735  Introductory German 1  
HUB736  Introductory German 2  
HUB737  German Language & Culture 1  
HUB738  German Language & Culture 2  
HUB739  German Language & Culture 3  
HUB740  German Language & Culture 4  
HUB741  German Language & Culture 5  
HUB742  German Language & Culture 6  

Students are encouraged to enrol in:  
HUB646  International Intensive Program OR  
HUB647  International Summer School or equivalent (optional)  

FEMINIST STUDIES MINOR  
Introductory (Compulsory)  
HUB760  Approaches to Feminist Studies  

Advanced (Elective Units)  
HUB617  Women, Aid & Development  
HUB618  Asian Women: Tradition, Colonisation & Revolution  
HUB691  Women's Past: Women's History to Feminist Historiography  
HUB711  Australian Women's Writing  
HUB730  Women's Writing & Representation  
HUB754  Feminism & Ethics  
HUB761  Nineteenth Century Comparative Women's Writing (Advanced Seminar)  
HUB762  Seminar in Women's Historical Perspectives (Advanced Seminar)  
HUB763  Seminar in Gender and Representation (Advanced Seminar)  

POLITICAL STUDIES MINOR  
Introductory (Compulsory)  
HUB772  Introduction to Politics – Political Ideologies  

Advanced (Elective Units)  
HUB694  Australian Politics  
HUB623  Asia/Pacific Political Studies  
HUB682  Social Movements in Australia  
HUB703  Indigenous Politics & Political Culture  
HUB752  The Just Society  
HUB800  Politics & Markets  
HUB801  Politics & Consumption  
HUB802  Politics & Production  
HUB803  Patterns of Regulation  

The offering of elective units in any semester depends on sufficient minimum enrolments in the unit and the availability of staff. The offering of all electives is subject to the approval of the Head of School.
Bachelor of Arts (Film & Television Production/Journalism/Media Studies) (MJ20)

Location: Gardens Point campus

Course Duration: 3 years full-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Philip Neilsen

Subject Area Coordinators:
Film and Television Production Major: Mr Ridley Williams
Journalism Major: Associate Professor Len Granato
Media Studies Major: Dr Graham Bruce

Transitional Arrangements for Continuing Students

Continuing students (who commenced studies prior to 1996) in the degrees Bachelor of Business, Film and Television Production and Bachelor of Business, Journalism are free to continue their studies as per the courses in the 1995 Handbook. Where unit names have changed, some substitution may be necessary. Please contact your Subject Area Coordinator, Mr Ridley Williams or Associate Professor Len Granato.

Continuing students may also choose to transfer to the Bachelor of Arts degree. Students wishing to take this latter option should contact their Subject Area Coordinator (above) to arrange for a transitional contract.

Course Requirements

Students must complete a Faculty core of four units, a School core of four units and one of the major study strands offered by the School of Media and Journalism. They may choose to complete a second major study sequence, one or more minor study sequences, or a range of elective units. Students may complete up to 72 (and in some cases up to 96) credit points from the offerings of other Schools/Faculties as part of their degree.

FILM AND TELEVISION PRODUCTION MAJOR (FTV)

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hours/Wk</th>
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</thead>
<tbody>
<tr>
<td>MJB140 Media &amp; Society (Faculty Core Unit)</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MJB155 Media Production (School Core Unit)</td>
<td>12</td>
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<tr>
<td>MJB165 Creative Sound Production</td>
<td>12</td>
<td>4</td>
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<tr>
<td>MJB118 Fundamentals of Photography</td>
<td>12</td>
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<tr>
<td>Year 1, Semester 2</td>
<td>Credit Points</td>
<td>Contact Hours/Wk</td>
</tr>
<tr>
<td>MJB111 Media Writing (School Core Unit)</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MJB200 Video Drama Production</td>
<td>12</td>
<td>6</td>
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<td>MJB166 Creative Image Production</td>
<td>12</td>
<td>4</td>
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<tr>
<td>MJB127 Film Narrative</td>
<td>12</td>
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<td>Year 2, Semester 3</td>
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<tr>
<td>Faculty Core Unit – Student Choice</td>
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<td>MJB229 Film &amp; Television Scriptwriting</td>
<td>12</td>
<td>3</td>
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<td>MJB231 Television Studio Production</td>
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<td>Year 2, Semester 4</td>
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<tr>
<td>ATB100 Texts &amp; Meanings (Faculty Core Unit)</td>
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<td>School Core Unit – Student Choice</td>
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<tr>
<td>MJB213 Film Drama Production</td>
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</table>
### Year 3, Semester 5
- **MJB314** Film & Television Business: 12 credits, 3 contact hours/week
- **MJB334** Video Documentary Production: 12 credits, 6 contact hours/week
- Elective: 12 credits, 12 contact hours/week
- Elective: 12 credits, 12 contact hours/week

### Year 3, Semester 6
- Faculty Core Unit – Student Choice: 12 credits, 3 contact hours/week
- School Core Unit – Student Choice: 12 credits, 3 contact hours/week
- Elective: 12 credits, 12 contact hours/week
- Elective: 12 credits, 12 contact hours/week

### Faculty Core:
- Media and Society
- *Texts and Meanings*

### School Core:
- Media Production
- Media Writing

### Plus two of:
- Arts in Society
- *Language and Literature*
- Australian Society and Culture
- *Media Industries and Issues*
- Introduction to Human Rights
- *New Media Technologies*
- Introduction to Psychology
- *Newwriting*

**JOURNALISM MAJOR (JOU)**

**Professional Recognition**

This degree is recognised by the Media Entertainment and Arts Alliance.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>MJB140</td>
<td>Media &amp; Society (Faculty Core Unit)</td>
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<td>MJB101</td>
<td>Journalism Information Systems</td>
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<td>HUB600</td>
<td>Australian Society &amp; Culture (Faculty Core Unit)</td>
<td>12</td>
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<td>MJB120</td>
<td>Newswriting (School Core Unit)</td>
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<td><strong>Year 1, Semester 2</strong></td>
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<td>Faculty Core Unit – Student Choice</td>
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<tr>
<td>MJB180</td>
<td>Speech Communication for Journalists</td>
<td>12</td>
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<td>MJB121</td>
<td>Journalistic Inquiry</td>
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<td>MJB155</td>
<td>Media Production (School Core Unit)</td>
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<td>MJB239</td>
<td>Journalism Ethics &amp; Issues</td>
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<td>MJB224</td>
<td>Feature Writing</td>
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<td>Language &amp; Literature (School Core Unit)</td>
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<td>MJB336</td>
<td>New Media Technologies (School Core Unit)</td>
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<tr>
<td>MJB232</td>
<td>Radio &amp; Television Journalism I</td>
<td>12</td>
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<td><strong>Year 3, Semester 1</strong></td>
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<tr>
<td>MJB322</td>
<td>Sub-editing &amp; Layout</td>
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<tr>
<td>MJB338</td>
<td>Radio &amp; Television Journalism II</td>
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<td><strong>Year 3, Semester 2</strong></td>
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<tr>
<td>MJB303</td>
<td>News Production</td>
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<td>MJB337</td>
<td>Public Affairs Reporting</td>
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**MEDIA STUDIES MAJOR (MST)**

### Full-Time Course Structure

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<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tr>
<td>MJB130 Media Text Analysis</td>
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<td>MJB141 Film &amp; Television Language</td>
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<tr>
<td>MJB140 Media &amp; Society (Faculty Core Unit)</td>
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<td>HUB600 Australian Society &amp; Culture (Faculty Core Unit)</td>
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<tbody>
<tr>
<td>MJB147 Film &amp; Television Genres</td>
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<tr>
<td>MJB111 Media Writing (School Core Unit) OR MJB155 Media Production (School Core Unit)</td>
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<td>Faculty Core Unit – Student Choice</td>
<td>12</td>
<td>3</td>
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<td>Faculty Core Unit – Student Choice</td>
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<tr>
<td>MJB233 Television Cultures</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MJB120 Newswriting (School Core Unit) Elective</td>
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<tr>
<td>MJB209 Australian Television</td>
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<tr>
<td>MJB204 Media Industries &amp; Issues (School Core Unit) Elective</td>
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<tbody>
<tr>
<td>MJB343 Australian Film</td>
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<tr>
<td>MJB305 American Film &amp; Society OR MJB310 Asian &amp; Latin American Cinema</td>
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<td>OR</td>
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<td>MJB344 European Cinema Elective</td>
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<th>Year 3, Semester 2</th>
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<tbody>
<tr>
<td>MJB336 New Media Technologies (School Core Unit)</td>
<td>12</td>
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<tr>
<td>MJB307 Feminist Media Studies OR MJB346 Australian Documentary: Film &amp; Television</td>
<td>12</td>
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<td>12</td>
<td>3</td>
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<tr>
<td>Elective</td>
<td>12</td>
<td>3</td>
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</table>

### Faculty Core:
- Media and Society
- Australian Society and Culture
- Plus two of:
  - Introduction to Human Rights
  - Arts in Society
  - Texts and Meanings
  - Introduction to Psychology

### School Core:
- Media Production
- Language and Literature
- New Media Technologies
- Newswriting
- Media Industries and Issues
- New Media Technologies
**Bachelor of Arts (Honours) (Film & Television Production/Journalism/Media Studies) (MJ21)**

With majors in Film and Television Production, Journalism and Media Studies

**Location:** Gardens Point campus

**Course Duration:** 1 year full-time, 2 years part-time

**Total Credit Points:** 96

**Standard Credit Points/Full Time Semester:** 48

**Course Coordinator:** Associate Professor Stuart Cunningham

**Course Requirements**

Applicants must have:

- completed a Bachelor of Arts degree in the relevant discipline area from QUT or a similar degree from QUT or another university, and must have achieved a level of attainment considered by the Faculty Academic Board to be acceptable for the purposes of proceeding to an Honours degree (normally a GPA of 5 on a seven-point scale).

- Alternatively, candidates who produce evidence of other qualifications and/or experience which is considered by the Faculty Academic Board on advice of the Course Coordinator to qualify the candidate for admission, may be accepted.

**Full-Time Course Structure**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
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<tbody>
<tr>
<td>MJP101 Media Theory (formerly Communication Theory 2)</td>
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<tr>
<td>MJP102 Media Policy Environment (formerly Communication Policy Environment)</td>
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<tr>
<td>MJP105 Theories of Journalism</td>
<td>12</td>
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<tr>
<td>Select one of the following units:</td>
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<tr>
<td>HUB900 Research Contexts &amp; Issues</td>
<td>12</td>
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<tr>
<td>AAN001 Arts Research Methods 1</td>
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<th>Year 1, Semester 2</th>
<th>Credit Points</th>
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<td>MJP106 Dissertation</td>
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**Part-Time Course Structure**

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<tr>
<td>MJP101 Media Theory</td>
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<tr>
<td>Select one of the following units:</td>
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<tr>
<td>MJP105 Theories of Journalism</td>
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<tr>
<td>MJP102 Media Policy Environment</td>
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<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Week</th>
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<tbody>
<tr>
<td>MJP107/1 Dissertation</td>
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<td>Select one of the following units:</td>
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</tr>
<tr>
<td>HUB900 Research Contexts &amp; Issues</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAN001 Arts Research Methods 1</td>
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<table>
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<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Week</th>
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<td>MJP107/2 Dissertation</td>
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<tr>
<td>MJP105 Theories of Journalism</td>
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<td>MJP102 Media Policy Environment</td>
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<th>Year 2, Semester 2</th>
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<th>Contact Hrs/Week</th>
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<tbody>
<tr>
<td>MJP107/3 Dissertation</td>
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</table>
Bachelor of Arts (Honours) (Humanities) (HU21)

Location: Carseldine campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit points/Full-Time Semester: 48

Course Coordinator: Associate Professor Gary Ianziti

Entry Requirements

For detailed regulations relating to Honours programs see the University-wide and Interfaculty Courses section of this Handbook.

Students seeking admission to the BA honours program will normally apply within the final year of their pass degree. However, in accordance with QUT policy, students will be considered for admission within up to 18 months of completing that degree. As part of their application for admission, students will indicate an area of specialisation chosen from a regularly updated list to be provided by the School.

In order to be considered eligible for admission, students will have compiled a grade point average of at least 5.0 over the entire basic course. Students who have demonstrated outstanding performance in the final year of the degree only, or whose application is based on other factors including work experience and involvement in research, may be admitted at the discretion of the Head of School.

Upon admission to the program, students will be assigned to an appropriately qualified dissertation supervisor.

Course Structure

<table>
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<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>HUB900</td>
<td>Research Contexts &amp; Issues</td>
<td>12</td>
</tr>
<tr>
<td>HUB901</td>
<td>Literature Review</td>
<td>12</td>
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<td>HUB902</td>
<td>Honours Dissertation I</td>
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Elective to be chosen from a list available from the Honours Coordinator, including:

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<th>Contact Hrs/Wk</th>
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<tr>
<td>HUB631</td>
<td>Seminar in Japanese Issues (Advanced Seminar)</td>
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<td>HUB649</td>
<td>History Writing in Modern Europe (Advanced Seminar)</td>
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<tr>
<td>HUB714</td>
<td>Aboriginal Communities in Crisis &amp; Recovery (Advanced Seminar)</td>
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<tr>
<td>HUB756</td>
<td>Seminar in Ethics &amp; Public Philosophy (Advanced Seminar)</td>
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Semester 2

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<td>HUB904</td>
<td>Honours Seminar</td>
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Part-time students may take units in an alternative sequence approved by the Course Coordinator.

Note: Language Students

1. Language students will, where appropriate, do extensive work in HUB901, and HUB902 and HUB903 in the target language. Where feasible, the Honours dissertation will be written in the target language.

2. Language students may, if they so wish, exercise an option to substitute HUB906 overseas study for HUB900 and for their first semester elective. Students who elect this option must make arrangements with their supervisor for completing HUB901 and HUB902 in the distance mode.
Course Rules

The requirements for graduating are satisfactory or better performance in all prescribed units. In a normal course of study, HUB900, HUB901, the elective, and HUB904 would each count for 10 per cent of the final mark. The Honours dissertation will count for 60 per cent of the final mark. It will be marked by two assessors, one of whom will normally be external to the School.

Bachelor of Arts (Communication Design) (AA81)

Location: Kelvin Grove campus

Course Duration: 3 years full-time

Total Credit Points: 288

Course Coordinator: Professor Peter Lavery

Course Structure

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<tr>
<td>AAB801 Foundations of Communication Design 1</td>
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<td>AAB807 Media Technology 1</td>
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<td>ATB100 Texts &amp; Meanings</td>
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<td>AAB802 Foundations of Communication Design 2</td>
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<tr>
<td>AAB808 Media Technology 2</td>
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<td>AAB811 History of Design &amp; Media Technology</td>
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<td>AAB803 Design Studio 1</td>
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<td>AAB809 Media Technology 3</td>
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<td>AAB810 Media Technology 4</td>
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<td>AAB812 Design &amp; Media Theory</td>
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<td>SSB937 Applied Cognitive Psychology</td>
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Academy of the Arts Electives

The following electives are available across all disciplines of the Academy.

Semester 1

| AAB054 Cultural Policy and the Arts (not offered in 1996) | 12 | 3 |
### Bachelor of Arts (Dance) (AA11)

**Location:** Kelvin Grove campus  
**Course Duration:** 3 years full-time  
**Total Credit Points:** 288  
**Course Coordinator:** Kristen Bell

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<td><strong>Year 1, Semester 1</strong></td>
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<tr>
<td>AAB051 Arts in Society (Faculty core unit)</td>
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<td>AAB121/1 Contemporary Technique 1(^6)</td>
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<td>AAB125 Dance Analysis &amp; History I</td>
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<tr>
<td>AAB166/1 Ballet Technique &amp; Kinesiology(^a)</td>
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<td>AAB106 Dance Analysis &amp; History 2</td>
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<td>AAB165/1 Composition 2</td>
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<td>AAB116 Dance in the Community</td>
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Select one of the following units:

3. Available to third-year students only.  
4. Honours prerequisite.  
5. Honours prerequisite for students in AA21 Bachelor of Arts (Drama).  
6. Designated units. See Student Rules for details.
AAB058  Arts Research$^7$  12  3
AAB117  Dance in Education  12  3
AAB168  Performance Studies 1  12  3

Select one of the following units:
AAB158  Advanced Composition 1  12
AAB169  Performance Studies 2  12
AAB171  Dance Styles 1  12  3
  Elective  12

Year 3, Semester 2
AAB056  Professional Studies  12  3
AAB114  Dance in Australian Society$^8$  12  3

Select one of the following units:
AAB159  Advanced Composition 2  12
AAB170  Performance Studies 3  12
AAB172  Dance Styles 2  12  3
  Elective  12

Elective units

Semester 1
AAB176  Jazz & Popular Dance  12  3

Semesters 1 and 2
AAB155  Advanced Analysis: Ballet  12
AAB156  Advanced Analysis: Modern  12
AAB157  Advanced Analysis: Comparative  12
AAB173  Advanced Performance 1  12
AAB174  Advanced Performance 2  12

The following electives are not available in 1996:
AAB112  History of Australian Theatre Dance  12  3
AAB175  Folk Dance  12  3
AAB177  Production Techniques  12  3

Student may also choose elective units from other Academy programs or elsewhere in the University.

Bachelor of Arts (Drama) (AA21)

Location: Kelvin Grove campus
Course Duration: 3 years full-time
Total Credit Points: 288
Course Coordinator: Dr Jacqueline Martin

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Year 1, Semester 1
AAB051  Arts in Society (Faculty core unit)  12  3
  Choice of Faculty core units  12
AAB202  Acting$^7$  12  14
AAB204  Voice & Movement 1  12  6

Year 1, Semester 2
AAB203  Acting$^7$  12  21
AAB205  Voice & Movement 2  12  6

$^7$ Designated units. See Student Rules for details.
$^8$ Honours prerequisites.
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<td>Texts &amp; Meanings (Faculty Core Unit)</td>
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**Year 2, Semester 1**

- **Choice of Faculty Core Units**
  - AAB233 Voice & Movement 3
  - AAB247 Acting 3
  - AAB254/1 Music & Dance

**Year 2, Semester 2**

- AAB234 Voice & Movement 4
- AAB248 Acting 4
- AAB252 Studies in Theatre History 2
- AAB254/2 Music & Dance

**Year 3, Semester 1**

- AAB235 Voice & Movement 5
- AAB253 Studies in Theatre History 3
- AAB255 Theatre Production 1

**Year 3, Semester 2**

- AAB056 Professional Studies
- AAB256 Theatre Production 2

**Technical Production & Management**

**Year 1, Semester 1**

- AAB051 Arts in Society (Faculty core unit)
  - Choice of Faculty core units
- AAB208 Elements of Drama
- AAB289 Technical Production 1

**Year 1, Semester 2**

- AAB251 Studies in Theatre History 1
- AAB290 Technical Production 2
- AAB292 Stage & Technical Management 1
- ATB100 Texts & Meanings (Faculty Core Unit)

**Year 2, Semester 1**

- **Choice of Faculty Core Units**
- AAB276 Visual Theatre
- AAB289 Technical Production 1
- AAB292 Stage & Technical Management 1

**Year 2, Semester 2**

- AAB274 Theatrecraft
- AAB293 Stage & Technical Management 2
- AAB290 Technical Production 2
  - Elective

**Year 3, Semester 1**

- AAB255 Theatre Production 1
- AAB291 Technical Production 3
- AAB294 Stage & Technical Management 3

**Year 3, Semester 2**

- AAB056 Professional Studies
- AAB256 Theatre Production 2

**Open (OPE)**

**Year 1, Semester 1**

- AAB051 Arts in Society (Faculty core unit)
  - Choice of Faculty core units
- AAB208 Elements of Drama
- AAB259 The Performance Instrument

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*Designated units. See Student Rules for details.*

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*235*
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<td>AAB257 Acting Studies 1</td>
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<td>AAB273 Performance</td>
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<td>AAB304 Forming Knowledge</td>
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<td>AAB258 Acting Studies 2</td>
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<td>AAB271 Studies in Directing</td>
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**ARTS ADMINISTRATION**

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<td>AAB062 Arts Events Promotion &amp; Public Relations</td>
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<td>AAB261 The Arts Environment</td>
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<td>COB160 Professional Communication</td>
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<td>AAB263 Arts Marketing</td>
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<td>AYB100 Accounting for Managers</td>
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<td>MKP100 Fundraising Principles</td>
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**Drama Electives**

**Semester 1**

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<td>AAB253 Studies in Theatre History 3</td>
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<td>AAB277 Physical Theatre</td>
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<td>AAB281 Directing for Theatre</td>
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**Semester 2**

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<td>AAB278 Technical Theatre</td>
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<td>AAB280 Drama as Social Action</td>
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<td>AAB282 Writing for Performance</td>
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Students may also choose electives from other Academy programs or elsewhere in the University.

10 Honours prerequisite.
### Bachelor of Arts (Drama) (AA22) – Singapore

This three-year full-time course is offered at LaSalle–SIA College of the Arts in Singapore. The course provides training in voice and movement, acting styles, dance, singing and an in-depth study of the development of Asian and Western theatre. The technical requirements of theatre, issues in arts management and the relationship between the arts and society are also explored in the course. A specialisation in technical arts is available.

Enquiries to LaSalle–SIA College of the Arts, 90 Goodman Road, Singapore 1543 (phone 344 4300 or fax 346 5708) or to QUT Academy of the Arts, Locked Bag 2, Red Hill Q 4059. Phone (07) 3864 3380 fax (07) 3864 3672 or e-mail j.standfeld@qut.edu.au.

### Bachelor of Arts (Music) (AA51)

**Location:** Kelvin Grove campus

**Course Duration:** 3 years full-time

**Total Credit Points:** 288

**Course Coordinator:** Mr Max Olding

<table>
<thead>
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<th>Course Structure</th>
<th>Credit Points</th>
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<td>Elective Unit from List A or Non-Music Elective</td>
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<tr>
<td><strong>Year 2, Semester 2</strong></td>
<td></td>
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<tr>
<td>AAB607/2 Principal Studies 2(^{11})</td>
<td>12</td>
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<tr>
<td>AAB602/2 Musicianship 2</td>
<td>6</td>
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<tr>
<td>AAB605/2 Writing Techniques 2</td>
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<tr>
<td>AAB610 Music in Western Civilisation 2</td>
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<tr>
<td>Elective Unit from List A OR Non-Music Elective</td>
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<tr>
<td><strong>Year 3, Semester 1</strong></td>
<td></td>
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<tr>
<td>AAB608/1 Principal Studies 3</td>
<td>12</td>
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<tr>
<td>AAB613 Music from 1900 – 1950</td>
<td>12</td>
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<tr>
<td>Elective Units from List A or B OR Non-Music Elective</td>
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<td><strong>Year 3, Semester 2</strong></td>
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</tr>
<tr>
<td>AAB608/2 Principal Studies 3</td>
<td>12</td>
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</table>

\(^{11}\) Designated units. See Student Rules for details.
Select one of the following units:
AAB614 Music from 1950 – present day OR
AAB615 Jazz & Popular Music History & Analysis

Elective Units from List A or B OR
Non-Music Elective

Elective units

List A

Semester 1
AAB611 Music from 1600 – 1750 12 3
AAB613 Music from 1900 – 1950 12 3
AAB616 Ensemble 1 (year-long unit) 12 4
AAB617 Choral & Instrumental Arranging 12 3
AAB619 Introduction to Music Technology 12 3
AAB620 Introduction to Popular Song Composition 12 3
AAB621 Studio Recording Techniques 12 3
AAB622 Second Study 1 (year-long unit) 12 4

Semester 2
AAB612 Music from 1750–1900 12 3
AAB614 Music from 1950 to present day 12 3
AAB615 Jazz & Popular Music 12 3
AAB618 Composition for Film & Television 12 3
AAB619 Introduction to Music Technology 12 3

List B

Semester 1
AAB626 Music & Sound for Multimedia 12 3
AAB627 Studio Music Teaching 12 3
AAB628 Second Study 2 (year-long unit) 12 3
AAB629 Ensemble 2 (year-long unit) 12 4

Semester 2
AAB056 Professional Studies 12 3
AAB623 Choral Conducting 12 3
AAB624 Computer Music 12 3
AAB625 Instrumental Conducting 12 3

Students may also choose electives from other Academy programs or elsewhere in the University.

Bachelor of Arts (Visual Arts) (AA71)

Location: Kelvin Grove campus
Course Duration: 3 years full-time
Total Credit Points: 288
Course Coordinator: Ms Elizabeth Edwards

Course Structure

Year 1, Semester 1
AAB051 Arts in Society (Faculty core unit) 12 3
Choice of Faculty core units 12
AAB740 Foundation Art Practice 1\textsuperscript{12} 24 12

Year 1, Semester 2
AAB741 Foundation Art Practice 2\textsuperscript{12} 24 12
AAB726 Introduction to Art History 12 3
ATB100 Texts & Meanings (Faculty Core Unit) 12 3

\textsuperscript{12} Designated unit. See Student Rules for details.
### Year 2, Semester 1

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>AAB742</td>
<td>Studio Art Practice 1&lt;sup&gt;13&lt;/sup&gt;</td>
<td>12</td>
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<tr>
<td>AAB701</td>
<td>Modernism</td>
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### Year 2, Semester 2

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<tr>
<td>AAB056</td>
<td>Professional Studies</td>
<td>12</td>
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<tr>
<td>AAB743</td>
<td>Studio Art Practice 2&lt;sup&gt;13&lt;/sup&gt;</td>
<td>12</td>
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### Year 3, Semester 1

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<tr>
<td>AAB744</td>
<td>Studio Art Practice 3</td>
<td>12</td>
</tr>
<tr>
<td>AAB712</td>
<td>Contemporary Art Issues</td>
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### Year 3, Semester 2

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<tr>
<td>AAB056</td>
<td>Professional Studies</td>
<td>12</td>
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<tr>
<td>AAB745</td>
<td>Studio Art Practice 4</td>
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**Studio Electives**

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<tbody>
<tr>
<td>AAB447</td>
<td>Drawing</td>
<td>12</td>
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<tr>
<td>AAB455</td>
<td>Computer Graphics</td>
<td>12</td>
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<tr>
<td>AAB457</td>
<td>Sculpture</td>
<td>12</td>
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<tr>
<td>AAB459</td>
<td>Visual Arts Design</td>
<td>12</td>
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<tr>
<td>AAP503</td>
<td>Clay Materials</td>
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<tr>
<td>AAP505</td>
<td>Fibre Arts</td>
<td>12</td>
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<tr>
<td>AAP507</td>
<td>Painting</td>
<td>12</td>
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<tr>
<td>AAP509</td>
<td>Photographic Media</td>
<td>12</td>
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<tr>
<td>AAP511</td>
<td>Printmaking</td>
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**Extended Studio Electives**

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<td>AAB751</td>
<td>Extended Studio Practice 1</td>
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<tr>
<td>AAB752</td>
<td>Extended Studio Practice 2</td>
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<td>AAB753</td>
<td>Extended Studio Practice 3</td>
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<td>AAB754</td>
<td>Extended Studio Practice 4</td>
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**Art Theory Electives** (not offered in 1996)

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<td>AAB711</td>
<td>Australian Art</td>
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<tr>
<td>AAB724</td>
<td>Renaissance to Nineteenth Century Art</td>
<td>12</td>
</tr>
<tr>
<td>AAB729</td>
<td>Texts and Meanings in the Visual Arts</td>
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Students may also choose electives from other Academy programs or elsewhere in the University.

---

### Bachelor of Social Science (SS07)

With majors in Human Services, Psychology, and Sociology.

**Location:** Carseldine campus

**Course Duration:** 3 years full-time, 6 years part-time

**Total Credit Points:** 288

**Course Coordinators:**
- Overall Course: Dr John Tomlinson
- Human Services Major: Dr Barrie O'Connor
- Psychology Major: Dr Kathryn Gow
- Sociology Major: Dr Paul Harrison

<sup>13</sup> Designated unit. See Student Rules for details.
HUMAN SERVICES MAJOR (HSE)

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>SSB000 Australian Society: Introduction to Sociology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB001 Human Development 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB002 Introduction to Human Rights (Faculty Core Unit)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB003 Introduction to Psychology 1A (Faculty Core Unit)</td>
<td>12</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>Faculty Core Unit – Student Choice</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Faculty Core Unit – Student Choice</td>
<td>12</td>
<td>3</td>
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Select two of the following four:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>SSB004 Social Inequality in Australia</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB005 Human Development 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB006 Studies in Human Rights 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB007 Interpersonal Processes &amp; Skills</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSB008 Counselling Theory &amp; Practice 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB009 The Australian Welfare State</td>
<td>12</td>
<td>3</td>
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<tr>
<td>SSB010 Professional Resources 1</td>
<td>12</td>
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Select one from the following:

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<th>Course</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>SSB011 Child &amp; Family Services 1</td>
<td>12</td>
<td>3</td>
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<tr>
<td>SSB012 Disability Services 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB013 Corrective Services 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB014 Aged Services 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB015 Multicultural Services 1</td>
<td>12</td>
<td>3</td>
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<tr>
<td>SSB016 Youth Services 1</td>
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<tbody>
<tr>
<td>May–August</td>
<td>N/A</td>
<td>360 hrs for 10 weeks</td>
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<tr>
<td>Fieldwork Practice 1(^{14})</td>
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<td>360 hrs for 10 weeks</td>
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<tr>
<td>SSB017 Group Work</td>
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<tr>
<td>SSB019 Professional Resources 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB047 Organisational Skills 1</td>
<td>12</td>
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Select one from the following:

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<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>SSB020 Child &amp; Family Services 2</td>
<td>12</td>
<td>3</td>
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<tr>
<td>SSB021 Disability Services 2</td>
<td>12</td>
<td>3</td>
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<tr>
<td>SSB022 Corrective Services 2</td>
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<td>3</td>
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<tr>
<td>SSB023 Aged Services 2</td>
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<td>SSB024 Multicultural Services 2</td>
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<td>SSB025 Youth Services 2</td>
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<tbody>
<tr>
<td>SSB027 Community Work</td>
<td>12</td>
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<tr>
<td>SSB028 Australian Political Structures &amp; Institutions</td>
<td>12</td>
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<td>SSB048 Organisational Skills 2</td>
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Select one from the following:

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<tbody>
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<td>SSB031 Disability Services 3</td>
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<tr>
<td>SSB032 Corrective Services 3</td>
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<td>3</td>
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<tr>
<td>SSB033 Aged Services 3</td>
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<td>SSB034 Multicultural Services 3</td>
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<td>SSB035 Youth Services 3</td>
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<tr>
<td>SSB037 Studies in Human Rights 3</td>
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<tr>
<td>SSB038 Social Policy &amp; Social Change</td>
<td>12</td>
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<tr>
<td>SSB039 Contemporary Social Policies</td>
<td>12</td>
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<tr>
<td>SSB046 Directed Studies in Human Service Practice &amp; Theories</td>
<td>12</td>
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\(^{14}\) Practicum completed during mid-semester break.
Part-Time Course Structure
For details of the options available for the part-time course, contact the Course Coordinator.

PSYCHOLOGY MAJOR (PSY)

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>1, Semester 1</td>
<td>SSB000 Australian Society: Introduction to Sociology</td>
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<tr>
<td></td>
<td>SSB002 Introduction to Human Rights (Faculty Core Unit)</td>
<td>12</td>
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<tr>
<td></td>
<td>SSB003 Introduction to Psychology 1A (Faculty Core Unit)</td>
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<tr>
<td></td>
<td>Elective Unit</td>
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<td></td>
</tr>
<tr>
<td>1, Semester 2</td>
<td>Faculty Core Unit – Student Choice</td>
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<td>3</td>
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<td>SSB007 Interpersonal Processes &amp; Skills</td>
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<td></td>
<td>SSB930 Psychological Research Methods</td>
<td>12</td>
<td>3</td>
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<td></td>
<td>SSB932 Introduction to Psychology 1B</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>2, Semester 1</td>
<td>SSB008 Counselling Theory &amp; Practice 1</td>
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<td></td>
<td>SSB915 Social Psychology</td>
<td>12</td>
<td>3</td>
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<tr>
<td></td>
<td>SSB950 Research Design &amp; Data Analysis</td>
<td>12</td>
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<td>Elective Unit</td>
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<tr>
<td>2, Semester 2</td>
<td>Faculty Core Unit – Student Choice</td>
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Select two* of:

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<thead>
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<th>Course</th>
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<td>SSB913 Developmental Psychology</td>
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<tr>
<td>SSB931 Human Learning &amp; Motivation</td>
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<tr>
<td>SSB934 Physiological Psychology</td>
<td>12</td>
<td>3</td>
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</table>

* All three of these units have to be completed before graduating. Only two need to be completed in Year 2 Semester 2, and the third can be completed either in Year 2 Semester 2 or as an elective in Year 3 Semester 2. If only two are completed in this semester, an elective can be substituted for the third unit.

Year 3, Semester 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Points</th>
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<td>SSB933 Cognitive Psychology</td>
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Year 3, Semester 2

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<td>SSB936 Personality &amp; Psychopathology</td>
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<td>SSB941 Psychological Assessment</td>
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<tr>
<td>SSB951 Advanced Statistical Analysis**</td>
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<td>Elective Unit</td>
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</table>

** Compulsory if wishing to continue into the BSocSc (Honours) program. Otherwise a Psychology elective can be taken.

Part-Time Course Structure

Year 1, Semester 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>SSB000 Australian Society: Introduction to Sociology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB003 Introduction to Psychology 1A (Faculty Core Unit)</td>
<td>12</td>
<td>3</td>
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Year 1, Semester 2

<table>
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<tr>
<th>Course</th>
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<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>SSB930 Psychological Research Methods</td>
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<tr>
<td>SSB932 Introduction to Psychology 1B</td>
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</table>
Year 2, Semester 1
SSB002 Introduction to Human Rights (Faculty Core Unit) 12 3
Elective Unit 12

Year 2, Semester 2
Faculty Core Unit – Student Choice 12 3
SSB007 Interpersonal Processes & Skills 12 3

Year 3, Semester 1
SSB915 Social Psychology 12 3
SSB950 Research Design & Data Analysis 12 3

Year 3, Semester 2
SSB913 Developmental Psychology 12 3
SSB931 Human Learning & Motivation 12 3

Year 4, Semester 1
SSB008 Counselling Theory & Practice 1 12 3
SSB951 Advanced Statistical Analysis 12 3

Year 4, Semester 2
Faculty Core Unit – Student Choice 12 3
SSB934 Physiological Psychology 12 3

Year 5, Semester 1
SSB933 Cognitive Psychology 12 3
Elective Unit 12

Year 5, Semester 2
SSB936 Personality & Psychopathology 12 3
SSB941 Psychological Assessment 12 3

Year 6, Semester 1
Elective Unit 12
Elective Unit 12

Year 6, Semester 2
Elective Unit 12
Elective Unit 12

MID-YEAR INTAKE PSYCHOLOGY PROGRAM

Full-Time Course Structure

<table>
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<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>SSB007 Interpersonal Processes &amp; Skills</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB930 Psychological Research Methods</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB932 Introduction to Psychology 1B</td>
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<td>3</td>
</tr>
<tr>
<td>Elective</td>
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Year 2, Semester 1
SSB000 Australian Society – Introduction to Sociology 12 3
SSB002 Introduction to Human Rights (Faculty Core Unit) 12 3
SSB003 Introduction to Psychology 1A (Faculty Core Unit) 12 3
SSB950 Research Design & Data Analysis 12 3

Year 2, Semester 2
SSB913 Developmental Psychology 12 3
SSB915 Social Psychology15 12 3
Faculty Core Unit – Student Choice 12 3
SSB931 Human Learning & Motivation 12 3

Year 3, Semester 1
SSB008 Counselling Theory & Practice 1 12 3
SSB951 Advanced Statistical Analysis 12 3

15 Currently offered at Gardens Point campus.
Psychology Elective Units

The following elective units are offered in the Psychology program to enable diversity of choice at undergraduate and early postgraduate level and to allow innovative approaches to current and perceived community needs. However, such elective units will be offered subject to staff availability and sufficient student enrolment to justify running the unit.

- SSB017 Group Work 12 3
- SSB804 Psychology & Gender 12 3
- SSB939 Alcohol & Other Drug Studies 12 3
- SSB942 Independent Study (Psychology) 12 3
- SSB943 Occupational & Vocational Psychology 12 3
- SSB944 Industrial & Organisational Psychology 12 3
- SSB948 Advanced Developmental Psychology 12 3
- SSB949 Introduction to Family Therapy 12 3

Other elective unit approved by Head of School.

Notes

Elective units are to be chosen in consultation with the Head of School or appointed nominee/adviser to ensure that progression rules for the degree and/or for fourth year study are followed. Up to 72 credit points of elective units can be taken from other Schools or Faculties.

Bachelor of Business and Bachelor of Applied Science students completing a minor or a secondary major in Psychology at the Gardens Point campus may choose from the following units also but are to note incompatible units. (These units are not normally open to Bachelor of Social Science students who will follow the Social Science program.)

- SSB912 Psychology ( incompatible with SSB003 Introduction to Psychology 1A)
- SSB917 Physiological & Health Psychology ( incompatible with SSB934 Physiological Psychology)
- SSB937 Applied Cognitive Psychology ( incompatible with SSB933 Cognitive Psychology)

Other units as advised from time to time. Students should seek advice before finalising their choices.

SOCIIOLOGY MAJOR (SOC)

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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Faculty Core Unit – Student Choice
Faculty Core Unit – Student Choice
SSB960 Sociological Theory\(^{16}\) 12 3

**Year 2, Semester 1**
SSB969 Sociological Theory & Analysis\(^{16}\) 12 3
SSB970 Economic Sociology\(^{16}\) 12 3
Sociology Elective Unit 12 3
Elective Unit 12 3

**Year 2, Semester 2**
SSB971 Political Sociology\(^{16}\) 12 3
Sociology Elective Unit 12 3
Elective Unit 12 3

**Year 3, Semester 1**
SSB980 Advanced Sociological Theory\(^{16}\) 12 3
Sociology Elective Unit 12 3
Elective Unit 12 3

**Year 3, Semester 2**
SSB981 Qualitative Research Methods\(^{16}\) 12 3
Sociology Elective Unit 12 3
Sociology Elective Unit 12 3
Elective Unit 12 3

**SOCIOLGY MAJOR (SOC)**

**Part-Time Course Structure**

**Year 1, Semester 1**
SSB000 Australian Society: Introduction to Sociology 12 3
SSB001 Human Development 1 12 3

**Year 1, Semester 2**
SSB004 Social Inequality in Australia 12 3
Faculty Core Unit – Student Choice 12 3

**Year 2, Semester 1**
SSB002 Introduction to Human Rights (Faculty Core Unit) 12 3
SSB003 Introduction to Psychology (Faculty Core Unit) 12 3

**Year 2, Semester 2**
SSB960 Sociological Theory 12 3
Faculty Core Unit – Student Choice 12 3

**Year 3, Semester 1**
SSB969 Sociological Theory & Analysis 12 3
SSB970 Economic Sociology 12 3

**Year 3, Semester 2**
SSB971 Political Sociology 12 3
Elective 12 3

**Year 4, Semester 1**
Sociology Elective 12 3
Elective 12 3

**Year 4, Semester 2**
Elective 12 3
Sociology Elective 12 3

**Year 5, Semester 1**
SSB980 Advanced Sociological Theory 12 3
Sociology Elective 12 3

\(^{16}\) Sociology Core Unit.
### Year 5, Semester 2
- SSB981 Qualitative Research Methods 12 3
- Sociology Elective 12 3

### Year 6, Semester 1
- Elective 12 3
- Elective 12 3

### Year 6, Semester 2
- Sociology Elective 12 3
- Elective 12 3

**Note:** Sociology core units in Years 2 and 3 are subject to change in 1995.

## MID-YEAR INTAKE SOCIOLOGY PROGRAM

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<td>Year 4, Semester 1</td>
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</table>

### Elective Units and Sociology Elective Units
Electives in the Sociology major are divided into Sociology Elective Units and 'general' Elective Units.

Up to 72 credit points of 'general' Elective Units may be chosen from units offered by the School of Social Science or by other Schools or Faculties. The following Human Service strands may be taken as 'general' Elective Units: Aged, Child and Family, Corrective, Disability, Multicultural, and Youth. Other units within the Human Services or Psychology majors may also be suitable as electives.
Bachelor of Social Science (Honours) (Psychology) (SS09)

Location: Carseldine campus
Course Duration: 1 year full-time, 2 years part-time
Total Credit Points: 96
Standard Credit Points Full-Time Semester: 48
Course Coordinator: Dr Sandy Smith

Entry to Honours and Postgraduate Programs
To be eligible for entry into the Bachelor of Social Science (Honours) Psychology program, applicants must have completed an undergraduate degree majoring in Psychology through a degree program recognised for accreditation purposes by the Australian Psychological Society. Specifically, entry into the Honours program can be gained after completion to the required standard of one of the following:

(i) Bachelor of Social Science (Psychology)
(ii) other approved courses in Psychology accredited by the Australian Psychological Society.

For internal applicants, the base level requirements for consideration for inclusion in the Honours program will be:

- a minimum Grade Point Average of 5.0 in the overall undergraduate degree program
- a minimum overall Grade Point Average of 5.0 in nine prescribed second and third year Psychology subjects or their equivalent, specifically:
  - SSB913 Developmental Psychology
  - SSB915 Social Psychology
  - SSB931 Human Learning & Motivation
  - SSB933 Cognitive Psychology
  - SSB934 Physiological Psychology
  - SSB936 Personality and Psychopathology
  - SSB941 Psychological Assessment
  - SSB950 Research Design & Data Analysis
  - SSB951 Advanced Statistical Analysis
- Completion of SSB951 Advanced Statistical Analysis.

For external applicants, similar requirements will be expected. In addition, external applicants will be required to complete a detailed questionnaire outlining their reasons for wishing to undertake the Honours program. They will also be required to provide certified copies of complete academic transcripts.

Both internal and external applicants who reach the minimum criteria as outlined above may be required to undertake further selection process, e.g. individual and/or group processes deemed suitable.

Course Structure

<table>
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<th>Semester 1</th>
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<td>SSB990 Research Thesis</td>
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<tr>
<td>SSB991 Advanced Research Methods</td>
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<td>Two units from these Advanced Psychology options:</td>
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<td>SSB992 Counselling Psychology</td>
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<td>SSB993 Cognitive Neuropsychology</td>
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<td>SSB994 Advanced Social &amp; Developmental Psychology</td>
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<tr>
<td>SSB995 Advanced Organisational Psychology</td>
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## Associate Degree in Dance (AA09)

**Location:** Kelvin Grove campus

**Course Duration:** 2 years full-time

**Total Credit Points:** 192

**Course Coordinator (Acting):** Mr Graeme Collins

### Course Structure

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<tr>
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<sup>17</sup> Designated units. See Student Rules for details.
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<td>Associate Diploma in Civil Engineering (CE21)</td>
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</table>
Course Structures

Course Requirements and Notes Relating to Postgraduate Courses

Course Progression
It is important that students follow as normal a progression through their courses as possible. Units should be taken in an orderly sequence as set out in published course structures. Units failed should be picked up in the next semester they are offered. Prerequisite units must normally be passed before a student may proceed to a further unit which has the prerequisite so specified. The Course Coordinator should be consulted regarding variations from the course structure. This is considered to be a major concession. Students who have failed units or have doubts about having the necessary background to proceed should seek the advice of the Course Coordinator.

Supplementary Assessment
It is not normally Faculty policy to grant supplementary examinations. However, at the discretion of the Dean of the Faculty, supplementary or further assessment may be permitted in cases where a student is near to the completion of their course.

In such cases it is normal policy to award an 'A' (Result Unfinalised) and to give the student further assessment. Following satisfactory completion of this further assessment, the highest grade which may normally be awarded is a grade of 3 (Pass Conceded).

School of Civil Engineering Safety Shoes Policy
Students enrolled in units specified by the School of Civil Engineering will be required to wear safety shoes for some laboratory practicals and/or field trips. Students not wearing appropriate safety shoes on these occasions will be barred from (i) participating in activities in these units, and (ii) submitting any assessment associated with these activities. Hard hats and safety glasses/goggles will be supplied by the School of Civil Engineering as required.

- Master of Applied Science (Research) (BN71)
- Master of Engineering (BN72)

Location: Gardens Point campus

Duration:
Full-Time: 1 year minimum (2 semesters), 2 years maximum (4 semesters)
Part-Time: 2 years minimum (4 semesters), 4 years maximum (8 semesters)

Course Coordinators:
Master of Applied Science (Research): Dr Keith Hampson
Master of Engineering: Dr M. Mahendran

Introduction
The objectives of the program are:
- to provide instruction and postgraduate educational opportunities in design,
investigation, development, research or any combination thereof, in the specialised fields of applied science relating to the built environment or directly related to professional engineering practice, by means of a program which involves either an advanced contribution to knowledge or an advanced application of existing knowledge

☐ to provide further education in research methods
☐ to enable graduate employed in industry to undertake further education by research and thesis
☐ to further relationships between the University and industry or other external agencies involved in applied science or engineering to their mutual advantage, and
☐ to provide formal recognition of work of an advanced nature.

1. General Conditions

1.1 The Council of the Queensland University of Technology was established in 1989 under the Queensland University of Technology Act 1988.

1.2 The Council’s power to approve recommendations from Faculty academic boards regarding the registration, supervision and examination of research degree candidates and to develop policy and procedures relating to research degrees is exercised through a Research Management Committee which is a subcommittee of University Academic Board.

1.3 Research Management Committee has delegated responsibility for day-to-day administration of research Masters degree courses to Faculty academic boards. Academic boards shall report biannually to Research Management Committee on progress made by research Masters degree candidates.

1.4 This program is administered by the Academic Board of the Faculty of Built Environment and Engineering through its Faculty Research Committee. The program is offered in Architecture, Civil Engineering, Construction Management, Electrical and Electronic Systems Engineering, Industrial Design, Interior Design, Landscape Architecture, Mechanical and Manufacturing Engineering, Planning and Surveying.

1.5 In order to qualify for the award of the degree of Master of Applied Science (Research) or Master of Engineering a candidate must:

☐ have completed the approved program involving advanced work under the supervision of a Thesis Panel prescribed by the Faculty Research Committee of the Built Environment and Engineering Academic Board
☐ have submitted and the Faculty Research Committee accepted a thesis, together with reports and/or documents where applicable, prepared under the supervision of the Thesis Panel
☐ have completed such other work as may be prescribed by the Faculty Research Committee, and
☐ submit to the Faculty Research Committee a declaration signed by the candidate that they have not been a candidate for another tertiary award without permission of the Faculty Research Committee.

2. Registration

2.1 Applications shall be accepted subject to the availability of facilities and supervision.

2.2 Applications may be lodged with the Registrar at any time.

2.3 There is a six-month maximum period between acceptance by the Faculty Research Committee and enrolment by the candidate in the Master of Applied Science (Research) or Master of Engineering before the offer of admission to the program lapses. Candidates are required to complete an enrolment form each semester.
A Note Regarding Enrolment

Please advise the Faculty Office and Enrolments Section of the University as soon as possible if there are any changes to your name, address or other personal details. You must submit a completed ‘Change to Enrolment’ form to the Enrolments Section. You may apply to change from full-time to part-time or vice versa, using Form I – ‘Intra-faculty Changes’. This form must be accompanied by a note of recommendation from your supervisor and forwarded to the Faculty Research Committee. Applications must detail your intentions on attendance and employment – see ‘Attendance status, time limits and employment’.

2.4 The minimum academic qualifications for admission to the Master of Applied Science (Research) or Master of Engineering are:

- a four-year degree in an appropriate discipline in which the candidate has received at least Honours 2A from the Queensland University of Technology, or
- a qualification judged equivalent by the Faculty Research Committee, or
- a grade point average of 5.0 or better in a graduate diploma program, in a relevant discipline, together with demonstrated potential for further study and/or evidence of professional standing, or
- a grade point average of 5.0 or better in a coursework Masters degree program in a relevant discipline, together with demonstrated potential for further study and/or evidence of professional standing.

An applicant for the Master of Applied Science (Research) or Master of Engineering program without the minimum entry requirement may present a case for admission based on the submission of evidence of qualifications which demonstrate the applicant’s capacity to pursue the course of study.

The case may be based on the following:

(a) three years’ professional experience in the general field in which the proposed work lies, or
(b) satisfactory completion of an appropriate Masters qualifying program including formal coursework and/or reading program in related fields stipulated by the Faculty Research Committee, or
(c) the submission of technical publications or other appropriate evidence which satisfies the Faculty Research Committee that advanced knowledge has been acquired in a branch of applied science relevant to the built environment or a division of engineering in which the applicant has worked as a professional practitioner in a position of responsibility. This knowledge should be relevant to the field of study proposed.

2.5 A candidate shall be registered as a graduate student if they are considered by Faculty Research Committee to meet the requirements for entry.

2.6 A candidate shall receive confirmed registration as a graduate student when they:

- have satisfied the requirements for admission and achieved by work and study a standard recognised by Faculty Research Committee, or
- have satisfied Faculty Research Committee that they are a suitable person to undertake the program, and
- have satisfied Faculty Research Committee that they can devote sufficient time to the research and study.

2.7 In considering an applicant for registration, the Faculty Research Committee shall, in addition to assessing the applicant’s suitability, be satisfied that:
the proposed program is relevant to the aims and objectives of the University
the proposed program has relevance to the needs of society or industry, and
adequate resources are available to support the proposed program.

2.8 An application for registration should set out systematically and fully the candidate’s intended course of study including the following:

- a description of the area of study within which the candidate’s course lies
- a summary of the work to be undertaken, the proposed title of the thesis to be written, the aim of the proposed program, its background, the significance and possible application of the research program, and the research plan
- the location at which the work will be undertaken, the amount of time which will be devoted to it and the resources required
- details of academic qualifications and supporting evidence, including copies of results for each year of courses undertaken
- a brief account of industrial experience
- a list of publications
- sponsorship details
- statement of approval by Head of School and/or Director of Centre, and
- any other relevant material.

2.9 The program is offered on a full-time or a part-time basis and may be undertaken externally. Part-time students normally will be employed in some professional capacity during the day and carry out their research projects on a part-time basis at QUT, in their place of employment or in a sponsoring organisation.

2.10 Full-time students may be on a scholarship from industry or QUT, and may carry out their research at QUT or in a sponsoring organisation. Normally full-time students would be expected to work on their research projects at QUT for not less than three-quarters of a normal working week, averaged over each year of candidacy. Such a candidate may not devote more than 300 hours annually to teaching activities, including preparation and marking.

2.11 A candidate may be based at QUT or at a place of employment or sponsoring institution. Normally, support of the sponsoring institution for the candidate’s application is required for registration. A candidate may also be external where their residence is outside of Brisbane.

2.12 The Faculty Research Committee may cancel a candidate’s registration if:

- after consulting a candidate’s supervisors and having taken account of all relevant circumstances, the Committee is of the opinion that the candidate either has effectively discontinued their studies or has no reasonable expectation of completing the course of study within the maximum time allowed (see Section 4).

2.13 A candidate whose registration has lapsed or has been cancelled, and who wishes subsequently to re-enter the course of study to pursue a research program which is substantially the same as the previous investigation may be re-admitted under such conditions as the Faculty Research Committee shall prescribe.

3. Course of Study

3.1 A candidate for the degree of Master of Applied Science (Research) or Master of Engineering will undertake a program of research and investigation on a topic approved by the Faculty Research Committee.
3.2 All projects should be supported by outside agencies such as industry, government authorities and professional organisations, or by QUT itself. This provision is to ensure that programs are relevant to the aims of the University and the community. It is important that projects be primarily directed towards society or industry need.

3.3 The program must be such as to enable the candidate to develop and demonstrate a level of scientific competence significantly higher than that expected of a first degree graduate. The required competence normally would include mastery of relevant techniques, investigatory skills, critical thinking, and a high level of knowledge in the specialist area.

3.4 Where advised, a candidate may be required to complete satisfactorily a program of formal coursework in subjects relevant to the field of study up to a total class contact of 48 credit points.

3.5 The course of study normally will include:

- participation in University scholarly activities such as research seminars, teaching and publication
- regular face-to-face interactions with supervisors, and
- a program of supervised research, design, investigation, development, construction, or any combination thereof.

The course of study may also include a program of assessed coursework.

3.6 Coursework at Masters level demands a capacity for critical analysis and a specialisation of research interests not normally appropriate for an undergraduate program. Such coursework may be conducted in a number of ways:

- as advanced lecture courses
- as seminars in which faculty and candidates present critical studies of selected problems within the subject field
- as independent study or reading courses, or
- as research projects conducted under Faculty supervision.

Candidates will be encouraged to attend conferences where these are related to the field of the research.

In all cases, coursework will be based upon a formal syllabus setting out the educational outcomes expected from the course, a list of topics to be covered, the prescribed reading material and the method of assessment of progress through and at the end of the course.

3.7 Maximum and Minimum Coursework Requirements:

<table>
<thead>
<tr>
<th>Component</th>
<th>Maximum Coursework Requirement</th>
<th>Minimum Coursework Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thesis</td>
<td>A minimum of two-thirds of the degree</td>
<td>64 credit points</td>
</tr>
<tr>
<td></td>
<td>Normal coursework requirement</td>
<td>12 credit points</td>
</tr>
<tr>
<td></td>
<td>24 to 36 credit points</td>
<td></td>
</tr>
</tbody>
</table>

3.8 Components of Coursework:

(a) Compulsory requirement for all students in the Faculty:

- IFN001 Advanced Information Retrieval Skills 4 credit points
- Attendance & Participation in School and/or Research Centre or Concentration Seminar/Workshop 6 to 12 credit points

1 Maximum of 16 credit points per semester for each semester enrolled in the program.
Components determined by School and/or Research Centre or Concentration – Core or Elective

- Units assessed by formal graded assessment: 24 credit points maximum
- Maximum units assessed by satisfactory/unsatisfactory or merit by student: 24 credit points maximum
- Specific tailor-made reading courses supervised by a panel or individual member of staff: 24 credit points maximum

Students must contact their Course Coordinator to finalise their program.

4. Period of Time for Completion of Course of Study

4.1 The duration of study for candidates with four years of relevant study at tertiary level will normally be a minimum of one year and a maximum of two years or the part-time equivalent. Candidates who do not have a four-year degree or its equivalent will normally need to undertake a year of full-time coursework or equivalent whilst enrolled in the research degree.

4.2 In order to encourage completion of research degrees within a reasonable timeframe, QUT has set a limit of two years on the length of time for which it will fund a Faculty for full-time research Masters degree candidates.

4.3 A registered graduate full-time student shall present the thesis for examination after a period of at least one year but not more than two years has elapsed from the time of confirmed registration. A registered graduate part-time student shall present the thesis for examination after a period of at least two years. The maximum time is four years from the time of confirmed registration. In special cases the Faculty Research Committee may approve a shorter period.

4.4 Time limits are measured in years from the time of first registration as a graduate student. Periods of exclusion or absence with or without approval are included.

4.5 Candidates who exceed these limits may be asked to show cause why they should not have their registration in the program terminated. Such candidates must make formal application to the Faculty Research Committee to have their registration extended beyond the normal time. Details of the candidate's progress shall be presented to the Committee together with the reasons for the delay in completing the course and the expected date of completion. Where the Committee agrees to an extension, a time limit will be set for the maximum period of registration in the program.

4.6 Candidates are notified of exclusion by registered mail. They have right of appeal to the Academic Appeals Committee.

5. Supervision

5.1 The Faculty Research Committee shall appoint two or more supervisors with appropriate experience in respect of each candidate. One shall be nominated as the Principal Supervisor and others as Associate Supervisors. The supervisors shall form a Thesis Panel.

5.2 The Principal Supervisor shall normally be from the academic staff of the QUT School in which the candidate is enrolled.

5.3 The Thesis Panel shall supervise all aspects of the candidate's work program, shall receive reports from the candidate on progress and shall recommend both on successful and unsuccessful completion of components of the coursework incorporated in the candidate's program, on progress on the thesis research project and on continued enrolment.

5.4 The Thesis Panel shall receive a formal oral and written report from the candidate at least once every semester on progress on the research project.
6. Place and Conditions of Work

6.1 The research program will normally be carried out under supervision in a suitable environment within Brisbane. However, external study is possible. External candidates will be required to spend a minimum of four weeks at QUT annually.

6.2 The Faculty Research Committee shall not admit a candidate to a program of research based at the University unless it has received:

- a supporting statement from the Head of the QUT School and/or Director of Centre in which the study is proposed that, in their opinion, the applicant is a suitable person to undertake a research program leading to the Masters degree, that the program is supported, that the School or Centre is willing to undertake the responsibility of supervising the work of the applicant and that resources are available to support the proposed research.

6.3 The Faculty Research Committee shall not admit a candidate to a program of research based at a sponsoring establishment unless it has received:

- a supporting statement from the employer or director of the sponsoring institution that they are aware of the course rules and are prepared to sponsor and support the applicant, that the applicant will be provided with facilities and time to undertake the research project and that they are willing to accept responsibility for supervising the applicant’s work, and

- a supporting statement from the head of the QUT School or Director of Centre in which the study is proposed that, in their opinion, the applicant is a suitable person to undertake a research program leading to the Masters degree, that the program is supported, and that after examination of the proposed external facilities and supervision, the School/Centre is willing to accept the responsibility of supervising the work.

7. Thesis

7.1 In the form of presentation, availability and copyright, the thesis shall comply with all the requirements of the document Requirements for Presenting Theses (Appendix 51 in the Manual of Policies and Procedures).

7.2 A candidate shall submit the title of their thesis for approval by the Faculty Research Committee with their application, and after approval has been granted, no change will be made except with the permission of the Committee.

7.3 The candidate shall give two months’ written notice of intention to submit their thesis through the Principal Supervisor.

7.4 The thesis shall comply with the following requirements:

- A significant proportion of the work described (as determined by the Faculty Research Committee) must have been carried out subsequent to initial registration for the Masters degree.

- It must describe a program of work carried out by the candidate and must involve either an advanced contribution to the knowledge of the subject or an advanced application of existing knowledge.

- It must reach a satisfactory standard of literary presentation.

- It shall be the candidate’s own account of the work. Where work is carried out conjointly with other persons, the Faculty Research Committee shall be advised of the extent of the candidate’s contribution to the joint work.

- The thesis shall not contain as its main content any work or material which the candidate has previously submitted for another degree or similar award.
The thesis may consist primarily of reports, plans and/or documents or may be supported by these if they have a bearing on the subject of the thesis. Other supporting documents such as published papers may also be submitted with the thesis.

The thesis shall contain an abstract of not more than 300 words.

7.5 Except with the specific permission of the Faculty Research Committee, the thesis must be presented in the English language. Such permission must be sought at the time of application for registration, and will not be granted solely on the grounds that the candidate's ability to satisfy the examiners will be affected adversely by the requirement to present the thesis in English.

7.6 Subject to QUT's Intellectual Property policy, the copyright of the thesis is vested in the candidate.

7.7 Where a candidate or the sponsoring establishment wishes the thesis to remain confidential for a period of time after completion of the work, application for approval must be made to the Faculty Research Committee when the thesis is submitted. The period normally shall not exceed two years from the date on which the examiners recommend acceptance of the thesis, during which time the thesis will be held on restricted access in the QUT Library.

8. Examination of Thesis

8.1 The Faculty Research Committee shall appoint two/three examiners, of whom at least one shall be from outside of the University. No supervisor of the candidate shall be appointed as one of the examiners.

8.2 Normally, examiners must agree to read and report upon the thesis within two months of its receipt.

8.3 A candidate may be required to make an oral defence of the thesis.

8.4 On receipt of the reports from the examiners, the Faculty Research Committee shall:

(a) recommend that the thesis be accepted without modification, and to Academic Board that the candidate be awarded the degree, or

(b) recommend to Academic Board that the candidate be awarded the degree, after any minor amendments requested by the examiners have been made, or

(c) recommend that the thesis not be accepted until major revisions have been made. Such revisions might be rewriting one of the sections, with or without additional work, or

(d) not accept the thesis and terminate the candidate's registration.

8.5 If the examiners’ reports are conflicting, the Faculty Research Committee may, after appropriate consultation with the Thesis Panel, resubmit the thesis to the examiners with copies of the examiners’ reports and/or seek the advice of a further external examiner. After due consideration of further reports from the examiners, a majority decision will be accepted by the Faculty Research Committee.

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■ Master of Built Environment (BN73)

URBAN DESIGN MAJOR

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48

Coordinator: To be advised

Entry Requirements
NORMAL ENTRY
A grade point average of 5.0 or better in the Graduate Diploma in Urban Design at the completion of one semester full-time or two semesters part-time.

PROVISIONAL ENTRY
Applicants with other than normal entry requirements may be registered provisionally in the course if they submit other evidence of academic and professional attainment and candidature is approved by the Dean of the Faculty on the recommendation of the Course Coordinator.

A person provisionally enrolled is required to satisfactorily undertake a qualifying program which may include course units, and/or such other work as is determined before admission is confirmed. Provisional registration in the course will apply for a maximum period of 12 months for both full-time and part-time students.

Articulation to the Masters Program from the Graduate Diploma in Urban Design
Applicants are considered initially for acceptance in the Graduate Diploma in Urban Design. At the completion of one semester for full-time students and at the completion of two semesters for those studying part-time, students will be considered for enrolment in the Master of Built Environment (Urban Design). A grade point average of 5.0 or better in the course is normally required for progression to the Masters level.

Focus in the Masters Program
The Masters program includes skills and knowledge development through set coursework in common with the Graduate Diploma in Urban Design, but also requires individual research and the writing of a dissertation.

Course Requirements
Students must complete a minimum of 48 credit points per semester in the full-time course and a minimum of 24 credit points per semester in the part-time course.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFN001 Advanced Information Retrieval Skills</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>PSN004 Applied Research Techniques</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>PSP401 Urban Design Analysis Studio</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP403 Urban Design Conjecture Studio</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP421 History of Urban Systems</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>PSP424 Urban Design Theory &amp; Criticism</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>Plus a selection from the following totalling at least 8 credit points:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CNP439 Property Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>PSP011 Conservation Theory</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>PSP411 Environmental Psychology</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>PSP416 Computer Aided Data Analysis</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>PSP442 Law &amp; Legislation in Urban Design</td>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSN099 Dissertation</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>PSP402 Urban Design Context Studio</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP405 Urban Design Field Studies</td>
<td>4</td>
<td>10 days</td>
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<tr>
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<td></td>
</tr>
<tr>
<td>PSN002 Concentration Studies A</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>PSN003 Concentration Studies B</td>
<td>8</td>
<td>2</td>
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</table>
Part-Time Course Structure

Year 1, Semester 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFNO01</td>
<td>Advanced Information Retrieval Skills</td>
<td>4</td>
</tr>
<tr>
<td>PSP401</td>
<td>Urban Design Analysis Studio</td>
<td>12</td>
</tr>
<tr>
<td>PSP421</td>
<td>History of Urban Systems</td>
<td>4</td>
</tr>
<tr>
<td>PSP424</td>
<td>Urban Design Theory &amp; Criticism</td>
<td>4</td>
</tr>
</tbody>
</table>

Year 1, Semester 2

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSP402</td>
<td>Urban Design Context Studio</td>
<td>12</td>
</tr>
<tr>
<td>PSP405</td>
<td>Urban Design Field Studies</td>
<td>4</td>
</tr>
</tbody>
</table>

Plus a selection from the following totalling at least 8 credit points:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSP411</td>
<td>Conservation Theory</td>
<td>3</td>
</tr>
<tr>
<td>PSP416</td>
<td>Computer Aided Data Analysis</td>
<td>2</td>
</tr>
<tr>
<td>PSP432</td>
<td>Urban Landscape</td>
<td>4</td>
</tr>
<tr>
<td>PSP434</td>
<td>Urban Services &amp; Functions</td>
<td>4</td>
</tr>
<tr>
<td>PSP441</td>
<td>Computer Applications in Urban Design</td>
<td>4</td>
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</tbody>
</table>

Year 2, Semester 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSN004</td>
<td>Applied Research Techniques</td>
<td>4</td>
</tr>
<tr>
<td>PSP403</td>
<td>Urban Design Conjecture Studio</td>
<td>12</td>
</tr>
</tbody>
</table>

Plus a selection of the following totalling a minimum of 8 credit points:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP439</td>
<td>Property Management</td>
<td>6</td>
</tr>
<tr>
<td>PSP011</td>
<td>Conservation Theory</td>
<td>3</td>
</tr>
<tr>
<td>PSP411</td>
<td>Environmental Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSP416</td>
<td>Computer Aided Data Analysis</td>
<td>2</td>
</tr>
<tr>
<td>PSP442</td>
<td>Law &amp; Legislation in Urban Design</td>
<td>4</td>
</tr>
</tbody>
</table>

Year 2, Semester 2

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSN099</td>
<td>Dissertation</td>
<td>24</td>
</tr>
</tbody>
</table>

#### Master of Engineering Science (Civil) (CE74)

**Location:** Gardens Point campus

**Course Duration:** 2 years part-time

**Total Credit Points:** 96

**Standard Credit Points/Part-Time Semester:** 24

**Course Coordinator:** Dr Luis Ferreira

**Entry Requirements**

Entrants to the Masters degree program must either:

(i) have obtained a Bachelor of Engineering degree with Honours in Civil Engineering, or

(ii) have obtained a Graduate Diploma with a grade point average of at least 5.0 on a 7-point scale.

Where entrants do not have Honours ranking in their Bachelor of Engineering (Civil) degree and/or have not undertaken units equivalent to the available QUT undergraduate units in their chosen area of study, the Head of School may require that additional undergraduate units be undertaken.

Entrants may transfer from the Graduate Diploma in Municipal Engineering (CE63) with a grade point average of at least 5.0 after completion of 50 per cent of the coursework for
the Graduate Diploma. In so doing students must comply with rule 4.1.1 of the Student Rules which states 'for courses of up to and including one year of equivalent full-time study, credit may be given for a maximum of one half of the credit points required for course completion'.

Graduates who have completed the prescribed units for a major will have their award certificates and academic transcripts endorsed ‘Majoring in...’.

Course Structure
The course consists of a minimum of 96 credit points. Either 36 or 20 credit points are allocated to a project and the remainder to the non-project units. The majority of the units are common with the Graduate Diploma in Municipal Engineering (CE63). Students who do not wish to undertake a major must complete the core units plus any other combination of units, to make up the minimum total of 96 credit points. Such programs should be devised in consultation with the Course Coordinator.

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEP131 Engineering Management &amp; Administration</td>
<td>12</td>
<td>3</td>
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<tr>
<td>Units chosen from major</td>
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<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEP200 Process Modelling</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>Units chosen from major</td>
<td>16</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Year 2, Semesters 1 and 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>Select one of the following options:</td>
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<td></td>
</tr>
<tr>
<td><strong>Option 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CEP999/1/2 Project A²</td>
<td>36</td>
<td>9</td>
</tr>
<tr>
<td>Units chosen from major totalling</td>
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<td></td>
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<tr>
<td><strong>Option 2</strong></td>
<td></td>
<td></td>
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<tr>
<td>CEP998/1/2 Project B²</td>
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<td>5</td>
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<tr>
<td>Units chosen from major totalling</td>
<td>28</td>
<td></td>
</tr>
</tbody>
</table>

**ENVIRONMENTAL ENGINEERING MAJOR (EVN)**

**Compulsory units:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEP172</td>
<td>Water Quality Engineering</td>
<td>even, 1</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>CEP277</td>
<td>Waste Management</td>
<td>even, 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CEP290</td>
<td>Environmental Law &amp; Assessment³</td>
<td>odd, 2</td>
<td>8</td>
<td>2</td>
</tr>
</tbody>
</table>

Choose remaining units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEP128</td>
<td>Municipal Engineering Planning</td>
<td>even, 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CEP174</td>
<td>Public Health Engineering Practice</td>
<td>odd, 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CEP276</td>
<td>Advanced Treatment Processes</td>
<td>odd, 2</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>CEP310</td>
<td>Urban Transportation Planning</td>
<td>even, 2</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>CEP361</td>
<td>Drainage Engineering</td>
<td>odd, 2</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>CHP691</td>
<td>Environmental Chemistry</td>
<td>even, 2</td>
<td>8</td>
<td>2</td>
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</tbody>
</table>

**LOCAL GOVERNMENT ENGINEERING MAJOR (LGN)**

**Compulsory units:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEP107</td>
<td>Construction Management &amp; Economics</td>
<td>odd, 1</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>CEP127</td>
<td>Road &amp; Traffic Engineering</td>
<td>odd, 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CEP128</td>
<td>Municipal Engineering Planning</td>
<td>even, 1</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

² Safety boots must be worn for practical exercises and field trips.
³ CEP290 Environmental Law and Assessment may be offered in even years, Semester 2, in conjunction with a Bachelor of Engineering elective unit.
Choose remaining units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Even/Odd</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEP109</td>
<td>Municipal Law &amp; Regulations</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>CEP174</td>
<td>Public Health Engineering Practice</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>CEP290</td>
<td>Environmental Law &amp; Assessment</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>CEP361</td>
<td>Drainage Engineering</td>
<td>2</td>
<td>8</td>
</tr>
</tbody>
</table>

PUBLIC HEALTH ENGINEERING MAJOR (PHN)

Compulsory units:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Even/Odd</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEP172</td>
<td>Water Quality Engineering</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>CEP174</td>
<td>Public Health Engineering Practice</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>CEP276</td>
<td>Advanced Treatment Processes</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>CEP277</td>
<td>Waste Management</td>
<td>2</td>
<td>12</td>
</tr>
</tbody>
</table>

Choose remaining units from any other major.

TRANSPORTATION ENGINEERING MAJOR (TRN)

Compulsory units:

<table>
<thead>
<tr>
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<th>Course Name</th>
<th>Even/Odd</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEP127</td>
<td>Road &amp; Traffic Engineering</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>CEP215</td>
<td>Advanced Traffic Engineering</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>CEP218</td>
<td>Transportation Engineering</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>CEP310</td>
<td>Urban Transportation Planning</td>
<td>2</td>
<td>8</td>
</tr>
</tbody>
</table>

Choose remaining units from any other major.

Master of Engineering Science (Computer and Communication Engineering) (EE76)

This course code (EE76) replaces course code (EE75).

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Anthony Maeder

Entry requirements

(i) Bachelor degree in Engineering with at least second class Honours or equivalent, or
(ii) Bachelor degree in Engineering or equivalent together with successful completion of the Masters Qualifying Program
(iii) Graduate Diploma in Computer Engineering with a grade point average (GPA) of 5.0 (credit level) or higher will meet the entry requirements for admission to the Master of Engineering Science (Computer and Communication Engineering Stream) Upgrade Program.

Streams

Two streams are offered in the course: Computer Engineering and Communication Engineering. Students enrol in units according to the stream they wish to pursue. Any requests for approval to substitute different units should be directed to the Course Coordinator.

Masters Qualifying Program

Applicants who do not meet the entry requirements for the Master of Engineering Science (Computer and Communication Engineering) outlined in (i) above, will be required to enrol in the first semester of the Graduate Diploma in Computer Engineering (EE65). If in

---

4 CEP290 Environmental Law and Assessment may be offered in even years, Semester 2, in conjunction with a Bachelor of Engineering elective unit.
this first semester a sufficiently high standard is attained, then candidates will be invited to change enrolment to the Masters program. Otherwise they will continue their studies in the Graduate Diploma in Computer Engineering towards that award.

Masters Upgrade Program

Those who have completed the Graduate Diploma in Computer Engineering may upgrade by undertaking further study in the Master of Engineering Science (Computer Engineering Stream) and be given credit for the units which they have completed at graduate diploma level. The structure of the course dictates that this upgrade program be undertaken on a part-time basis.

Students undertaking the Masters Upgrade Program will enrol in the following units:

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEP301</td>
<td>Project</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>EEP302</td>
<td>Research Component 1 (Computer Engineering Stream)</td>
<td>12</td>
<td>1</td>
</tr>
</tbody>
</table>

Methods of Assessment

Assessment is undertaken in six coursework units and two research units. The coursework units are common with the Graduate Diploma in Computer Engineering. However, Masters students must undertake an additional research training assessment for each coursework unit. These six additional assessments constitute the Research Component unit. Also, an individual research project under academic supervision must be completed. Candidates who have completed the Graduate Diploma in Computer Engineering will be required to complete both the Project and the Research Component, undertaking additional assessment for each coursework unit credited towards the Graduate Diploma.

COMPUTER ENGINEERING STREAM

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Code</th>
<th>Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EEP101</td>
<td>Algorithms for Control Engineering</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP102</td>
<td>Unix &amp; C for Engineers</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP124</td>
<td>Data Communications</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one unit from the following:</td>
<td>EEP129</td>
<td>Image Processing &amp; Computer Vision</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP137</td>
<td>Advanced Topic A</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Year 1, Semester 2</td>
<td>EEP104</td>
<td>Real-time Operating Systems</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP301</td>
<td>Project</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>EEP302</td>
<td>Research Component 1</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>Select one unit from the following:</td>
<td>EEP120</td>
<td>Networks &amp; Distributed Computing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP127</td>
<td>Advanced Topic B</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Code</th>
<th>Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EEP101</td>
<td>Algorithms for Control Engineering</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one unit from the following:</td>
<td>EEP102</td>
<td>Unix &amp; C for Engineers</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP137</td>
<td>Advanced Topic A</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Year 1, Semester 2</td>
<td>EEP104</td>
<td>Real-time Operating Systems</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one unit from the following:</td>
<td>EEP102</td>
<td>Unix &amp; C for Engineers</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP137</td>
<td>Advanced Topic A</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
Advanced Topics A and B Subject List

Advanced Topics will vary from year to year depending on staff areas of interest. They may include topics from the following list. Only one of these units will be offered per semester. Other units at a suitable academic level may be substituted, with the approval of the Course Coordinator.

- Adaptive Filtering & Array Processing
- Digital Spectral Analysis
- Stochastic Processes
- Parallel & Supercomputing
- Advanced Engineering Software Tools
- Process Control & Robotics
- Computer Hardware & Interfacing
- Any core unit of other stream

- Master of Engineering Science (Electricity Supply Engineering) (EE78)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48

Tuition Fees (Domestic Students): $142 per credit point for day/evening classes (fees for short-courses and resource-based learning units available on application to School of Electrical and Electronic Systems Engineering) plus a $1000 thesis supervision charge

Course Coordinator: Mr David Birtwhistle

Entry requirements
(i) a Bachelor degree in Electrical Engineering and at least second class Honours with a study of power subjects to third year level, or
(ii) students with the degree qualification, but who do not have second class Honours may transfer from the Graduate Diploma (Electricity Supply) after completing 48 credit points with a grade point average (GPA) of 5.0 or greater
(iii) students seeking admission to Master of Engineering Science will only be enrolled if they have a firm offer of a supervised industry placement.

Full-time course structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 Units (selected from List 1)</td>
<td>48</td>
<td>12</td>
</tr>
</tbody>
</table>

Year 1, Semester 2

| EEP230                        | Thesis A      | 12 | 3 |
| EEP231                        | Thesis B      | 12 | 3 |
| 6 Units (selected from List 1) | 24 | 6 |

Part-time course structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 Units (selected from List 1)</td>
<td>24</td>
<td>6</td>
</tr>
</tbody>
</table>

Year 1, Semester 2

| 6 Units (selected from List 1) | 24 | 6 |

Year 2, Semester 1

| EEP230                        | Thesis A      | 12 | 3 |
| 3 Units (selected from List 1) | 12 | 3 |

Year 2, Semester 2

| EEP231                        | Thesis B      | 12 | 3 |
| 3 Units (selected from List 1) | 12 | 3 |

List 1: Units

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Weeks</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEP201</td>
<td>Fundamentals of Power System Earthing</td>
<td>1-5</td>
<td>4</td>
</tr>
<tr>
<td>EEP202</td>
<td>Thermal Ratings &amp; Heat Transfer</td>
<td>1-5</td>
<td>4</td>
</tr>
<tr>
<td>EEP204</td>
<td>Power System Load Flow Analysis</td>
<td>1-5</td>
<td>4</td>
</tr>
<tr>
<td>EEP213</td>
<td>Statistics</td>
<td>1-5</td>
<td>4</td>
</tr>
<tr>
<td>EEP240</td>
<td>Organisation and Financial Management in the Electricity Supply Industry</td>
<td>1-5</td>
<td>4</td>
</tr>
<tr>
<td>EEP203</td>
<td>Testing &amp; Condition Monitoring</td>
<td>6-10</td>
<td>4</td>
</tr>
<tr>
<td>EEP205</td>
<td>Power System Fault Calculations</td>
<td>6-10</td>
<td>4</td>
</tr>
<tr>
<td>EEP208</td>
<td>Economic Analysis for Power Systems Engineers</td>
<td>6-10</td>
<td>4</td>
</tr>
<tr>
<td>EEP210</td>
<td>Abnormal System Voltages</td>
<td>6-10</td>
<td>4</td>
</tr>
<tr>
<td>EEP247</td>
<td>Introduction to Plant Control in Industry &amp; Power Generation</td>
<td>6-10</td>
<td>4</td>
</tr>
</tbody>
</table>

5 Students must complete 100 days of supervised professional practice. The thesis is related to this industry experience.
EEP206  Project Management  11-15  4  3  
EEP209  Power System Harmonics  11-15  4  3  
EEP218  Introduction to Automated System Control and Supervisory Systems (SCADA)  11-15  4  3  
EEP219  High Voltage Substation Equipment, Power Transformers & Reactive Power Plant  11-15  4  3  
EEP243  Contract Administration  11-15  4  3  

Semester 2  
EEP207  Overhead Line Route Selection – Environmental Factors  1-5  4  3  
EEP211  Basic Power System Protection  1-5  4  3  
EEP215  Reliability  1-5  4  3  
EEP221  Limits to Power System Stability  1-5  4  3  
EEP244  Circuit Breakers – Switchgear  1-5  4  3  
EEP212  Advanced Power System Protection  6-10  4  3  
EEP214  Risk Assessment in the Electricity Supply Industry  6-10  4  3  
EEP216  Overhead Line Design – Electrical  6-10  4  3  
EEP223  Load Forecasting  6-10  4  3  
EEP245  Introduction to Substation Design  6-10  4  3  
EEP217  Overhead Line Design – Mechanical  11-15  4  3  
EEP220  Distribution Planning  11-15  4  3  
EEP222  Maintenance of Electricity Supply Systems  11-15  4  3  
EEP224  Power System Operation  11-15  4  3  
EEP242  Efficient Marketing and Utilisation of Electricity: Demand and Supply Side Solutions  11-15  4  3  

Units available as Resource-based Learning (i.e. Distance Education) with flexible enrolment.

**Units available as Resource-based Learning (i.e. Distance Education)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Hours of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEP202</td>
<td>Thermal Ratings and Heat Transfer</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP208</td>
<td>Economic Analysis for Power System Engineers</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP209</td>
<td>Power System Harmonics</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP210</td>
<td>Abnormal System Voltages</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP211</td>
<td>Basic Power System Protection</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP212</td>
<td>Advanced Power System Protection</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP213</td>
<td>Statistics</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP214</td>
<td>Risk Management in the Electricity Supply Industry</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP215</td>
<td>Reliability</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP217</td>
<td>Overhead Line Design – Mechanical</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP220</td>
<td>Distribution Planning</td>
<td>4</td>
<td>45</td>
</tr>
</tbody>
</table>

Units in this course have been accepted by industry as approved training modules. Credit points may be accumulated towards this award from day/ evening classes (3 hours per week x 5 weeks), flexible enrolment in Resource-based Learning (i.e. Distance Education) units or from studies taken as short-courses (conducted in June/July and November/December). Further information on units available as Resource-based Learning or short-courses can be obtained by contacting the School of Electrical and Electronic Systems Engineering on (07) 3864 1632.

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**Master of Engineering Science (Engineering Management)** (**ME76**)  
**Location:** Gardens Point campus  
**Course Duration:** 1 year full-time, 2 years part-time
Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Elias Siores

A similar course (ME77) is also offered in Singapore in conjunction with Crossfields Asia Pacific Pty Ltd.

Entry Requirements

A Bachelor's degree in Engineering (or its equivalent).

Part-time students are expected to be employed in some professional engineering capacity during the day and to carry out their QUT studies at night.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRN113 Management for Engineers</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN280 Engineering Project Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select two units from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEN190/1 Project</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN140 Quality &amp; Reliability Engineering</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN171 Advanced Manufacturing Technologies</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>FNN113 Managerial Accounting for Engineers</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN170 Systems Modelling &amp; Simulation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select two units from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEN190/2 Project</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN240 Maintenance Management &amp; Technology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN270 Manufacturing Resource Planning</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

### Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRN113 Management for Engineers</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN280 Engineering Project Management</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>FNN113 Managerial Accounting for Engineers</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN170 Systems Modelling &amp; Simulation</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select two units from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEN140 Quality &amp; Reliability Engineering</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN171 Advanced Manufacturing Technologies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN190/1 Project</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select two units from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEN240 Maintenance Management &amp; Technology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN270 Manufacturing Resource Planning</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MEN190/2 Project</td>
<td>12</td>
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</tr>
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**Master of Engineering Science (Engineering Management) (ME77) - Singapore**

**Location:** Singapore (Organised by Crossfields Asia Pacific Pty Ltd)

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6 Students must take MEN190/1 and MEN190/2 unless they obtain the permission of the Head of School, Mechanical and Manufacturing Engineering, not to do so.
Aim
The aim of the course is to provide engineers with an introduction to management methods and systems of key relevance to the engineering profession. Particular emphasis is given to manufacturing management and technology; and to maintenance, quality and reliability.

Course Outline
The course consists of eight units, of which two are project units and six are coursework units. The coursework units are offered on a block basis. Each block occupies two weeks with lectures each evening Monday to Friday.

For further information about the course, please contact Professor Nick Hastings on (07) 3864 2409.

Master of Landscape Architecture (PS71)

Location: Gardens Point campus

Course Duration: 2 years full-time (excluding any Masters Qualifying Units)

Total Credit Points: 228 (excluding any Masters Qualifying Units)

Standard Credit Points/Full-time Semester:
Semesters 1, 2 & 5: 48
Semesters 3 & 4: 54 minimum, 64 maximum

Course Coordinator: To be advised

Entry Requirements:
To be eligible for normal admission an applicant must:
(i) hold a degree requiring at least three years' full-time (or its equivalent) study and completed with a Grade Point Average of at least 5.0 on a seven-point scale; or
(ii) other documented qualifications and experience considered as equivalent by the Head of School; and, in addition but not necessarily before applying for admission, minimum knowledge and skills in design principles, freehand graphics, technical drawing and computer literacy as set out in the relevant Coursebook equivalent to a matriculation level in appropriate subject area or demonstrated equivalent approved by the Head of School.

Graduates of the Bachelor of Built Environment (Landscape Architecture) considered eligible for direct entry under the above criteria will be granted block credit for the first 96 credit points of the course on admission.

Professional Recognition
Professional accreditation for the course has been sought from the Australian Institute of Landscape Architects.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSP020 Landscape Studies 1</td>
<td>12</td>
<td>6</td>
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<tr>
<td>PSP021 Landscape Studies 2</td>
<td>12</td>
<td>7</td>
</tr>
<tr>
<td>PSP212 User &amp; Character Design Studies</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>PSP251 Landscape Construction 1</td>
<td>12</td>
<td>4</td>
</tr>
</tbody>
</table>

Subject to University approval of award title.
### Year 1, Semester 2
- PSP022 Landscape Studies 3 12 4
- PSP023 Landscape Studies 4 12 5
- PSP213 Site Planning 12 4
- PSP252 Landscape Construction 2 12 3

### Year 2, Semester 1
- PSP024 Advanced Landscape Studies 1 12 6
- PSP025 Advanced Landscape Studies 2 12 4
- PSP214 Residential Landscape Design 12 3
- PSP215 Urban Landscape Design 12 3

### Year 2, Semester 2
- PSP026 Advanced Landscape Studies 3 12 7
- PSN211 Research Project 1 12 3
- PSN213 Specialisation 12 3

### Year 3, Semester 1 (or 2)
- PSN212 Research Project 2 12 3
- PSN214 Electives 12 3

For students upgrading an existing Professional qualification the following Masters Qualifying Units are required (credit in all or part maybe granted at the discretion of the Head of School).

- PSN207 Preparatory Specialisation 1 12 3
- PSN208 Preparatory Specialisation 2 12 3
- PSN209 Preparatory Electives 1 12 3
- PSN210 Preparatory Electives 2 12 3

### Part-Time Course Structure

#### Year 1 Semester 1
- PSP020 Landscape Studies 1 12 6
- PSP251 Landscape Construction 1 12 4

#### Year 1 Semester 2
- PSP022 Landscape Studies 3 12 4
- PSP252 Landscape Construction 2 12 3

#### Year 2 Semester 1
- PSP021 Landscape Studies 2 12 7
- PSP212 User & Character Design Studies 12 6

#### Year 2 Semester 2
- PSP023 Landscape Studies 4 12 5
- PSP213 Site Planning 12 4

#### Year 3 Semester 1
- PSP024 Advanced Landscape Studies 1 12 6
- PSP214 Residential Landscape Design 12 3

#### Year 3 Semester 2
- PSP026 Advanced Landscape Studies 3 12 7
- PSP216 Landscape Planning 12 4

#### Year 4 Semester 1
- PSP025 Advanced Landscape Studies 2 12 4
- PSP215 Urban Landscape Design 12 3

#### Year 4 Semester 2
- PSP027 Advanced Landscape Studies 4 12 3

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8 Contact time allocations for these units are nominal only.
Masters Level Units

Year 1 Semester 1
PSN211  Research Project 1  12  3
PSN213  Specialisation  12  3

Year 1 Semester 2
PSN212  Research Project 2  12  3
PSN214  Electives  12  3

For students upgrading an existing Professional qualification the following Masters Qualifying Units are required (credit in all or part may be granted at the discretion of the Head of School).

PSN207  Preparatory Specialisation 1  12  3
PSN208  Preparatory Specialisation 2  12  3
PSN209  Preparatory Electives 1  12  3
PSN210  Preparatory Electives 2  12  3

[Master of Project Management (CN77)]

Similar courses are offered in Singapore (CN78) and Kuala Lumpur (CN79).

Location: Gardens Point campus

Course Duration: 1.5 years full-time, 3 years part-time

Total Credit Points: 144

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: To be advised

The first two semesters full-time or four semesters part-time are identical to the Graduate Diploma in Project Management (CN64). Persons admitted to the Master of Project Management who are graduates of the Graduate Diploma in Project Management will be required to complete CNN441 (one semester full-time) or CNN442 (two semesters part-time).

Entry Requirements

Applicants for admission shall hold:

(i) an approved Bachelor degree and demonstrated potential in professional activity to undertake a Masters degree course, or

(ii) a Bachelor degree and a relevant graduate diploma or qualifying program with a grade point average of 5.0 or better, or

(iii) qualifications deemed equivalent to (i) or (ii) by the Dean of Faculty on the recommendation of the Course Coordinator, and

(iv) shall normally have at least three years of appropriate industry experience after graduation.

As the coursework components of the Graduate Diploma in Project Management and the Master of Project Management are identical, students may transfer from the Graduate Diploma to the Masters degree program providing that they have a grade point average of 5.0 or better and quota places are available. Students are normally required to apply for transfer at the completion of a minimum of one semester (48 credit points) of the Graduate Diploma.

At the completion of the coursework component of the Masters degree program but before the completion of the Dissertation, students have the option of electing to graduate with the Graduate Diploma in Project Management.

9 Contact time allocations for these units are nominal only.
The Graduate Diploma in Project Management has majors in Project Management and Property Development. These areas are also available as majors within the Masters degree program.

Note: Whilst the unit CNN441 (or CNN442) Dissertation incorporates the unit IFN001 Advanced Information Retrieval Skills, it is recommended that IFN001 be completed prior to the commencement of the Masters degree program or as early in the first semester as possible. The credit point value of IFN001 is incorporated in the credit point value of CNN441 (or CNN442).

All units shown are compulsory core units. Twelve credit point subjects are to be undertaken as two consecutive semesters of study. They cannot be undertaken as one-semester units. Students may undertake additional elective units or replace core units for which credit has been formally approved with other units available throughout the University. These units should be offered at a postgraduate level, or in some cases, at an advanced undergraduate level. Variations to the recommended study program require prior approval from the Course Coordinator.

School electives are offered subject to an appropriate enrolment in each semester.

PROJECT MANAGEMENT MAJOR

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP426/1 Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP429 Cost Management &amp; Economics</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/1 Current Issues</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP431/1 Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP433/1 Project Management Law</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP434 Time Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP437 Field Trip</td>
<td>6</td>
<td>4 days</td>
</tr>
<tr>
<td>Two electives selected from List A</td>
<td></td>
<td>12</td>
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Year 1, Semester 2

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<tr>
<th></th>
<th>Credit Points</th>
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<td>CNP406 International Project Management</td>
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<tr>
<td>CNP426/2 Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/2 Current Issues</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP431/2 Project Management</td>
<td>6</td>
<td>2</td>
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<tr>
<td>CNP433/2 Project Management Law</td>
<td>6</td>
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Year 2, Semester 1

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Part-Time Course Structure

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<tr>
<td>CNP429 Cost Management &amp; Economics</td>
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<tr>
<td>CNP431/1 Project Management</td>
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<td>CNP434 Time Management</td>
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<tr>
<td>CNP437 Field Trip</td>
<td>6</td>
<td>4 days</td>
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Year 1, Semester 2

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<tr>
<td>CNP431/2 Project Management</td>
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Year 2, Semester 1

<table>
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<tr>
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<th>Credit Points</th>
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<tr>
<td>CNP426/1 Project Development</td>
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<tr>
<td>CNP430/1 Current Issues</td>
<td>6</td>
<td>2</td>
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<tr>
<td>CNP433/1 Project Management Law</td>
<td>6</td>
<td>2</td>
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<td>2</td>
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</tbody>
</table>
Year 2, Semester 2
CNP426/2 Project Development 6 2
CNP430/2 Current Issues 6 2
CNP433/2 Project Management Law 6 2
An elective unit selected from List B 6

Year 3, Semester 1
CNN442/1 Dissertation 24 2

Year 3, Semester 2
CNN442/2 Dissertation 24 2

List A: Semester 1 Elective Units
CNP400 Management of Technology 6 2
CNP402 Principles of Valuation 6 2
CNP403 Property Maintenance & Asset Management 6 2
CNP417 Design Management 6 2
CNP439 Property Management 6 2

List B: Semester 2 Elective Units
CNP404 Advanced Land Development 6 2
CNP422 Specialist Valuation 6 2
CNP667 Applied Computing 6 2

PROPERTY DEVELOPMENT MAJOR

Full-Time Course Structure

Year 1, Semester 1
CNP402 Principles of Valuation 6 2
CNP426/1 Project Development 6 2
CNP430/1 Current Issues 6 2
CNP431/1 Project Management 6 2
CNP433/1 Project Management Law 6 2
CNP437 Field Trip 6 4 days
CNP439 Property Management 6 2
Two electives selected from List C 12 4

Year 1, Semester 2
CNP426/2 Project Development 6 2
CNP430/2 Current Issues 6 2
CNP431/2 Project Management 6 2
CNP433/2 Project Management Law 6 2
CNP438 Real Estate Investment Analysis 6 2
Two electives selected from List D 12 4

Year 2, Semester 1
CNN441 Dissertation 48

Part-Time Course Structure

Year 1, Semester 1
CNP402 Principles of Valuation 6 2
CNP426/1 Project Development 6 2
CNP431/1 Project Management 6 2
CNP437 Field Trip 6 4 days
An elective unit selected from List C 6 2

Year 1, Semester 2
CNP426/2 Project Development 6 2
CNP431/2 Project Management 6 2
CNP438 Real Estate Investment Analysis 6 2

Year 2, Semester 1
CNP430/1 Current Issues 6 2
CNP433/1 Project Management Law 6 2
CNP439 Property Management 6 2
An elective unit selected from List C 6 2
Year 2, Semester 2
CNP430/2 Current Issues 6 2
CNP433/2 Project Management Law 6 2
Two electives selected from List D 12 4

Year 3, Semester 1
CNN442/1 Dissertation 24 2

Year 3, Semester 2
CNN442/2 Dissertation 24 2

List C: Semester 1 Elective Units
CNP400 Management of Technology 6 2
CNP403 Property Maintenance & Asset Management 6 2
CNP417 Design Management 6 2
CNP429 Cost Management & Economics 6 2
CNP434 Time Management 6 2

List D: Semester 2 Elective Units
CNP404 Advanced Land Development 6 2
CNP406 International Project Management 6 2
CNP422 Specialist Valuation 6 2
CNP667 Applied Computing 6 2

Master of Project Management (CN78) – Singapore
Location: Sumbershire Management Consultants Pte Ltd, Singapore

Aim
The course aims to provide professionals with a high level of conceptual understanding of project management. Depending on the specialisation in project management or property development, study can be divided into areas of applied management, legal studies, economics, integrative studies and research.

Course Outline
The study has coursework and research components. The coursework consists of eight structured units covering project development, project management, current issues and investment analysis. Students then undertake individual research in an approved area of specialty. Identification of and solutions to practical problems are emphasised both in the study and research components.

For further information on the course, please contact Dr Jay Yang on (07) 3864 1028.

Master of Project Management (CN79) – Kuala Lumpur
Location: Amset (M) Sdn Bhd, Kuala Lumpur

Aim
The course aims to provide professionals with a high level of conceptual understanding of project management. Depending on the specialisation in project management or property development, study can be divided into areas of applied management, legal studies, economics, integrative studies and research.

Course Outline
The study has coursework and research components. The coursework consists of eight structured units covering project development, project management, current issues and investment analysis. Students then undertake individual research in an approved area of
specialty. Identification of and solutions to practical problems are emphasised both in the study and research components.

For further information on the course, please contact Dr Jay Yang on (07) 3864 1028.

#### Master of Urban and Regional Planning (PS70)

**Location:** Gardens Point campus

**Course Duration:** Four semesters full-time or eight semesters part-time

**Total Credit Points:** 192

**Standard credit points per full-time semester:** 48

**Course Coordinator:** To be advised

**Entry Requirements:**
To be eligible for consideration for direct entry into the course an applicant must have either:

(i) a recognised tertiary degree requiring at least three years' full-time study (or its equivalent), or

(ii) other documented qualifications and experience considered to be equivalent by the Head of School. Applicants may be required to attend an interview, or sit an examination, where appropriate as part of the selection process.

A graduate of the modified Graduate Diploma in Urban and Regional Planning (offered from 1996) may apply to enrol in the Master of Urban and Regional Planning and if accepted will be given credit for Modules A, B and C.

Graduates who completed the Graduate Diploma in Urban and Regional Planning before 1996 will be allowed credit for the new Graduate Diploma in Urban and Regional Planning to enter the Masters program, depending on their grade point average, work experience and length of time which has elapsed since graduation. Such graduates may be required to complete units in the new Graduate Diploma in Urban and Regional Planning. Each case will be treated on its individual merits and will be decided by the Head of School in consultation with the graduate concerned and staff.

**Full-Time Course Structure**

The program is being offered with entry at the start of the year, and from 1997 also through a mid-year (second semester) entry. Students must complete four modules to complete the Masters Degree. Each module is worth 48 credit points, equivalent to one semester full-time or two semesters part-time. Modules may be offered in either first or second semester.

<table>
<thead>
<tr>
<th>Module</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module A</td>
<td>12</td>
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</tr>
<tr>
<td>PSP501 Environmental Planning &amp; Assessment</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP502 Economic &amp; Social Foundations of Planning</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP503 Planning &amp; Research Methods</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP504 Urban Systems &amp; Infrastructure</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Module B</td>
<td>12</td>
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</tr>
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<td>PSP505 Planning in Society</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSP506 Planning Theory &amp; Ethics</td>
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10 *Subject to University approval of award title.*
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
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<tbody>
<tr>
<td>PSP507</td>
<td>Planning Procedures &amp; Law</td>
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<tr>
<td>PSP508</td>
<td>Planning Practice I</td>
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<td>PSP513</td>
<td>Field Trip&lt;sup&gt;11&lt;/sup&gt;</td>
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<td><strong>Module C</strong></td>
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<tr>
<td>PSP509</td>
<td>Regional &amp; Metropolitan Policy</td>
<td>12</td>
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<td>PSP510</td>
<td>Specialisation</td>
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<td>PSN211</td>
<td>Research Project I &amp; Advanced Research Methods</td>
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<tr>
<td>PSP512</td>
<td>Planning Practice II</td>
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<td>PSN221</td>
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<td>PSN212</td>
<td>Research Project II</td>
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<td>PSN223</td>
<td>Special Topics in Planning Methods</td>
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<td><strong>Part-time Course Structure</strong></td>
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<td><strong>Module A1</strong></td>
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<td>PSP502</td>
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<td>PSP510</td>
<td>Specialisation</td>
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<td>1 week</td>
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<td>PSN223</td>
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<td><strong>Notes</strong></td>
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<tr>
<td>PSP510 Specialisation and PSN221 Advanced Specialisation offer specialisations in local and regional development, urban housing and community development, urban design and environmental and resource planning. Other special topics may be offered depending on staff availability.</td>
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<tr>
<td>PSN214 Elective allows students to choose an elective subject worth 12 credit points from elsewhere in QUT or at another tertiary institution, subject to approval of the Course Coordinator.</td>
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</table>

<sup>11</sup> Alternative module locations for a single week-long field trip.
Graduate Diploma in Computer Engineering (EE65)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Anthony Maeder

Entry Requirements

Applicants must hold a Bachelors degree in Engineering or Computer Science. Applicants possessing a degree in other areas of technology such as Mathematics, Physics or Chemistry may be required to undertake prerequisite undergraduate units.

Course Structure

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, Semester 1</td>
<td>EEP101</td>
<td>Algorithms for Control Engineering</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP102</td>
<td>Unix &amp; C for Engineers</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP124</td>
<td>Data Communications</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP129</td>
<td>Image Processing &amp; Computer Vision</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>1, Semester 2</td>
<td>EEP103</td>
<td>Computer Hardware &amp; Interfacing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP104</td>
<td>Real-time Operating Systems</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP120</td>
<td>Networks &amp; Distributed Computing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP123</td>
<td>Process Control &amp; Robotics</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, Semester 1</td>
<td>EEP101</td>
<td>Algorithms for Control Engineering</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP102</td>
<td>Unix &amp; C for Engineers</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>1, Semester 2</td>
<td>EEP103</td>
<td>Computer Hardware &amp; Interfacing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP104</td>
<td>Real-time Operating Systems</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>2, Semester 1</td>
<td>EEP124</td>
<td>Data Communications</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP129</td>
<td>Image Processing &amp; Computer Vision</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>2, Semester 2</td>
<td>EEP120</td>
<td>Networks &amp; Distributed Computing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP123</td>
<td>Process Control &amp; Robotics</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Graduate Diploma in Electricity Supply Engineering (EE60)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Tuition Fees (Domestic Students): $142 per credit point for day/evening classes (fees for short-courses and resource-based learning units available on application to School of Electrical and Electronic Systems Engineering)

Course Coordinator: Mr David Birtwhistle
Entry requirements
A Bachelor degree in Electrical Engineering with a study of power subjects to third-year level.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>12 Units (selected from List 1)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
</table>

| Year 1, Semester 2 | 12 Units (selected from List 1) | 48            | 12            |

Part-time course structure

| Year 1, Semester 1 | 6 Units (selected from List 1) | 24            | 6             |

| Year 1, Semester 2 | 6 Units (selected from List 1) | 24            | 6             |

| Year 2, Semester 1 | 6 Units (selected from List 1) | 24            | 6             |

| Year 2, Semester 2 | 6 Units (selected from List 1) | 24            | 6             |

List 1: Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Weeks</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEP201</td>
<td>Fundamentals of Power System Earthing</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP202</td>
<td>Thermal Ratings &amp; Heat Transfer</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP204</td>
<td>Power System Load Flow Analysis</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP213</td>
<td>Statistics</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP240</td>
<td>Organisation and Financial Management in the Electricity Supply Industry</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP203</td>
<td>Testing &amp; Condition Monitoring</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP205</td>
<td>Power System Fault Calculations</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP208</td>
<td>Economic Analysis for Power Systems Engineers</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP210</td>
<td>Abnormal System Voltages</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP247</td>
<td>Introduction to Plant Control in Industry and Power Generation</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP206</td>
<td>Project Management</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP209</td>
<td>Power System Harmonics</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP218</td>
<td>Introduction to Automated System Control &amp; Supervisory Systems</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP219</td>
<td>High Voltage Substation Equipment, Power Transformers &amp; Reactive Power Plant</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP243</td>
<td>Contract Administration</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>

Semester 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Weeks</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEP207</td>
<td>Overhead Line Route Selection – Environmental Factors</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP211</td>
<td>Basic Power System Protection</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP215</td>
<td>Reliability</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP221</td>
<td>Limits to Power System Stability</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP244</td>
<td>Circuit Breakers – Switchgear</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP212</td>
<td>Advanced Power System Protection</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP214</td>
<td>Risk Assessment in the Electricity Supply Industry</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP216</td>
<td>Overhead Line Design – Electrical</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP223</td>
<td>Load Forecasting</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP245</td>
<td>Introduction to Substation Design</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>
Units available as Resource-based Learning (i.e. Distance Education) with flexible enrolment:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Hours of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEP202</td>
<td>Thermal Ratings and Heat Transfer</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP208</td>
<td>Economic Analysis for Power System Engineers</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP209</td>
<td>Power System Harmonics</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP210</td>
<td>Abnormal System Voltages</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP211</td>
<td>Basic Power System Protection</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP212</td>
<td>Advanced Power System Protection</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP213</td>
<td>Statistics</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP214</td>
<td>Risk Management in the Electricity Supply Industry</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP215</td>
<td>Reliability</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP217</td>
<td>Overhead Line Design – Mechanical</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP220</td>
<td>Distribution Planning</td>
<td>4</td>
<td>45</td>
</tr>
</tbody>
</table>

Units in this course have been accepted by industry as approved training modules.

Credit points may be accumulated towards this award from day/evening classes (3 hours per week x 5 weeks), flexible enrolment in Resource-based Learning (i.e. Distance Education) units or from studies taken as short-courses (conducted in June/July and November/December). Further information on units available as Resource-based Learning or short-courses can be obtained by contacting the School of Electrical and Electronic Systems Engineering on (07) 3864 1632.

■ Graduate Diploma in Industrial Design (AR61)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Vesna Popovic

Entry Requirements

To be eligible for admission, an applicant must:

(i) hold an approved degree or diploma from a recognised tertiary institution; or

(ii) have attained professional recognition by an equivalent course of study or examination.

Professional Recognition

The Graduate Diploma in Industrial Design has been accredited by the Design Institute of Australia (DIA). Graduates are eligible for Associate membership on graduation.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARP613</td>
<td>Advanced Ergonomics 1</td>
<td>6</td>
</tr>
<tr>
<td>ARP670</td>
<td>Elective A</td>
<td>6</td>
</tr>
<tr>
<td>ARP672</td>
<td>Industrial Design 1</td>
<td>12</td>
</tr>
</tbody>
</table>
ARP674  Industrial Design Research 1          18  8
ARP676  Advanced Computer-aided Industrial Design 1  6  2

Semester 2
ARP623  Advanced Ergonomics 2                6  2
ARP654  Professional Practice and Management  6  2
ARP673  Industrial Design 2                  12  6
ARP675  Industrial Design Research 2         18  8
ARP677  Advanced Computer-aided Industrial Design 2  6  2

Part-Time Course Structure

Year 1, Semester 1
ARP613  Advanced Ergonomics 1                6  2
ARP672  Industrial Design 1                  12  6
ARP676  Advanced Computer-aided Industrial Design 1  6  2

Year 1, Semester 2
ARP623  Advanced Ergonomics 2                6  2
ARP673  Industrial Design 2                  12  6
ARP677  Advanced Computer-aided Industrial Design 2  6  2

Year 2, Semester 1
ARP670  Elective A                           6  2
ARP674  Industrial Design Research 1         18  8

Year 2, Semester 2
ARP654  Professional Practice and Management 6  2
ARP675  Industrial Design Research 2         18  8

Elective Units
All electives undertaken must have the prior approval of the Course Coordinator.

■ Graduate Diploma in Interior Design (AR62)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: To be advised

Entry Requirements
To be eligible for admission, an applicant must:
(i) hold an approved degree or diploma from a recognised tertiary institution, or
(ii) have attained professional recognition by an equivalent course of study or examination.

Professional Recognition
The Graduate Diploma in Interior Design has been accredited by the Design Institute of Australia.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARP502  Advanced Interior Design 1</td>
<td>18</td>
<td>6</td>
</tr>
<tr>
<td>ARP508  Professional Studies 1</td>
<td>18</td>
<td>6</td>
</tr>
<tr>
<td>ARP606  Elective 1</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>ARP608  Theory &amp; Criticism</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>
### Semester 2
- ARP503  Advanced Interior Design 2  18  6
- ARP604  Conservation of Historic Interiors  18  6
- ARP605  Professional Studies 2  6  2
- ARP607  Elective 2  6  2

### Part-Time Course Structure
#### Year 1, Semester 1
- ARP502  Advanced Interior Design 1  18  6
- ARP606  Elective 1  6  2

#### Year 1, Semester 2
- ARP503  Advanced Interior Design 2  18  6
- ARP607  Elective 2  6  2

#### Year 2, Semester 1
- ARP508  Professional Studies 1  18  6
- ARP608  Theory & Criticism  6  2

#### Year 2, Semester 2
- ARP604  Conservation of Historic Interiors  18  6
- ARP605  Professional Studies 2  6  2

### Elective Units
All electives undertaken must have prior approval of the Course Coordinator.

---

### Graduate Diploma in Landscape Architecture (PS66)

**Location:** Gardens Point campus  

**Course Duration:** 2 years full-time, 4 years part-time  

**Total Credit Points:** 192  

**Standard Credit Points/Full-time semester:** 48  

**Course Coordinator:** To be advised  

**Entry Requirements**
To be eligible for normal admission, an applicant must:

1. hold a degree or diploma from a recognised tertiary institution, or
2. have attained professional recognition by a course of study or examination.

Special entry provisions also apply. Prior to beginning studies in the course (but not necessarily prior to application for admission) applicants are required to have appropriate skills and knowledge in basic design/perception, free-hand graphics, and technical drawing.

Graduates of the Bachelor of Built Environment (Landscape Architecture) are credited with Year 1 (full-time) or Years 1 and 2 (part-time). Students from other backgrounds may be granted credit as appropriate to their education and experience.

**Professional Recognition**
The Graduate Diploma in Landscape Architecture is accredited by the Australian Institute of Landscape Architects.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSP020 Landscape Studies 1</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>PSP021 Landscape Studies 2</td>
<td>12</td>
<td>7</td>
</tr>
</tbody>
</table>
PSP212 User & Character Design Studies 12 6
PSP251 Landscape Construction 1 12 4

Year 1, Semester 2
PSP022 Landscape Studies 3 12 4
PSP023 Landscape Studies 4 12 5
PSP213 Site Planning 12 4
PSP252 Landscape Construction 2 12 3

Year 1, Semester 2
PSP024 Advanced Landscape Studies 1 12 6
PSP025 Advanced Landscape Studies 2 12 4
PSP214 Residential Landscape Design 12 3
PSP215 Urban Landscape Design 12 3

Year 2, Semester 1
PSP026 Advanced Landscape Studies 3 12 7
PSP027 Advanced Landscape Studies 4 12 3
PSP216 Landscape Planning 12 4
PSP219 Advanced Landscape Design 12 4

Part-Time Course Structure
Year 1 Semester 1
PSP020 Landscape Studies 1 12 6
PSP251 Landscape Construction 1 12 4

Year 1 Semester 2
PSP022 Landscape Studies 3 12 4
PSP252 Landscape Construction 2 12 3

Year 2 Semester 1
PSP021 Landscape Studies 2 12 7
PSP212 User & Character Design Studies 12 6

Year 2 Semester 2
PSP023 Landscape Studies 4 12 5
PSP213 Site Planning 12 4

Year 3 Semester 1
PSP024 Advanced Landscape Studies 1 12 6
PSP214 Residential Landscape Design 12 3

Year 3 Semester 2
PSP026 Advanced Landscape Studies 3 12 7
PSP216 Landscape Planning 12 4

Year 4 Semester 1
PSP025 Advanced Landscape Studies 2 12 4
PSP215 Urban Landscape Design 12 3

Year 4 Semester 2
PSP027 Advanced Landscape Studies 4 12 3
PSP219 Advanced Landscape Design 12 4

■ Graduate Diploma in Municipal Engineering (CE63)

Location: Gardens Point campus

Course Duration: 2 years part-time

Total Credit Points: 96

Standard Credit Points/Part-Time Semester: 24

Course Coordinator: Dr Luis Ferreira
Entry Requirements
To be eligible for admission an applicant must hold an acceptable degree or diploma in engineering from a recognised institution.

Applicants who do not meet the requirements for normal entry but who hold a degree or diploma in a scientific or technological field or other equivalent qualifications or hold professional engineering recognition may be required to complete such prerequisite engineering units as may be determined by the Head of the School of Civil Engineering prior to enrolment in the course.

Course Structure
The course has four majors. It consists of 40 credit points (10 semester hours) of core material common to all majors and a minimum of 56 credit points (14 semester hours) of material prescribed for majors. The majority of the units are common with the Master of Engineering Science (Civil) (CE74).

Students may transfer from the Graduate Diploma in Municipal Engineering to the Master of Engineering Science (Civil). For further details on the transfer arrangement refer to the Master of Engineering (Civil) entry in this Handbook.

Students who do not wish to undertake a major must complete the core units plus any combination of units from the majors totalling at least 56 credit points. Programs should be devised in consultation with the Course Coordinator.

Graduates who have completed the prescribed units for a major will have their award certificates and academic transcripts endorsed ‘Majoring in...’.

Course Structure – All Majors

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEP128 Municipal Engineering Planning (offered even years)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CEP131 Engineering Management &amp; Administration</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEP200 Process Modelling</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>CEP361 Drainage Engineering (offered odd years)</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>Unit chosen from major</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Units chosen from major</td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Units chosen from major</td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ENVIRONMENTAL ENGINEERING MAJOR (EVN)</th>
<th>Year and Semester of Offer</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEP172 Water Quality Engineering</td>
<td>even, 1</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>CEP174 Public Health Engineering Practice</td>
<td>odd, 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CEP276 Advanced Treatment Processes</td>
<td>odd, 2</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>CEP277 Waste Management</td>
<td>even, 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CEP290 Environmental Law &amp; Assessment</td>
<td>odd, 2</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>CHP691 Environmental Chemistry</td>
<td>even, 2</td>
<td>8</td>
<td>2</td>
</tr>
</tbody>
</table>

12 In years that these units are not available, students take units from their chosen major and complete these units in the following year.

13 CEP290 Environmental Law and Assessment may be offered in even years, semester 2, in conjunction with a Bachelor of Engineering elective unit.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester</th>
<th>Credit Points</th>
<th>Contact Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEP107</td>
<td>Construction Management &amp; Economics</td>
<td>odd, 1</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>CEP109</td>
<td>Municipal Law &amp; Regulations</td>
<td>even, 2</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>CEP127</td>
<td>Road &amp; Traffic Engineering</td>
<td>odd, 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CEP174</td>
<td>Public Health Engineering Practice</td>
<td>odd, 1</td>
<td>12</td>
<td>3</td>
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</table>

Plus units totalling at least 16 credit points from any other major.\(^{14}\)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester</th>
<th>Credit Points</th>
<th>Contact Hours</th>
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<td>Water Quality Engineering</td>
<td>even, 1</td>
<td>8</td>
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<td>CEP174</td>
<td>Public Health Engineering Practice</td>
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<td>CEP276</td>
<td>Advanced Treatment Processes</td>
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<tr>
<td>CEP277</td>
<td>Waste Management</td>
<td>even, 2</td>
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Plus units totalling at least 16 credit points from any other major.\(^{14}\)

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Semester</th>
<th>Credit Points</th>
<th>Contact Hours</th>
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<td>Road &amp; Traffic Engineering</td>
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<td>CEP215</td>
<td>Advanced Traffic Engineering</td>
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<td>2</td>
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<tr>
<td>CEP218</td>
<td>Transportation Engineering</td>
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<tr>
<td>CEP310</td>
<td>Urban Transportation Planning</td>
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<td>8</td>
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</table>

Plus units totalling at least 16 credit points from any other major.\(^{14}\)

---

**Graduate Diploma in Project Management (CN64)**

Similar courses are offered in Singapore (CN65) and Kuala Lumpur (CN66).

**Location:** Gardens Point campus

**Course Duration:** 1 year full-time, 2 years part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** To be advised

**Entry Requirements**

To be eligible for admission an applicant must:

(i) hold an approved degree or diploma from a recognised tertiary institution, or

(ii) have attained professional recognition by an equivalent course of study or examination, and

(iii) have a minimum of three years’ relevant experience after graduation.

(iv) Special entry at the discretion of the Course Coordinator may be granted where an equivalent course of study or examination cannot be readily established. This may involve a qualifying examination.

The Graduate Diploma in Project Management has majors in Project Management and Property Development. These areas are also available as majors within the Masters degree program.

**Note:** It is strongly recommended that all graduate diploma students complete the unit IFNO001 Advanced Information Retrieval Skills before commencing the course or early in Semester 1. The credit points of this unit will not be included in the total credit points which must be completed for the award of the Graduate Diploma.

\(^{14}\) Includes CEP491 Municipal Engineering Practice (16 credit points and 4 contact hours) which is available in any semester.
All units shown are compulsory core units. Twelve credit point units are to be undertaken as two consecutive semesters of study. They cannot be undertaken as one semester units. Students may undertake additional elective units or replace core units for which credit has been formally approved with other units available throughout the University. These units should be offered at a postgraduate level, or in some cases, at an advanced undergraduate level. Variations to the recommended study program require prior approval from the Course Coordinator.

School electives are offered subject to an appropriate enrolment in each semester.

**PROJECT MANAGEMENT MAJOR**

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP426/l Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP429 Cost Management &amp; Economics</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/l Current Issues</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP431/l Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP433/l Project Management Law</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP434 Time Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP437 Field Trip</td>
<td>6</td>
<td>4 days</td>
</tr>
<tr>
<td>Two electives selected from List A</td>
<td>12</td>
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<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
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<tbody>
<tr>
<td>CNP406 International Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP426/2 Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/2 Current Issues</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP431/2 Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP433/2 Project Management Law</td>
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<td>2</td>
</tr>
<tr>
<td>Two electives selected from List B</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

### Part-Time Course Structure

#### Year 1, Semester 1

| CNP429 Cost Management & Economics | 6 | 2 |
| CNP431/l Project Management | 6 | 2 |
| CNP434 Time Management | 6 | 2 |
| CNP437 Field Trip | 6 | 4 days |

An elective unit selected from List A

#### Year 1, Semester 2

| CNP406 International Project Management | 6 | 2 |
| CNP431/2 Project Management | 6 | 2 |

An elective unit selected from List B

#### Year 2, Semester 1

| CNP426/l Project Development | 6 | 2 |
| CNP430/l Current Issues | 6 | 2 |
| CNP433/l Project Management Law | 6 | 2 |

An elective unit selected from List A

#### Year 2, Semester 2

| CNP426/2 Project Development | 6 | 2 |
| CNP430/2 Current Issues | 6 | 2 |
| CNP433/2 Project Management Law | 6 | 2 |

An elective unit selected from List B

### List A: Semester 1 Elective Units

| CNP400 Management of Technology | 6 | 2 |
| CNP402 Principles of Valuation | 6 | 2 |
| CNP403 Property Maintenance & Asset Management | 6 | 2 |
| CNP417 Design Management | 6 | 2 |
| CNP439 Property Management | 6 | 2 |
List B: Semester 2 Elective Units
CNP404  Advanced Land Development 6 2
CNP422  Specialist Valuation 6 2
CNP667  Applied Computing 6 2

PROPERTY DEVELOPMENT MAJOR
Full-Time Course Structure

Year 1, Semester 1
CNP402  Principles of Valuation 6 2
CNP426/1 Project Development 6 2
CNP430/1 Current Issues 6 2
CNP431/1 Project Management 6 2
CNP433/1 Project Management Law 6 2
CNP437  Field Trip 6 4 days
CNP439  Property Management 6 2
Two electives selected from List C 12 4

Year 1, Semester 2
CNP426/2 Project Development 6 2
CNP430/2 Current Issues 6 2
CNP431/2 Project Management 6 2
CNP433/2 Project Management Law 6 2
CNP438  Real Estate Investment Analysis 6 2
Two electives selected from List D 12 4

Part-Time Course Structure

Year 1, Semester 1
CNP402  Principles of Valuation 6 2
CNP426/1 Project Development 6 2
CNP431/1 Project Management 6 2
CNP437  Field Trip 6 4 days
An elective unit selected from List C 6 2

Year 1, Semester 2
CNP426/2 Project Development 6 2
CNP431/2 Project Management 6 2
CNP438  Real Estate Investment Analysis 6 2

Year 2, Semester 1
CNP430/1 Current Issues 6 2
CNP433/1 Project Management Law 6 2
CNP439  Property Management 6 2
An elective unit selected from List C 6 2

Year 2, Semester 2
CNP430/2 Current Issues 6 2
CNP433/2 Project Management Law 6 2
Two electives selected from List D 12 4

List C: Semester 1 Elective Units
CNP400  Management of Technology 6 2
CNP403  Property Maintenance & Asset Management 6 2
CNP417  Design Management 6 2
CNP429  Cost Management & Economics 6 2
CNP434  Time Management 6 2

List D: Semester 2 Elective Units
CNP404  Advanced Land Development 6 2
CNP406  International Project Management 6 2
CNP422  Specialist Valuation 6 2
CNP667  Applied Computing 6 2
Graduate Diploma in Project Management (CN65) – Singapore

Location: Sumbershire Management Consultants Pte Ltd, Singapore

Aim
The course aims to provide professionals with a sound appreciation of the overall management processes involved in project and property development industries. Particular emphasis is given to the service role of project management in order to optimise the use of resources and to plan, control, deliver and coordinate all aspects of a project or a product which will meet clients’ requirement of function, cost, time and quality.

Course Outline
There are two specialist majors – Project Management and Property Development.
Coursework is divided into eight units under the following headings:
- Management – project, time and cost management
- Design – management of the design process
- Law – project management law
- Economics – real estate investment and economics, specialist valuations, feasibility
- Integrative studies – current issues, computer applications.

Identification of and solutions to practical problems are emphasised both in teaching and learning of these units. Students completing this course will have the opportunity to undertake research and obtain a Masters degree in project management.
For further information on the course, please contact Dr Jay Yang on (07) 3864 1028.

Graduate Diploma in Project Management (CN66) – Kuala Lumpur

Location: Amset (M) Sdn Bhd, Kuala Lumpur

Aim
The course aims to provide professionals with a sound appreciation of the overall management processes involved in project and property development industries. Particular emphasis is given to the service role of project management in order to optimise the use of resources and to plan, control, deliver and coordinate all aspects of a project or a product which will meet clients’ requirement of function, cost, time and quality.

Course Outline
There are two specialist majors – Project Management and Property Development.
Coursework is divided into eight units under the following headings:
- Management – project, time and cost management
- Design – management of the design process
- Law – project management law
- Economics – real estate investment and economics, specialist valuations, feasibility
- Integrative studies – current issues, computer applications.
Identification of and solutions to practical problems are emphasised both in teaching and learning of these units. Students completing this course will have the opportunity to undertake research and obtain a Masters degree in project management.

For further information on the course, please contact Dr Jay Yang on (07) 3864 1028.

Graduate Diploma in Surveying Practice (PS68)

Location: Gardens Point campus

Course Duration: 1 year full-time (34 weeks)

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: To be advised

Professional Recognition

Successful completion of the course leads to the licensing by the Surveyors Board of Queensland.

Entry Requirements

To be eligible for admission an applicant must hold the following:

(i) a Bachelor of Applied Science (Surveying) degree from the Queensland University of Technology, or

(ii) a Bachelor of Surveying degree from the University of Queensland, or

(iii) from another tertiary institution a degree acceptable to the Surveyors Board of Queensland and considered by the Head of the School of Planning, Landscape Architecture and Surveying to be at least equivalent to QUT’s Bachelor of Applied Science (Surveying) degree.

Applicants who do not meet the requirements for normal entry but who hold a tertiary qualification in a technological field or other equivalent qualification may be required to complete such prerequisite surveying and other units as may be determined by the Head of School prior to enrolment in the course.

Applicants for admission must have at least one year of practical experience in the practice of surveying following graduation, or its equivalent.

Course Structure

<table>
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<tr>
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<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tr>
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<tr>
<td>PSP311</td>
<td>Professional Practice Management</td>
<td>12</td>
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<td>PSP312</td>
<td>Survey Computing &amp; Processing</td>
<td>8</td>
<td>6</td>
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<td>PSP313</td>
<td>Survey Project Management</td>
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<td>PSP314</td>
<td>Boundary Definition Surveys 1</td>
<td>12</td>
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<td>PSP315</td>
<td>Property Development Surveys</td>
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<td>Semester 2</td>
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<tr>
<td>PSP321</td>
<td>Spatial Information Systems</td>
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<td>6</td>
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<td>PSP322</td>
<td>Engineering Surveying</td>
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<td>PSP323</td>
<td>Project Site Surveys</td>
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<td>PSP324</td>
<td>Boundary Definition Surveys 2</td>
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<td>PSP325</td>
<td>Property Management Surveys</td>
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Graduate Diploma in Urban and Regional Planning (PS72)

Location: Gardens Point campus

Course Duration: 3 semesters full-time or 6 semesters part-time

Total Credit Points: 144

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr John Minnery

Entry Requirements:
To be eligible for admission an applicant must:

(a) hold a degree or diploma from a recognised tertiary institution, or
(b) have attained professional recognition by an equivalent course of study or examination.

Note: Graduates from QUT’s Bachelor of Built Environment (Urban and Regional Planning) shall be credited with the first semester of full-time study or first two semesters of part-time study (Module A). Students from other backgrounds will be granted credit as appropriate to their education and experience.

Students who have completed units in the Graduate Diploma in Urban and Regional Planning before 1996 will be allowed credit for units in the new Graduate Diploma in Urban and Regional Planning, depending on their grade point average, the length of time which has elapsed since completion, and recent experience. Each case will be treated on its individual merits and will be decided by the Head of School in consultation with the student concerned and staff.

Full-Time Course Structure

The program is being offered with entry at the start of the year, and from 1997 also through a mid-year (second semester) entry. Students must complete three modules to complete the Graduate Diploma. Each module is worth 48 credit points, equivalent to one semester full-time or two semesters part-time. Modules may be offered in either first or second semester.

Module A

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
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<td>PSP501</td>
<td>Environmental Planning &amp; Assessment</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSP502</td>
<td>Economic &amp; Social Foundations of Planning</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP503</td>
<td>Planning &amp; Research Methods</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP504</td>
<td>Urban Systems &amp; Infrastructure</td>
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<td>3</td>
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Module B

<table>
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<td>Planning in Society</td>
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<td>PSP506</td>
<td>Planning Theory &amp; Ethics</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSP507</td>
<td>Planning Procedures &amp; Law</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSP508</td>
<td>Planning Practice I</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSP513</td>
<td>Field Trip¹³</td>
<td>0</td>
<td>1 week</td>
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Module C

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<tbody>
<tr>
<td>PSP509</td>
<td>Regional &amp; Metropolitan Policy</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSP510</td>
<td>Specialisation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSN211</td>
<td>Research Project I &amp; Advanced Research Methods</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSP512</td>
<td>Planning Practice II</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP513</td>
<td>Field Trip¹⁵</td>
<td>0</td>
<td>1 week</td>
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</table>

¹³ Alternative module locations for a single week-long field trip.
Part-Time Course Structure

Module A1
PSP501 Environmental Planning & Assessment 12 3
PSP503 Planning & Research Methods 12 3

Module A2
PSP504 Urban Systems & Infrastructure 12 3
PSP502 Economic & Social Foundations of Planning 12 3

Module B1
PSP505 Planning in Society 12 3
PSP506 Planning Theory & Ethics 12 3

Module B2
PSP507 Planning Procedures & Law 12 3
PSP508 Planning Practice I 12 3
PSP513 Field Trip 16 0 1 week

Module C1
PSP509 Regional & Metropolitan Policy 12 3
PSP512 Planning Practice I 12 3

Module C2
PSP510 Specialisation 12 3
PSP211 Research Project I & Advanced Research Methods 12 3
PSP513 Field Trip 16 0 1 week

Note: PSP510 Specialisation offers specialisations in local and regional development, urban housing and community development, urban design and environmental and resource planning. Other special topics may be offered depending on staff availability.

■ Graduate Diploma in Urban Design (PS69)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: To be advised

Entry Requirements
To be eligible for admission an applicant must hold a Bachelor degree with a grade point average of 5.0 or better and demonstrated potential in a relevant professional activity, or a relevant graduate diploma with a grade point average of 5.0 or better, or a qualifying program with a grade point average of 5.0 or better.

Applicants are considered initially for acceptance in the Graduate Diploma in Urban Design. At the completion of one semester for full-time students and two semesters for those studying part-time, students will be considered for enrolment in the Master of Built Environment (Urban Design). A grade point average of 5.0 or better in the course is normally required for progression to the Masters level.

Course Requirements
Students must complete a minimum of 48 credit points per semester in the full-time course and a minimum of 24 credit points per semester in the part-time course.

16 Alternative module locations for a single week-long field trip.
### Full-Time Course Structure

#### Semester 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>IFN001</td>
<td>Advanced Information Retrieval Skills</td>
<td>4</td>
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<tr>
<td>PSN004</td>
<td>Applied Research Techniques</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>PSP401</td>
<td>Urban Design Analysis Studio</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP403</td>
<td>Urban Design Conjecture Studio</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP421</td>
<td>History of Urban Systems</td>
<td>4</td>
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</tr>
<tr>
<td>PSP424</td>
<td>Urban Design Theory &amp; Criticism</td>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

Plus any of the following totalling at least 8 credit points:

- CNP439 Property Management                              | 6             | 2              |
- PSP411 Environmental Psychology                         | 4             | 2              |
- PSP416 Computer-aided Data Analysis                     | 2             | 1              |
- PSP442 Law & Legislation in Urban Design                | 4             | 1              |

#### Semester 2

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>PSP402</td>
<td>Urban Design Context Studio</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP405</td>
<td>Urban Design Field Studies</td>
<td>4</td>
<td>10 days</td>
</tr>
</tbody>
</table>

Plus any of the following totalling at least 32 credit points:

- PSN002 Concentration Studies A                          | 4             | 1              |
- PSN003 Concentration Studies B                           | 8             | 2              |
- PSP011 Conservation Theory                              | 3             | 1              |
- PSP432 Urban Landscape                                  | 4             | 1              |
- PSP434 Urban Services & Functions                        | 4             | 1              |
- PSP441 Computer Applications in Urban Design             | 4             | 1              |

### Part-Time Course Structure

#### Year 1, Semester 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFN001</td>
<td>Advanced Information Retrieval Skills</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>PSP401</td>
<td>Urban Design Analysis Studio</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP421</td>
<td>History of Urban Systems</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>PSP424</td>
<td>Urban Design Theory &amp; Criticism</td>
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<td>1</td>
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#### Year 1, Semester 2

<table>
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<th>Course Description</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>PSP402</td>
<td>Urban Design Context Studio</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP405</td>
<td>Urban Design Field Studies</td>
<td>4</td>
<td>10 days</td>
</tr>
</tbody>
</table>

Plus any of the following totalling at least 8 credit points:

- PSP011 Conservation Theory                              | 3             | 1              |
- PSP416 Computer Aided Data Analysis                     | 2             | 1              |
- PSP432 Urban Landscape                                  | 4             | 1              |
- PSP434 Urban Services & Functions                        | 4             | 1              |
- PSP441 Computer Applications in Urban Design             | 4             | 1              |

#### Year 2, Semester 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>PSP403</td>
<td>Urban Design Conjecture Studio</td>
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<td>3</td>
</tr>
<tr>
<td>PSN004</td>
<td>Applied Research Techniques</td>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

Plus any of the following totalling a minimum of 8 credit points:

- CNP439 Property Management                              | 6             | 2              |
- PSP411 Environmental Psychology                         | 4             | 2              |
- PSP416 Computer-aided Data Analysis                     | 2             | 1              |
- PSP442 Law & Legislation in Urban Design                | 4             | 1              |

#### Year 2, Semester 2

Any of the following totalling at least 24 credit points:

- PSN002 Concentration Studies A                          | 4             | 1              |
- PSN003 Concentration Studies B                           | 8             | 2              |
- PSP432 Urban Landscape                                  | 4             | 1              |
- PSP434 Urban Services & Functions                        | 4             | 1              |
- PSP441 Computer Applications in Urban Design             | 4             | 1              |

Elective Units
Graduate Certificate in Electricity Supply Engineering (EE82)

**Location:** Gardens Point campus

**Course Duration:** 1 year full-time, 2 years part-time

**Total Credit Points:** 48

**Standard Credit Points/Full-Time Semester:** 48

**Tuition Fees (Domestic Students):** $142 per credit point for day/evening classes (fees for short-courses and resource-based learning units available on application to School of Electrical and Electronic Systems Engineering)

**Course Coordinator:** Mr David Birtwhistle

**Entry requirements**

A Bachelor degree in Electrical Engineering with a study of power subjects to third year level.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>12 Units (selected from List 1)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>48</td>
<td>12</td>
</tr>
</tbody>
</table>

### Part-Time course structure

**Year 1, Semester 1**

<table>
<thead>
<tr>
<th>6 Units (selected from List 1)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24</td>
<td>6</td>
</tr>
</tbody>
</table>

**Year 1, Semester 2**

<table>
<thead>
<tr>
<th>6 Units (selected from List 1)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>24</td>
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</tr>
</tbody>
</table>

### List 1: Units

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Weeks</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEP201</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP202</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP204</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP213</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP240</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP203</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP205</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP208</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP210</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP247</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP206</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP209</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP218</td>
<td>11-15</td>
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<td>EEP219</td>
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</tr>
<tr>
<td>EEP243</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>

### Semester 2

| EEP207     | 1-5   | 4             | 3              |
| EEP211     | 1-5   | 4             | 3              |
Units available as Resource-based Learning (i.e. Distance Education) with flexible enrolment:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Hours of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEP202</td>
<td>Thermal Ratings &amp; Heat Transfer</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP208</td>
<td>Economic Analysis for Power System Engineers</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP209</td>
<td>Power System Harmonics</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP210</td>
<td>Abnormal System Voltages</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP211</td>
<td>Basic Power System Protection</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP212</td>
<td>Advanced Power System Protection</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP213</td>
<td>Statistics</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP214</td>
<td>Risk Management in the Electricity Supply Industry</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP215</td>
<td>Reliability</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP217</td>
<td>Overhead Line Design – Mechanical</td>
<td>4</td>
<td>45</td>
</tr>
</tbody>
</table>

Units in this course have been accepted by industry as approved training modules.

Credit points may be accumulated towards this award from day/evening classes (3 hours per week x 5 weeks), flexible enrolment in Resource-based Learning (i.e. Distance Education) units or from studies taken as short-courses (conducted in June/July and November/December). Further information on units available as Resource-based Learning or short-courses can be obtained by contacting the School of Electrical and Electronic Systems Engineering on (07) 3864 1632.

### Graduate Certificate in Engineering Management (ME75)

**Location:** Gardens Point campus  
**Course Duration:** 1 semester full-time, 1 year part-time  
**Total Credit Points:** 48  
**Standard Credit Points/Full-Time Semester:** 48  
**Tuition Fees (Domestic Students):** $50 per credit point  
**Course Coordinator:** Dr Elias Siores

**Entry Requirements**

(i) a Bachelors degree in Engineering (or its equivalent), or  
(ii) relevant training or experience considered by the Course Coordinator as appropriate for entry to the course.

**Note:** Course offered subject to final University approval.
Course Requirements
Students will take four of the following units. All units are offered in the Master of Engineering Science (Engineering Management) (ME76) or the Graduate Diploma in Quality (IF69). The course may be taken full-time, part-time, part-time (block release) or by a combination of these modes.

Full-Time/Part-Time Course Structure

Select four units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEN140</td>
<td>Quality &amp; Reliability Engineering</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN170</td>
<td>Systems Modelling &amp; Simulation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN171</td>
<td>Advanced Manufacturing Technologies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN240</td>
<td>Maintenance Management &amp; Technology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN270</td>
<td>Manufacturing Resource Planning</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN280</td>
<td>Engineering Project Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEP274</td>
<td>Quality Systems Implementation and Maintenance</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Graduate Certificate in Project Development (CN81)

With specialisations in: Construction Management, Project Management, Property Development, and Property Economics.

Similar courses are offered in Singapore (CN82) and Kuala Lumpur (CN83).

Location: Gardens Point campus

Course Duration: 1 year part-time

Total Credit Points: 48

Standard Credit Points/Part-Time Semester: 24

Tuition Fees (Domestic Students): $80 per credit point

Course Coordinator: To be advised

Entry requirements

NORMAL ENTRY
An applicant must:

(i) hold an approved degree or diploma from a recognised university, college of advanced education or approved tertiary institution, or

(ii) hold degree-equivalent professional qualifications, and

(iii) normally have at least three years’ relevant experience after graduation.

SPECIAL ENTRY
An applicant must:

(i) have extensive, relevant, professional experience as determined by the Course Coordinator

(ii) for the specialisations in Project Management and Property Development, have a minimum of three years’ relevant experience after graduation.

Course Structure

No exemptions are permitted. If a unit has been studied previously then an alternative should be selected.

If students have opted for the majors in Project Management or Property Development, after the successful completion of the graduate certificate, they may, on achieving a grade point average of 5.0 or better and gaining admission to the Graduate Diploma in Project Management, complete a further 48 credit points in the same discipline with the guidance...
and approval of the Course Coordinator and be granted the Graduate Diploma in that discipline.

It should be noted that some units are available in concentrated format over a period of one, two or three days rather than in the standard format of two hours per week for one or two semesters. These will be run only if there is sufficient demand and will be self-funding from fees charged.

It is strongly recommended that all graduate certificate students complete the unit IFN001 Advanced Information Retrieval Skills prior to commencing the course or early in Semester 1. The credit point value of this unit is not included in the total credit points which must be completed to be awarded a graduate certificate.

School electives are offered subject to an appropriate enrolment in each semester.

CONSTRUCTION MANAGEMENT MAJOR
Students must complete a total of 48 credit points from the following units:

<table>
<thead>
<tr>
<th>Semester 1</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CNB601</td>
<td>Formwork Design &amp; Construction</td>
<td>4</td>
</tr>
<tr>
<td>CNP426/1</td>
<td>Project Development</td>
<td>6</td>
</tr>
<tr>
<td>CNP429</td>
<td>Cost Management &amp; Economics</td>
<td>6</td>
</tr>
<tr>
<td>CNP431/1</td>
<td>Project Management</td>
<td>6</td>
</tr>
<tr>
<td>CNP433/1</td>
<td>Project Management Law</td>
<td>6</td>
</tr>
<tr>
<td>CNP434</td>
<td>Time Management</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP406</td>
<td>International Project Management</td>
<td>6</td>
</tr>
<tr>
<td>CNP426/2</td>
<td>Project Development</td>
<td>6</td>
</tr>
<tr>
<td>CNP431/2</td>
<td>Project Management</td>
<td>6</td>
</tr>
<tr>
<td>CNP433/2</td>
<td>Project Management Law</td>
<td>6</td>
</tr>
<tr>
<td>CNP667</td>
<td>Applied Computing</td>
<td>6</td>
</tr>
</tbody>
</table>

Electives available in the Graduate Diploma in Project Management (CN64) or in advanced units in CN41 may also be undertaken with the prior approval of the Course Coordinator.

PROJECT MANAGEMENT MAJOR
Students must complete a total of 48 credit points from the following units:

<table>
<thead>
<tr>
<th>Semester 1</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP426/1</td>
<td>Project Development</td>
<td>6</td>
</tr>
<tr>
<td>CNP429</td>
<td>Cost Management &amp; Economics</td>
<td>6</td>
</tr>
<tr>
<td>CNP430/1</td>
<td>Current Issues</td>
<td>6</td>
</tr>
<tr>
<td>CNP431/1</td>
<td>Project Management</td>
<td>6</td>
</tr>
<tr>
<td>CNP433/1</td>
<td>Project Management Law</td>
<td>6</td>
</tr>
<tr>
<td>CNP434</td>
<td>Time Management</td>
<td>6</td>
</tr>
<tr>
<td>CNP437</td>
<td>Field Trip</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP406</td>
<td>International Project Management</td>
<td>6</td>
</tr>
<tr>
<td>CNP426/2</td>
<td>Project Development</td>
<td>6</td>
</tr>
<tr>
<td>CNP430/2</td>
<td>Current Issues</td>
<td>6</td>
</tr>
<tr>
<td>CNP431/2</td>
<td>Project Management</td>
<td>6</td>
</tr>
<tr>
<td>CNP433/2</td>
<td>Project Management Law</td>
<td>6</td>
</tr>
</tbody>
</table>

Electives available in the Graduate Diploma in Project Management (CN64) - Project Management major - may also be undertaken with the prior approval of the Course Coordinator.

PROPERTY DEVELOPMENT MAJOR
Students must complete a total of 48 credit points from the following units:

<table>
<thead>
<tr>
<th>Semester 1</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP402</td>
<td>Principles of Valuation</td>
<td>6</td>
</tr>
<tr>
<td>CNP426/1</td>
<td>Project Development</td>
<td>6</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credit Points</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>CNP430/1</td>
<td>Current Issues</td>
<td>6</td>
</tr>
<tr>
<td>CNP431/1</td>
<td>Project Management</td>
<td>6</td>
</tr>
<tr>
<td>CNP433/1</td>
<td>Project Management Law</td>
<td>6</td>
</tr>
<tr>
<td>CNP434</td>
<td>Time Management</td>
<td>6</td>
</tr>
<tr>
<td>CNP437</td>
<td>Field Trip</td>
<td>6</td>
</tr>
<tr>
<td>CNP439</td>
<td>Property Management</td>
<td>6</td>
</tr>
</tbody>
</table>

**Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP426/2</td>
<td>Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/2</td>
<td>Current Issues</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP431/2</td>
<td>Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP433/2</td>
<td>Project Management Law</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP432</td>
<td>Real Estate Investment Analysis</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

Electives available in the Graduate Diploma in Project Management (CN64) – Property Development major – may also be undertaken with the prior approval of the Course Coordinator.

**PROPERTY ECONOMICS MAJOR**

Students must complete a total of 48 credit points from the following units:

**Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNB568</td>
<td>Real Estate Practice</td>
<td>5</td>
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</tr>
<tr>
<td>CNP402</td>
<td>Principles of Valuation</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP403</td>
<td>Property Maintenance &amp; Asset Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP426/1</td>
<td>Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/1</td>
<td>Current Issues</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP431/1</td>
<td>Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP439</td>
<td>Property Management</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

**Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNB471</td>
<td>Property Practice Law</td>
<td>8</td>
<td>2.5</td>
</tr>
<tr>
<td>CNB472</td>
<td>Property Taxation Issues</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>CNB564</td>
<td>Valuation 7</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CNB626</td>
<td>Land Development Studies</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>CNP422</td>
<td>Specialist Valuation</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP426/2</td>
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<td>Current Issues</td>
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<td>2</td>
</tr>
<tr>
<td>CNP431/2</td>
<td>Project Management</td>
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<td>2</td>
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<tr>
<td>CNP438</td>
<td>Real Estate Investment Analysis</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

Electives available in the Graduate Diploma in Project Management (CN64) – Property Development major – may also be undertaken with the prior approval of the Course Coordinator.

**Note:** A Graduate Certificate in Project Development with no major can also be taken by enrolling in 48 credit points from the following list:

**Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNB601</td>
<td>Formwork Design &amp; Construction</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>CNP402</td>
<td>Principles of Valuation</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP426/1</td>
<td>Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP429</td>
<td>Cost Management &amp; Economics</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/1</td>
<td>Current Issues</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP431/1</td>
<td>Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP433/1</td>
<td>Project Management Law</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP434</td>
<td>Time Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP437</td>
<td>Field Trip</td>
<td>6</td>
<td>4 days</td>
</tr>
<tr>
<td>CNP439</td>
<td>Property Management</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

**Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNB471</td>
<td>Property Practice Law</td>
<td>8</td>
<td>2.5</td>
</tr>
<tr>
<td>CNB472</td>
<td>Property Taxation Issues</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>CNB564</td>
<td>Valuation 7</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CNB626</td>
<td>Land Development Studies</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>
Electives available in the Graduate Diploma in Project Management (CN64) or other units in the University may also be undertaken with the prior approval of the Course Coordinator, in order that the specific needs of individual students are met.

■ Graduate Certificate in Project Development (CN82) – Singapore

Location: Sumbershire Management Consultants Pte Ltd, Singapore

Aim
This course aims to broaden formal education and help professionals develop expertise in their chosen career paths. Students choose their own major of study to complement their continuing professional education program with an emphasis on management aspects.

Course Outline
Majors are offered in the following areas:
- Project management
- Property development
- Property economics
- Construction management
- Generic course (no specific major).

Identification of and solutions to practical problems are emphasised both in the teaching and learning process. Students completing this course with a grade point average of 5 or better will gain admission to the Graduate Diploma Course in Project Management.

For further information on this course, please contact Dr Jay Yang on (07) 3864 1028.

■ Graduate Certificate in Project Development (CN83) – Kuala Lumpur

Location: Amset (M) Sdn Bhd, Kuala Lumpur

Aim
This course aims to broaden formal education and help professionals develop expertise in their chosen career paths. Students choose their own major of study to complement their continuing professional education program with an emphasis on management aspects.

Course Outline
Majors are offered in the following areas:
- Project management
- Property development
- Property economics
- Construction management
- Generic course (no specific major).

Identification of and solutions to practical problems are emphasised both in the teaching and learning process. Students completing this course with a grade point average of 5 or better will gain admission to the Graduate Diploma Course in Project Management.

For further information on this course, please contact Dr Jay Yang on (07) 3864 1028.

- Course Requirements and Notes Relating to Undergraduate Courses

Course Progression
It is important that students follow as normal a progression through their courses as possible. Units should be taken in an orderly sequence as set out in published course structures. Units failed should be picked up in the next semester that they are offered. Prerequisite units must normally be passed before a student may proceed to a further unit which has the prerequisite so specified. The Course Coordinator should be consulted regarding variations from the course structure. This is considered to be a major concession. Students who have failed units, or have doubts about having the necessary background to proceed, should seek the advice of the Course Coordinator.

Summer School (Mid-year Entry Courses)
The objective of running a Summer School for mid-year entry students is to provide an accelerated program which enables students to complete their courses in 3.5 years. Students resume a standard program from the third year. The Summer School is necessary in order for mid-year entry students to complete their courses in minimum time. If studies are not undertaken during the Summer School period, completion in minimum time is not possible.

Awards with Honours
Honours may be awarded to graduands of the Bachelor of Architecture, the four-year single degree and five-year double degree Bachelor of Engineering and Surveying courses, and the four-year Bachelor of Applied Science courses in Construction Management and Quantity Surveying. First class Honours, second class Honours division A and second class Honours division B may be awarded. Candidates for a degree with Honours must fulfil the requirements for a pass degree and achieve a standard of proficiency in all course units as may from time to time be determined by the Faculty academic board and approved by Academic Committee.

- Eligibility for Honours
Eligibility for awards with Honours is not affected by the time taken to complete a course. However, to be eligible for such an award, a graduand must have completed the course within the maximum number of calendar years specified in the policy on time limits for completion of courses, Student Rule 1.19 in the QUT Handbook. Three- and four-year (full-time) courses must be completed in ten years. Combined degree courses must be completed in eleven years. Time limits are measured in calendar years from the first day of the first semester in which the student was enrolled and include periods of interruption such as leave of absence. In addition, to be eligible for an award with Honours, a graduand must have been enrolled in the course at QUT for at least two years of full-time study or its equivalent.

- Honours Based on Grade Point Average
The Built Environment and Engineering Academic Board has resolved that awards with Honours for students graduating post-1992 will be based on grades achieved by students throughout the whole of their course as determined by the Grade Point Average calculation.
Units for which a student was awarded an exemption and units for which an ungraded pass or fail result is given are not included in the calculation.

Students obtaining a GPA of 6.0 or greater will normally qualify for the award of first class Honours. Students obtaining a GPA of 5.5 to 5.99 will normally qualify for the award of second class Honours division A. Students obtaining a GPA of 5.0 to 5.49 will normally qualify for the award of second class Honours division B.

The Faculty Academic Board will be reviewing the policy on Awards with Honours during 1996. Any amendments to policy will not disadvantage students.

**Dean’s List**

Each semester, the Faculty of Built Environment and Engineering will publish a Dean’s list comprising names of students achieving a GPA (grade point average) of 6.5 or better. The list will be widely circulated within the Faculty and Schools, posted on notice boards and published in the Faculty Newsletter.

**Supplementary Assessment**

It is not normally Faculty policy to grant supplementary examinations. However, at the discretion of the Dean of the Faculty, supplementary or further assessment may be permitted in cases where a student is near to the completion of their course.

In such cases it is normal policy to award an ‘A’ (Result Unfinalised) and to give the student further assessment. Following satisfactory completion of this further assessment the highest grade which may normally be awarded is a grade of 3 (Pass Conceded).

**Use of Calculators in Examinations**

Restrictions apply on the use of calculators in examinations. Students should consult the first year information booklets for details of the policies of individual schools.

**Field Trips**

Attendance at field trips or field projects in engineering courses is compulsory.

**School of Civil Engineering Safety Shoes Policy**

Students enrolled in units specified by the School of Civil Engineering will be required to wear safety shoes for some laboratory practicals and/or field trips. Students not wearing appropriate safety shoes on these occasions will be barred from (i) participating in activities in these units, and (ii) submitting any assessment associated with these activities. Hard hats and safety glasses/goggles will be supplied by the School of Civil Engineering as required.

**Industrial Experience for Engineering and Surveying Courses**

Industrial experience/practice forms part of the requirements of engineering and surveying degree courses, in order to provide a realistic background for formal academic studies and to ensure that students become effectively balanced in their professional development. For engineering students, it is a requirement of the Institution of Engineers, Australia, for graduate membership. Industrial experience/practice is undertaken during the long vacation or the mid-semester recess as an employee of a private firm, government agency or local authority.

Candidates must, not later than the fourth week of semester immediately following each period of industrial experience/practice, submit to the Course Coordinator (through the Faculty Office) a report in the required format describing the work carried out during the period of industrial experience/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the Faculty Industrial Experience Officer in Room 1006, ITE Building, Gardens Point campus.
A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial experience/practice in an engineering environment approved by the Course Coordinator.

A candidate for the degree of Bachelor of Applied Science (Surveying) must obtain at least 90 days of industrial experience/practice in a surveying environment approved by the Course Coordinator.

Candidates in the Bachelor of Engineering (Aerospace Avionics) degree are required to obtain 10 days' specialist experience in the avionics industry during the first year of their course. This is in addition to the 60 days' industrial experience/practice requirement.

A candidate for an Associate Diploma of Engineering should refer to the relevant course structure for specific industrial experience/practice requirements for these courses.

ENROLMENT IN INDUSTRIAL EMPLOYMENT/PRACTICE
Students in the Bachelor of Applied Science (Surveying) and Bachelor of Engineering courses should not formally enrol in industrial experience/practice. However, students in Associate Diploma of Engineering courses must enrol in industrial experience units as these units carry credit points. For these students, the enrolment must be in the semester in which students expect to submit an Industrial Experience Record Form which will fulfil the minimum requirement of 15 weeks for the unit.

Industrial Experience for the Bachelor of Architecture Course (AR48)
A candidate for the Bachelor of Architecture degree must be engaged in approved employment for at least 48 recognised weeks within the first three years (Approved Employment A), and for at least 72 recognised weeks within the second three years (Approved Employment B).

- **Approved Employment**
  ‘Approved employment’ is defined as working under the direction of an architect who is registered within the place of practice where the experience is obtained.

- **Eight Weeks at a Time**
  Periods of work experience of less than eight recognised weeks’ continuous duration cannot be accredited.

- **Recognised Week**
  A ‘recognised week’ is a week of five days’ work. During semester, when students normally work for four days per week, the 18 week semester (14 weeks in class and four weeks in examination), translates to 14.4 ‘recognised weeks’. This figure is rounded off to 14 weeks to take into account of public holidays. Students in continuous concurrent employment would normally accumulate 40 recognised weeks in a calendar year. (A three-day working week constitutes three-fifths of a recognised week. A six day working week constitutes sixth-fifths of a recognised week.

  All reference to a ‘week’ hereinafter shall mean a ‘recognised week’.

- **Years 1 and 2 Commencement**
  Candidates who are admitted into the course at the beginning of Years 1 and 2 must satisfy all of Approved Employment A & B requirements.

- **Year 3 Commencement**
  Candidates who are admitted into the course at the beginning of Year 3 must complete 24 weeks in Approved Employment A and all Approved Employment B requirements.

- **After Year 3 Commencement**
  Candidates who are admitted directly into the course after the end of the third year must satisfy Approved Employment B only.
Prerequisite
Approved Employment A is normally a pre-requisite for Approved Employment B.

Allied Experience During the Course
Candidates may accumulate up to 12 weeks maximum in Approved Employment A and up to 18 weeks maximum in Approved Employment B for experience gained prior or during the course in approved allied areas to architecture. (Commonly approved allied areas: Civil Engineering, Interior Design, Industrial Design, Quantity Surveying, Construction Management, Town Planning, Landscape Architecture, Building.)

Experience Prior to Commencement
Candidates may accumulate a maximum of 24 weeks in Approved Employment A and a maximum of 36 weeks in Approved Employment B for satisfactory approved experience under the direction of an architect prior to enrolment in the course and these maximum periods can include:
- satisfactory approved experience gained prior to enrolment in the course in approved allied areas of architecture (provided the total period claimed for experience in approved allied areas does not exceed the maximum periods set for that experience in Approved Employment A & B).

Experience During Leave of Absence
Candidates may accumulate up to 24 weeks in Approved Employment A and 36 week in Approved Employment B during periods of approved leave of absence from formal classes. This may be in a period during the course or after completion of the academic course requirements.

Report Each Semester
Semester update reports on progress are required at the end of each semester and examination results may not be issued until they are submitted.

Report Form Employment A
QUT School of Architecture, Interior & Industrial Design Approved Employment report forms must be completed and lodged for Approved Employment A.

Report Log for Employment B
The AACA log book of practical experience and university report forms must be completed and lodged to QUT for Approved Employment B.

Satisfactory Employment for Course Progression and Graduation
For administrative purposes, candidates must enrol in Approved Employment A in the second semester of third year and then cannot proceed to fourth year until this unit of employment is satisfied, unless a special dispensation is granted. Candidates must enrol in Approved Employment B in the second semester of sixth year and will not be eligible to graduate until this unit of employment is satisfied. In both cases the accumulated credit, as recorded through the semester reports, will form the basis for accrediting work experience.

Credited Employment Counts Once
Employment which has been approved or credited in Employment A cannot be considered for further approval or credit in Employment B.

Full-time Students in Final Two Years
For candidates proposing to study the final 192 credit points in the course in two years full-time:
(a) Candidates (including those who had previously been studying full time) must have achieved a minimum of 36 weeks accredited to Approved Employment B, before commencing Year 4.
(b) Candidates who had previously been studying part-time, and who have satisfied Approved Employment A, may apply in Approved Employment B for credit of a maximum of 36 weeks of work experience accrued in the first three years which is in addition to that credited to Approved Employment A.

□ Types of Experience
Type of experience required:
(a) Approved Employment A – at least 50 per cent of time in undertaking design and/or documentation.

(b) Approved Employment B –
   (i) 50 per cent of time in design stages and contract documentation (AACA item 4.3 and 4.5)
   (ii) Preliminary site investigation and evaluation of at least one project (AACA item 4.2.4)
   (iii) Project Management /Contract Administration of at least one project at ‘observer’ status where direct experience is unavailable (AACA items 4.7.19, 4.7.20, 4.7.21 and 4.7.22)

■ Bachelor of Applied Science (Construction Management) (CN41)
See course requirements and notes relating to undergraduate courses.

Location: Gardens Point campus

Course Duration: 3 years full-time plus 1 year part-time, or 6 years part-time

Total Credit Points: 384

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Gary Thomas

Professional Recognition
Completion of the Bachelor of Applied Science (Construction Management) together with the related experience requirements enables a graduate to be eligible for membership of the Australian Institute of Building.

Special Course Requirements
Students are required to pass the examination segment of each unit to pass that unit.

A student registered in the part-time study program must be employed full-time by an approved building organisation or other approved body, ideally during the whole of their study, but as a minimum for three of the final four years of the course.

A student registered in the full-time study program must be similarly employed during the final year part-time segment of the course.

Part-time study generally involves 11 to 13 hours per week and comprises a full-day release from employment with the remaining time spread over two nights between 5.00 pm and 9.30 pm.

Units are offered only once each year. This means that full-time students are required to attend part of their program in the evening. All students must become familiar with and comply with the School’s enrolment rules.
<table>
<thead>
<tr>
<th>Year, Semester</th>
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<th>Course Name</th>
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### Part-Time Course Structure

**Year 1, Semester 1**
- CNB119 Construction 1: 12 credits, 6 ECTS
- CNB113 Building Technology 1: 8 credits, 4 ECTS
- COB165 Professional Writing/Learning at University: 8 credits, 2.5 ECTS

**Year 1, Semester 2**
- CNB112 Construction 2: 12 credits, 5 ECTS
- CNB114 Building Technology 2: 8 credits, 4 ECTS
- MAB299 Mathematics for Technologists: 6 credits, 3 ECTS

**Year 2, Semester 1**
- CNB211 Construction 3: 12 credits, 4 ECTS
- CNB213 Building Technology 3: 6 credits, 4 ECTS
- CNB221 Building Legislation: 6 credits, 4 ECTS

**Year 2, Semester 2**
- CNB116 Measurement 1: 6 credits, 3 ECTS
- CNB118 Building Services 1: 6 credits, 2 ECTS
- CNB212 Construction 4: 9 credits, 5 ECTS
- ISB170 Introduction to Computing: 6 credits, 2 ECTS

**Year 3, Semester 1**
- CNB121 Professional Studies A: 8 credits, 3 ECTS
- CNB215 Measurement 2: 6 credits, 3 ECTS
- CNB223 Applied Computing 1: 6 credits, 2 ECTS
- CNB311 Construction 5: 9 credits, 5 ECTS

**Year 3, Semester 2**
- CNB216 Measurement 3: 6 credits, 3 ECTS
- CNB218 Building Services 3: 6 credits, 3 ECTS
- CNB222 Estimating 1: 6 credits, 2 ECTS
- CNB226 Torts & Contract Law: 6 credits, 3 ECTS

**Year 4, Semester 1**
- CNB217 Building Services 2: 6 credits, 3 ECTS
- CNB219 Economics of the Construction Industry: 6 credits, 2 ECTS
- CNB323 Estimating 2: 6 credits, 2 ECTS
- CNB329 Building Contracts/Arbitration Law: 6 credits, 3 ECTS

**Year 4, Semester 2**
- CNB220 Construction Management 1: 6 credits, 2 ECTS
- CNB316 Valuations & Investment Theory: 6 credits, 3 ECTS
- CNB322 Construction Management Case Study: 6 credits, 3 ECTS
- PSB910 Construction Surveying: 8 credits, 4 ECTS

**Year 5, Semester 1**
- CNB313 Time Management 1: 9 credits, 4 ECTS
- CNB315 Construction Business Management: 6 credits, 3 ECTS
- CNB317 Construction Management 2: 6 credits, 3 ECTS
- CNB325 Building Economics: 6 credits, 2 ECTS

**Year 5, Semester 2**
- CNB318 Commercial Law: 6 credits, 2 ECTS
- CNB326 Time Management 2: 8 credits, 4 ECTS
- CNB328 Construction Management 3: 8 credits, 3 ECTS
- CNB330 Applied Computing 2: 6 credits, 3 ECTS

**Year 6, Semester 1**
- CNB411 Development Process 1: 9 credits, 3 ECTS
- CNB417 Research Project 1: 12 credits, 4 ECTS
- CNB419 Applied Computing 3: 9 credits, 3 ECTS
- CNB431 Elective 1: 9 credits, 3 ECTS

**Year 6, Semester 2**
- CNB412 Development Process 2: 6 credits, 2 ECTS
- CNB416 Construction Management 4: 12 credits, 4 ECTS
A student registered in the part-time study program must be in approved full-time employment for three of the final four years of the course.

Part-time students should endeavour to complete their Professional Practice units in years 4 & 5 when they are to enrol and satisfy the requirements of the following units:

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**Bachelor of Applied Science (Construction Management) (CN31)**

See course requirements and notes relating to undergraduate courses.

**Course discontinued:** No further intakes. This course has been replaced by the Bachelor of Applied Science (Construction Management) (CN41). Years 3 to 4 are offered to continuing students only.

**Location:** Gardens Point campus

**Course Duration:** 6 years part-time, 2 years full-time plus 2 years part-time

**Total Credit Points:** 287

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Mr Gary Thomas

**Professional Recognition**

Completion of the Bachelor of Applied Science (Construction Management) together with the related experience requirements enables a graduate to be eligible for membership of the Australian Institute of Building.

**Special Course Requirements**

Students are required to pass the examination segment of each unit to pass that unit.

A student registered in the part-time study program must be employed full-time by an approved building organisation or other approved body, for three of the final four years of the course. A student registered in the full-time study program must be similarly employed during the final two years part-time segment of the course.

Part-time study generally involves 11 to 12 hours per week and comprises a half-day release from employment with the remaining time spread over two or three nights between 5.00 pm and 9.30 pm. For the first four years of the part-time course a whole day release from employment is required.

Units are offered only once each year. This means that full-time students are required to attend part of their program in the evening. All students must become familiar with and comply with the School’s enrolment rules.

**Full-Time Course Structure**

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<thead>
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<th>Credit Points</th>
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<td>CNB341</td>
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<tr>
<td>CNB444</td>
<td>Mechanical &amp; Electrical Estimating OR Elective</td>
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</table>
CNB527  PM2 – Quantitative Techniques 3  3  1.5
CNB540  Estimating 2  5  2.5
CNB545  PM3 – Construction Planning Techniques 1  7  3.5
CNB501  Building Management 3  4  2

Year 3, Semester 2
CNB301  PM1 – Advanced Construction Methods  4  2
CNB502  Building Management 4  4  2
CNB543  Law 4 – Torts & Arbitration  3  1.5
CNB548  PM4 – Construction Planning Techniques 2  8  4
CNB550  PM5 – Project Cost Control  6  3

Year 4, Semester 1
CEB701  Civil Engineering Quantities 1 OR Elective  4  2
CNB623  PM6 – Building Development Techniques 1  4  2
CNB642  Applied Computer Techniques  6  2
CNB656/1  Building Research  8  4
CNB603  Building Management 5  4  2

Year 4, Semester 2
CNB401  Building Economics & Cost Planning  4  2
CNB606  PM8 – Land Development Studies  4  2
CNB624  PM7 – Building Development Techniques 2  4  2
CNB643  Law 5 – Commercial Law OR Elective  3  1.5
CNB656/2  Building Research  10  5

Elective units
Electives may be taken from any other course offered by the University in consultation with the Course Coordinator.

Part-Time Course Structure

Year 3, Semester 1
CNB009  Measurement of Construction 3  4  2
CNB013  Building Services 1 – HVAC  4  2
CNB341  Building & Civil Engineering Construction  4  2
CNB342  Law 2 – Principles & Property  3  1.5
SSB908  Behavioural Science  6  3
PSB904  Surveying & Measuring  4  2

Year 3, Semester 2
CNB010  Measurement of Construction 4  4  2
CNB014  Building Services 2 – Electrical  4  2
CNB347  Hygiene & Sanitation  4  2
CNB405  Project Equipment & Safety  4  2
PSB905  Project Survey  4  2

Year 4, Semester 1
CNB403  Building Management 1  4  2
CNB440/1  Law 3 – Building Contracts  3  1
CNB442/1  Valuation & Dilapidations  4  2
CNB443  Building Services 3  5  2.5
CNB444  Mechanical & Electrical Estimating OR Elective  4  2
CNB601  Formwork Design & Construction  4  2

Year 4, Semester 2
CNB301  PM1 – Advanced Construction Methods  4  2
CNB343  Economics of the Construction Industry OR Elective  4  2
CNB404  Building Management 2  4  2
CNB440/2  Law 3 – Building Contracts  3  1
CNB442/2  Valuation & Dilapidations  2  1
CNB446  Estimating 1  5  2.5

Year 5, Semester 1
CEB701  Civil Engineering Quantities OR Elective  4  2
CNB527  PM2 – Quantitative Techniques  3  1.5
Elective units
Electives may be taken from any other course offered by the University in consultation with the Course Coordinator.

■ Bachelor of Applied Science (Property Economics) (CN32)
See course requirements and notes relating to undergraduate courses.

Location: Gardens Point campus

Course Duration: 3 years full-time, 6 years part-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: To be advised

Professional Recognition
Completion of the undergraduate course together with the related experience requirements make a graduate eligible for membership of the Australian Institute of Valuers and Land Economists, registration by the Valuers Registration Board of Queensland, and licensing as a real estate agent.

Special course requirements
Full-time students must undertake six weeks' professional work experience during the duration of the course. All work experience is to be approved by the Course Coordinator to verify that it is appropriate.

A student registered in the part-time study program must be employed full-time in an approved organisation for three of the final four years of the course.

Part-time study generally involves 10 hours per week and comprises a half-day release from employment with the remaining time spread over two or three nights between 5.00 pm and 9:30 pm.

Full-Time Course Structure

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Electives may be taken from any other course offered by the University in consultation with the Course Coordinator.
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**Part-Time Course Structure**

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**Year 2, Semester 2**

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<td>SSB908</td>
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**Year 3, Semester 1**

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### Bachelor of Applied Science (Quantity Surveying) (CN43)

See course requirements and notes relating to undergraduate courses.

**Location:** Gardens Point campus

**Course Duration:** 3 years full-time plus 1 year part-time, or 6 years part-time

**Total Credit Points:** 384

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Mr Don Campbell-Stewart

**Special Course Requirements**

Students are required to pass the examination segment of each unit to pass that unit.

A student registered in the part-time study program must be employed full-time by a building organisation or quantity surveying office under the direction of a qualified quantity surveyor, ideally during the whole of their study, but as a minimum for three of the final four years of the course.

A student registered for the full-time study program must be similarly employed during the final year part-time segment of the course.

Part-time study generally involves 11 to 13 hours per week and comprises a full-day release from employment with the remaining time spread over two nights between 5.00 pm and 9.30 pm.

Units are offered only once each year. This means that full-time students are required to attend part of their program in the evening. All students must become familiar with and comply with the School’s enrolment rules.

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**Professional Recognition**

Completion of the Bachelor of Applied Science (Quantity Surveying) together with the related experience requirements enables a graduate to be eligible for membership of the Australian Institute of Quantity Surveying.

**Full-Time Course Structure**

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<td>CNB316</td>
<td>Valuations &amp; Investment Theory</td>
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</table>
### Year 4, Semester 2
- **CNB002** Professional Practice 2A: 9 credits
- **CNB412** Development Process 2: 6 credits
- **CNB414** Civil Engineering Quantities: 12 credits
- **CNB418** Research Project 2: 12 credits
- **CNB422** Elective 2: 9 credits

### Part-Time Course Structure

#### Year 1, Semester 1
- **CNB119** Construction 1: 12 credits
- **CNB113** Building Technology 1: 8 credits
- **COB165** Professional Writing/Learning at University: 8 credits

#### Year 1, Semester 2
- **CNB112** Construction 2: 12 credits
- **CNB114** Building Technology 2: 8 credits
- **MAB299** Mathematics for Technologists: 6 credits

#### Year 2, Semester 1
- **CNB211** Construction 3: 12 credits
- **CNB213** Building Technology 3: 6 credits
- **CNB221** Building Legislation: 6 credits

#### Year 2, Semester 2
- **CNB116** Measurement 1: 6 credits
- **CNB118** Building Services 1: 6 credits
- **CNB212** Construction 4: 9 credits
- **ISB170** Introduction to Computing: 6 credits

#### Year 3, Semester 1
- **CNB121** Professional Studies A: 8 credits
- **CNB215** Measurement 2: 6 credits
- **CNB223** Applied Computing 1: 6 credits
- **CNB311** Construction 5: 9 credits

#### Year 3, Semester 2
- **CNB216** Measurement 3: 6 credits
- **CNB218** Building Services 3: 6 credits
- **CNB222** Estimating 1: 6 credits
- **CNB226** Torts & Contract Law: 6 credits

#### Year 4, Semester 1
- **CNB217** Building Services 2: 6 credits
- **CNB219** Economics of the Construction Industry: 6 credits
- **CNB319** Professional Management: 6 credits
- **CNB323** Estimating 2: 6 credits
- **CNB329** Building Contracts/Arbitration Law: 6 credits

#### Year 4, Semester 2
- **CNB220** Construction Management 1: 6 credits
- **CNB312** Measurement 4: 9 credits
- **CNB316** Valuations & Investment Theory: 6 credits
- **PSB910** Construction Surveying: 8 credits

#### Year 5, Semester 1
- **CNB313** Time Management 1: 9 credits
- **CNB315** Construction Business Management: 6 credits
- **CNB327** Building Economics 1: 6 credits
- **CNB421** Elective 1: 9 credits

#### Year 5, Semester 2
- **CNB314** Contract Administration 1: 6 credits
- **CNB318** Commercial Law: 6 credits
- **CNB320** Building Economics 2: 6 credits
- **CNB332** Applied Computing 2A: 6 credits
### Year 6, Semester 1

<table>
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<td>CNB415</td>
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<td>CNB417</td>
<td>Research Project 1</td>
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### Year 6, Semester 2

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<tr>
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<tr>
<td>CNB412</td>
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<tr>
<td>CNB414</td>
<td>Civil Engineering Quantities</td>
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<td>CNB418</td>
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<td>CNB422</td>
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</table>

#### Work Experience

A student registered in the part-time study program must be in approved full-time employment for three of the final four years of the course.

In the semesters in which part-time students undertake their professional experience they are to enrol and satisfy the requirements of the following units:

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>CNB031</td>
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<td>CNB032</td>
<td>Professional Practice 2</td>
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<tr>
<td>CNB033</td>
<td>Professional Practice 3</td>
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<tr>
<td>CNB034</td>
<td>Professional Practice 4</td>
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</table>

### Bachelor of Applied Science (Quantity Surveying) (CN33)

See course requirements and notes relating to undergraduate courses.

**Course discontinued**: No further intakes. This course has been replaced by the Bachelor of Applied Science (Quantity Surveying) (CN43). Years 3 to 4 are offered to continuing students only.

**Location**: Gardens Point campus

**Course Duration**: 6 years part-time, 2 years full-time plus 2 years part-time

**Total Credit Points**: 287

**Standard Credit Points/Full-Time Semester**: 48

**Course Coordinator**: Mr Don Campbell-Stewart

**Professional Recognition**

Completion of the Bachelor of Applied Science (Quantity Surveying) together with the related experience requirements enables a graduate to be eligible for membership of the Australian Institute of Quantity Surveying.

**Special Course Requirements**

Students are required to pass the examination segment of each unit to pass that unit.

A student registered in the part-time study program must be employed in a building or quantity surveying office under the direction of a qualified quantity surveyor for three of the final four years of the course.

A student registered in the full-time study program must be similarly employed during the final two-year part-time segment of the course.

Part-time study generally involves 11 to 12 hours per week and comprises a half-day release from employment with the remaining time spread over two or three nights between 5.00 pm and 9.30 pm. For the first four years of the part-time course a whole day release from employment is required.
Units are offered only once each year. This means that full-time students are required to attend part of their program in the evening. All students must become familiar with and comply with the School's enrolment rules.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 3, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CNB341 Building &amp; Civil Engineering Construction</td>
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<tr>
<td>CNB444 Mechanical &amp; Electrical Estimating OR Elective unit</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>CNB451 Computer Software Applications</td>
<td>4</td>
<td>2</td>
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<tr>
<td>CNB461 Measurement of Construction</td>
<td>3</td>
<td>1.5</td>
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<tr>
<td>CNB540 Estimating</td>
<td>5</td>
<td>2.5</td>
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<tr>
<td>CNB545 PM3 – Construction Planning Techniques</td>
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<thead>
<tr>
<th>Year 3, Semester 2</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>CNB301 PM1 – Advanced Construction Methods</td>
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</tr>
<tr>
<td>CNB462 Measurement of Construction 6</td>
<td>3</td>
<td>1.5</td>
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<tr>
<td>CNB502 Building Management</td>
<td>4</td>
<td>2</td>
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<tr>
<td>CNB520 Specifications</td>
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<tr>
<td>CNB524 Measurement of Construction 7</td>
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<td>CNB526 Post Contract Services</td>
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<td>CNB552 Office Management</td>
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<table>
<thead>
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<th>Year 4, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>CNB603 Building Management 5</td>
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<tr>
<td>CEB701 Civil Engineering Quantities</td>
<td>4</td>
<td>2</td>
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<tr>
<td>CNB623 PM6 – Building Development Techniques</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>CNB647 Cost Planning &amp; Cost Control 1</td>
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<td>2</td>
</tr>
<tr>
<td>CNB653 Post Contract Service 2</td>
<td>5</td>
<td>2.5</td>
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<tr>
<td>CNB656/1 Building Research</td>
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<th>Year 4, Semester 2</th>
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<tbody>
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<td>CNB452 Computer Software Applications 2</td>
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<td>CNB624 PM7 Building Development Techniques 2</td>
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### Elective units
Electives may be taken from any other course offered by the University in consultation with the Course Coordinator.

### Part-Time Course Structure

<table>
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<td>CNB013 Building Services 1 – HVAC</td>
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<td>CNB341 Building &amp; Civil Engineering Construction</td>
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<td>CNB347 Hygiene &amp; Sanitation</td>
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**Year 4, Semester 2**

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<td>PM1 – Advanced Construction Methods</td>
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**Year 5, Semester 1**

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<td>CNB527</td>
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**Year 5, Semester 2**

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<td>CNB526</td>
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<td>CNB543</td>
<td>Law 4 – Torts &amp; Arbitration</td>
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**Year 6, Semester 1**

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<td>CNB647</td>
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<td>CNB653</td>
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**Year 6, Semester 2**

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<td>CNB624</td>
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<td>CNB648</td>
<td>Cost Planning &amp; Cost Control 2</td>
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<tr>
<td>CNB656/2</td>
<td>Building Research</td>
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</table>

**Elective units**

Electives may be taken from any other course offered by the University in consultation with the Course Coordinator.

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**Bachelor of Architecture (AR48)**

See course requirements and notes relating to undergraduate courses.

**Location:** Gardens Point campus

**Course Duration:** 6 years part-time

**Total Credit Points:** 384

**Standard Credit Points/Part-Time Semester:** 32

**Course Coordinator:** Mr Dan Nutter

**Professional Recognition**

On completion of the course and one year’s postgraduate practical experience, graduates are eligible to apply for associate membership of the Royal Australian Institute of Architects and are eligible to apply to sit for the registration examination conducted by the Board of Architects of Queensland.
Special Course Requirements

A Bachelor of Architecture student must be engaged in approved employment for at least 48 recognised weeks within the first three years (ARB795 Approved Employment A) and for at least 72 recognised weeks within the second three years (ARB796 Approved Employment B). For details refer to the Section ‘Course Requirements and Notes relating to Undergraduate Courses’.

Segmented Course Units

Where course units contain discrete segments identified in the synopsis, students are generally expected to pass all segments in order to pass the course unit.

The final grade for the unit will be aggregated from the grades attained in the segments undertaken.

<table>
<thead>
<tr>
<th>Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
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Bachelor of Architecture (AR41)

Course Discontinued: No further intakes. This course has been replaced by the Bachelor of Architecture (AR48). Years 4 to 6 are offered to continuing students only.

Location: Gardens Point campus

Course Duration: 6 years part-time

Total Credit Points: 288

Standard Credit Points/Part-Time Semester: 24

Course Coordinator: Mr Dan Nutter

Professional Recognition

On completion of the course and one year’s postgraduate practical experience graduates are eligible for associate membership of the Royal Australian Institute of Architects and are eligible to sit for the registration examination conducted by the Board of Architects of Queensland.

Special Course Requirements

A student must be engaged in approved employment for 11 months per year for four of the six years of the course, including one of the two final years. Approved employment is defined as working under the direction of an architect or, for a period not exceeding six months, gaining experience in a related field approved by the Head of School. Students should work under the same employer for at least six months. Students must enrol in approved employment units in the semester (or summer school period) in which they expect to finalise the specific approved employment unit involved, so that they can be credited with a result for the unit. All necessary documentation must be forwarded to the Course Coordinator in time for the unit to be finalised by the end of the semester in which the student is enrolled.

Course Structure

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Year 5, Semester 1
ARB591/1 History of Architecture & Art 4 2 1
ARB593/1 Design 8 10 5
ARB595/1 Professional Studies 2 8 4
ARB590 Elective 1A 4 2

Year 5, Semester 2
ARB591/2 History of Architecture & Art 4 2 1
ARB593/2 Design 8 10 5
ARB595/2 Professional Studies 2 8 4
ARB598 Elective 1B 4 2

Year 6, Semester 1
ARB693 Design 9 16 5
ARB695/1 Professional Studies 3 4 2
ARB697/1 Elective 2 4 2

Year 6, Semester 2
ARB695/2 Professional Studies 3 4 2
ARB697/2 Elective 2 20 5

Approved Employment Units
ARB791 Approved Employment 1
ARB792 Approved Employment 2
ARB793 Approved Employment 3
ARB794 Approved Employment 4

Bachelor of Built Environment (BN30)


See course requirements and notes relating to undergraduate courses.

Location: Gardens Point campus

Course Duration: 3 years full-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Dan Nutter

Professional Recognition

ARCHITECTURAL STUDIES MAJOR
Upon successful completion of the Bachelor of Built Environment (Architectural Studies) students are eligible to apply for entry to the fourth year of the part-time Bachelor of Architecture course.

Upon completion of the final three years of the Bachelor of Architecture course, during which time students have been employed in an approved professional practice for a minimum of 72 recognised weeks, the academic requirements for membership of professional bodies are met.

INDUSTRIAL DESIGN MAJOR
Successful completion of the Bachelor of Built Environment (Industrial Design) satisfies the entry requirement for the Graduate Diploma in Industrial Design, graduates of which are eligible for Associate Membership of the Design Institute of Australia.

INTERIOR DESIGN MAJOR
Successful completion of the Bachelor of Built Environment (Interior Design) satisfies the requirements for entry into the Graduate Diploma in Interior Design, which is accredited by the Design Institute of Australia.
LANDSCAPE ARCHITECTURE MAJOR
Successful performance in the Bachelor of Built Environment (Landscape Architecture) enables students to gain entry to the Graduate Diploma/Masters courses. The Graduate Diploma in Landscape Architecture is the only course in Landscape Architecture in Queensland, and one of the courses in Landscape Architecture accredited by the Australian Institute of Landscape Architects.

URBAN AND REGIONAL PLANNING MAJOR
Successful completion of the Bachelor of Built Environment (Urban and Regional Planning) enables students to gain entry to the Graduate Diploma/Masters in Urban and Regional Planning, which is fully accredited by the Royal Australian Planning Institute.

Segmented course units
Where course units contain discrete segments identified in the synopsis, students are generally expected to pass all segments in order to pass the course unit. Detailed requirements are issued by the School.

Course Structure

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<th>Technology &amp; Science</th>
<th>Architectural Applications</th>
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INDUSTRIAL DESIGN MAJOR

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- ARB141 The Human Environment 1 6 2
- ARB147 History of the Built Environment 1 6 3
- ARB168 Technology & Science 1 12 6
- ARB177 Introductory Industrial Design 1 18 9
- COB163 Professional Writing 6 1.5

**Year 1, Semester 2**
- ARB241 History of the Built Environment 2 6 3
- ARB249 The Human Environment 2 6 2
- ARB251 Ergonomics for Industrial Designers 1 6 2
- ARB268 Technology & Science 2 12 6
- ARB277 Introductory Industrial Design 2 18 9

**Year 2, Semester 1**
- ARB291 The Human Environment 3 6 2
- ARB350 Industrial Design 1 18 8
- ARB351 Ergonomics for Industrial Designers 2 6 2
- ARB353 Manufacturing Technology 1 12 6
- ARB354 Computer-aided Industrial Design 1 6 2

**Year 2, Semester 2**
- ARB292 The Human Environment 4 6 2
- ARB450 Industrial Design 2 18 8
- ARB453 Manufacturing Technology 1 12 6
- ARB454 Computer-aided Industrial Design 2 6 2
- ARB457 Elective 1\(^7\) 6 2

**Year 3, Semester 1**
- ARB550 Industrial Design 3 18 8
- ARB553 Manufacturing Technology 3 12 5
- ARB554 Computer-aided Industrial Design 3 6 2
- ARB556 Product Analysis & Development 6 2
- ARB557 Elective 2\(^7\) 6 2

**Year 3, Semester 2**
- ARB646 Law of the Built Environment 6 2
- ARB650 Industrial Design 4 18 8
- ARB653 Manufacturing Technology 4 12 5
- ARB654 Computer-aided Industrial Design 4 6 2
- ARB657 Elective 3\(^7\) 6 2

INTERIOR DESIGN MAJOR

**Year 1, Semester 1**
- ARB141 The Human Environment 1 6 2
- ARB146 Introduction to Interior Technology 1 6 2
- ARB147 History of the Built Environment 1 6 3
- ARB161 Light & Colour Studies 1 6 3
- ARB176 Introductory Interior Design 1 18 9
- COB163 Professional Writing 6 1.5

**Year 1, Semester 2**
- ARB241 History of the Built Environment 2 6 3
- ARB246 Introduction to Interior Technology 2 12 5
- ARB249 The Human Environment 2 6 2
- ARB267 Light & Colour Studies 2 6 3
- ARB276 Introductory Interior Design 2 18 9

**Year 2, Semester 1**
- ARB041 Elective 1\(^7\) 6 2
- ARB360 Interior Design 1 18 8
- ARB361 Interior Technology 1 12 6

\(^7\) Electives must be approved by the relevant Major Coordinator.
ARB362  Furniture & Fittings 1  
ARB291  The Human Environment 3  

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**LANDSCAPE ARCHITECTURE MAJOR**

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18 Electives must be approved by the relevant Major Coordinator.
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**Year 3, Semester 2**

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**URBAN AND REGIONAL PLANNING MAJOR**

**Year 1, Semester 1**

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<td>COB163</td>
<td>Professional Writing</td>
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<tr>
<td>MAB195</td>
<td>Quantitative Methods 1</td>
<td>6</td>
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<tr>
<td>HEB144</td>
<td>Applied Science for Designers 1</td>
<td>6</td>
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<tr>
<td>PSB010</td>
<td>Introductory Design 1</td>
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<td>PSB016</td>
<td>History of the Built Environment 1</td>
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<td>PSB050</td>
<td>The Human Environment 1</td>
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<tr>
<td>PSB070</td>
<td>Map &amp; Air Photo Interpretation</td>
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**Year 1, Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Hours</th>
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<tr>
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<td>Applied Science for Designers 2</td>
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<td>MAB196</td>
<td>Quantitative Methods 2</td>
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<td>PSB011</td>
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<td>History of the Built Environment 2</td>
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<td>PSB056</td>
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**Year 2, Semester 1**

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<td>PSB030</td>
<td>Introduction to the Professions</td>
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<td>PSB040</td>
<td>Graphic Communication</td>
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<td>3</td>
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<tr>
<td>PSB052</td>
<td>The Human Environment 3</td>
<td>6</td>
<td>3</td>
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<td>PSB057</td>
<td>Landscape Ecology 1</td>
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<td>PSB071</td>
<td>Site Measurement</td>
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**Year 2, Semester 2**

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<th>Course Title</th>
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<tbody>
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<td>Planning &amp; Landscape Design 2</td>
<td>20</td>
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<tr>
<td>PSB053</td>
<td>The Human Environment 4</td>
<td>4</td>
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<tr>
<td>PSB058</td>
<td>Landscape Ecology 2</td>
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<td>PSB059</td>
<td>Population &amp; Urban Studies</td>
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<td>Introduction to Economics</td>
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<td>Design Science</td>
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<td>Computer Techniques</td>
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**Year 3, Semester 1**

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<th>Hours</th>
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</thead>
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<td>PSB018</td>
<td>Land Use Generation</td>
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<td>PSB041</td>
<td>Report Preparation</td>
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<td>PSB062</td>
<td>Economics of Town Planning</td>
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<td>PSB074</td>
<td>Land Development</td>
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<td>PSB077</td>
<td>Transport Planning</td>
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<td>PSB190</td>
<td>Elective Unit (Planning) 19</td>
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**Year 3, Semester 2**

<table>
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<th>Course Title</th>
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<td>Law of the Built Environment</td>
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<tr>
<td>PSB015</td>
<td>Planning &amp; Landscape Design 4</td>
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<td>6</td>
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</table>

19 Electives must be approved by the relevant Major Coordinator.
Bachelor of Engineering (Aerospace Avionics) (EE43)

Location: Gardens Point campus

Course Duration: 4 years full-time

Total Credit Points: 384

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Farhan Faruqi

Note: Continuing students should refer to their course summary sheets or contact the School of Electrical and Electronic Systems Engineering for enrolment details.

Course Structure (Commencing Students)

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>BNB004 Technology &amp; Society</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CEB184 Engineering Mechanics 1</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHB002 Introduction to Engineering Chemistry</td>
<td>8</td>
<td>(2)</td>
</tr>
<tr>
<td>EEB101 Circuits &amp; Measurements</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MAB103 Introductory Engineering Mathematics</td>
<td>8</td>
<td>(3)</td>
</tr>
<tr>
<td>MAB187 Engineering Mathematics 1A</td>
<td>8</td>
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<tr>
<td>PHB234 Engineering Physics 1B</td>
<td>8</td>
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</table>

Select one unit from the following:

- MEB181 Engineering Communication | 8 | 4 |
- MEB134 Materials 1 | 8 | 3 |

Year 1, Semester 2

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CSB192 Introduction to Computing</td>
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<tr>
<td>EEB210 Network Analysis</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>EEB270 Digital Design Principles</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MAB188 Engineering Mathematics 1B</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>PHB234 Engineering Physics 2B</td>
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</table>

Select the unit not undertaken in Semester 1:

- MEB134 Materials 1 | 8 | 3 |
- MEB181 Engineering Communication | 8 | 4 |

Year 2, Semester 1

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>EEB375 Electronics 1</td>
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<td>EEB310 Network Synthesis</td>
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<td>4</td>
</tr>
<tr>
<td>EEB362 Introduction to Telecommunications</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>EEB390 Engineering Computing</td>
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<tr>
<td>MAB485 Engineering Mathematics 2A</td>
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<td>3</td>
</tr>
<tr>
<td>MEB362 Thermofluids</td>
<td>8</td>
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</table>

Year 2, Semester 2

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEB476 Electronics 2</td>
<td>8</td>
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<tr>
<td>EEB420 Control Systems 1</td>
<td>8</td>
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<tr>
<td>EEB475 Microprocessor Systems</td>
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</table>

CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.

MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C.
EEB692  Space Technology  8  3
MAB486  Engineering Mathematics 2B  8  3
MEB454  Aerodynamics 1  8  3

**Year 3, Semester 1**

EEB565  Signals & Linear Systems  8  3
EEB582  Aerospace Design 1  8  3
MAB893  Engineering Mathematics 3  8  3
MEB553  Aerodynamics 2  8  3
MEB690  Aircraft Systems  8  3
Elective Unit 1 (select from List A)  8  3

**Year 3, Semester 2**

EEB624  Control Systems 2  8  3
EEB665  Transmission & Propagation  8  3
EEB668  Digital Signal Processing  8  3
EEB683  Aerospace Design 2  8  3
MEB551  Propulsion & Engines  8  3
Elective Unit 2 (select from List B)  8  3

**Year 4, Semester 1**

EEB380  Engineering Management Skills  8  3
EEB682  Engineering Business Skills  8  3
EEB780  Aerospace Design 3  8  3
EEB787/1  Project  8  4
Elective Unit 3 (select from List C)  8  3
Elective Unit 4 (select from List C)  8  3

**Year 4, Semester 2**

EEB787/2  Aerospace Project  16  6
EEB820  Engineering Management  8  3
EEB821  Production Technology & Quality  8  3
Elective Unit 5 (select from List D)  8  3
Elective Unit 6 (select from List D)  8  3

**ELECTIVE LISTS**

**List A, ‘A’ Electives**

EEB691  Aeronautical Computing  8  3
EEB564  Information Theory Modulation & Noise  8  3

**List B, ‘A’ Electives**

EEB722  Flight Control Systems  8  3
EEB967  Digital Communications  8  3
EEB974  VLSI Circuits & Systems  8  3

**List C, ‘A’ Electives**

PSB911  Remote Sensing  8  3
EEB662  Microwave & Antenna Technology  8  3
EEB730  Radar & Radio Navigation  8  3
EEB762  Communications Technology  8  3
EEB763  Modern Signal Processing  8  3
EEB971  Applied Electronics  8  3

Select one of the following units:

MEB790  Spacecraft & Satellite Design  8  3

A third year ‘A’ Elective not yet attempted
‘B’ Elective offered by the divisions (See list below for units offered. These will normally be run if enrolments are sufficient. Only one ‘B’ elective may be chosen.)

**List D, ‘A’ Electives**

EEB822  Advanced Control Systems  8  3
EEB891  Signal Computing & Real Time DSP  8  3
EEB892  Advanced Engineering Computing 2  8  3
EEB932  Automatic Flight Control  8  3
EEB933  Combat Systems  8  3
EEB934  Advanced Communications Navigations  8  3
Select one of the following units:

EEB935    Advanced Satellite Systems  
A third year 'A' Elective not yet attempted  
'B' Elective offered by the divisions

'B' Electives

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>BNB003</td>
<td>Professional Practice in Asia/Pacific</td>
<td>8</td>
<td>3</td>
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<tr>
<td>EEB761</td>
<td>Statistical Communications</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>EEB890</td>
<td>Advanced Information Technology Topics</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>EEB956</td>
<td>Photovoltaic Engineering</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>EEB962</td>
<td>Microwave Systems Engineering</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>EEB969</td>
<td>Signal Filtering &amp; Estimation</td>
<td>8</td>
<td>3</td>
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<tr>
<td>EEB999</td>
<td>Advanced Electrical Engineering Topics</td>
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</table>

At the discretion of the Course Coordinator, students may be allowed to select an elective from advanced topics offered by the Faculty of Science, Faculty of Information Technology or other Schools in the Faculty of Built Environment and Engineering.

Also, potential Honours students may, with the approval of the Course Coordinator, select an elective from the postgraduate degree courses offered by the School of Electrical and Electronic Systems Engineering.

Bachelor of Engineering (Civil) (CE42)

Location: Gardens Point campus

Course Duration: 4 years full-time, 6 years part-time

Total Credit Points: 384

Standard Credit Points/Full-time Semester: 48

Course Coordinator: Associate Professor David Thambiratnam

Professional Recognition

This degree meets the requirements for membership of the Institution of Engineers, Australia.

Note: The course structure listed below was introduced in 1995. Students who enrolled in the course prior to 1995 should refer to their course summary sheet or contact the School of Civil Engineering for enrolment details.

Environmental Engineering Major

Students may elect to enter the environmental major of the course at the end of Year 1 full-time. This will involve taking, over the length of the course, 96 credit points of alternative core units, prescribed elective units from the main course and some environmental based topics in design units and project. Further information about the Environmental Engineering major is available from the School of Civil Engineering.

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>Year 1, Semester 1</td>
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</tr>
<tr>
<td>BNB004 Technology &amp; Society</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CEB184 Engineering Mechanics</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>CHB002 Introduction to Engineering Chemistry</td>
<td>(2)</td>
<td>(1)</td>
</tr>
</tbody>
</table>

22 To spread the load on the computer laboratories, students will be allocated to one or other of MEB181 or MEB134.

23 CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.
## Year 1, Semester 2
- **CEB185** Engineering Mechanics 2
- **ESB229** Geology for the Built Environment
- **MAB188** Engineering Mathematics 1B
- **PSB907** Surveying
- **SCB246** Engineering Physics & Chemistry

Select one unit not undertaken in Semester 1:
- **MEB134** Materials 1
- **MEB181** Engineering Communication

Students not enrolled for the Environmental Major complete these units:

## Year 2, Semester 1
- **CEB221** Engineering Investigation Analysis & Reporting
- **CEB240** Soil Mechanics 1
- **CEB254** Structural Engineering 1
- **CEB260** Fluid Mechanics
- **CEB293** Civil Engineering Materials
- **MAB487** Engineering Mathematics 2A

## Year 2, Semester 2
- **CEB201** Steel Structures
- **CEB202** Concrete Structures 1
- **CEB211** Highway Engineering
- **CEB241** Soil Mechanics 2
- **CEB255** Structural Engineering 2
- **CEB261** Hydraulic Engineering 1

## Year 3, Semester 1
- **CEB304/1** Civil Engineering Design 1
- **CEB306** Concrete Structures 2
- **CEB309** Construction Practice
- **CEB362** Hydraulic Engineering 2
- **CEB373** Public Health Engineering
- **MAB893** Engineering Mathematics 3

## Year 3, Semester 2
- **CEB304/2** Civil Engineering Design 1
- **CEB316** Construction Planning & Economics
- **CEB315** Traffic Engineering
- **CEB342** Geotechnical Engineering 1
- **CEB356** Structural Engineering 3
- **CEB371** Water & Wastewater Systems

## Year 4, Semester 1
- **CEB402** Professional Practice
- **CEB408/1** Civil Engineering Design 2

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24 **MAB103 Introductory Engineering Mathematics** is to be taken by those students not obtaining a SA or better in Queensland Maths C.

25 To spread the load on the computer laboratories, students will be allocated to one or other of MEB181 or MEB134.

26 Students who have not successfully completed these units may enrol in Summer School units. Details are available from the Course Coordinator.

27 Safety boots must be worn for practical exercises and field trips.
<table>
<thead>
<tr>
<th>Year 4, Semester 2</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>CEB407 Structural Applications</td>
<td>8 3</td>
</tr>
<tr>
<td>CEB493/1 Project (Civil)</td>
<td>8 3</td>
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<tr>
<td>Elective Unit</td>
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<td>Elective Unit</td>
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Students enrolled for the Environmental Major complete these units:

<table>
<thead>
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<tbody>
<tr>
<td>CEB221 Engineering Investigation Analysis &amp; Reporting</td>
<td>8 4</td>
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<tr>
<td>CEB240 Soil Mechanics 1</td>
<td>8 3.5</td>
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<tr>
<td>CEB254 Structural Engineering 1</td>
<td>8 3.5</td>
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<tr>
<td>CEB260 Fluid Mechanics</td>
<td>8 3.5</td>
</tr>
<tr>
<td>CEB293 Civil Engineering Materials</td>
<td>8 4</td>
</tr>
<tr>
<td>MAB487 Engineering Mathematics 2A</td>
<td>8 3</td>
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<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CEB201 Steel Structures</td>
<td>8 3.5</td>
</tr>
<tr>
<td>CEB202 Concrete Structures 1</td>
<td>8 3.5</td>
</tr>
<tr>
<td>CEB241 Soil Mechanics 2</td>
<td>8 3</td>
</tr>
<tr>
<td>CEB255 Structural Engineering 2</td>
<td>8 3.5</td>
</tr>
<tr>
<td>CEB261 Hydraulic Engineering 1</td>
<td>8 3.5</td>
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<tr>
<td>CEB270 Environmental Science</td>
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<table>
<thead>
<tr>
<th>Year 3, Semester 1</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CEB304/1 Civil Engineering Design 1</td>
<td>8 3.5</td>
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<tr>
<td>CEB309 Construction Practice</td>
<td>8 3.5</td>
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<tr>
<td>CEB362 Hydraulic Engineering 2</td>
<td>8 3</td>
</tr>
<tr>
<td>CEB373 Public Health Engineering</td>
<td>8 3.5</td>
</tr>
<tr>
<td>CEB372 Environmental Technology</td>
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<tr>
<td>MAB893 Engineering Mathematics 3</td>
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<table>
<thead>
<tr>
<th>Year 3, Semester 2</th>
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<tbody>
<tr>
<td>CEB211 Highway Engineering</td>
<td>8 4</td>
</tr>
<tr>
<td>CEB304/2 Civil Engineering Design 1</td>
<td>8 3.5</td>
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<tr>
<td>CEB316 Construction Planning &amp; Economics</td>
<td>8 3</td>
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<td>CEB315 Traffic Engineering</td>
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<tbody>
<tr>
<td>CEB402 Professional Practice</td>
<td>8 3</td>
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<tr>
<td>CEB407 Structural Applications</td>
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<td>CEB475/1 Environmental Engineering Design</td>
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<td>CEB561 Coastal Engineering</td>
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<td>CEB570 Waste Management</td>
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<table>
<thead>
<tr>
<th>Year 4, Semester 2</th>
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<tbody>
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<td>CEB475/2 Environmental Engineering Design</td>
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<tr>
<td>CEB493/2 Project (Civil)</td>
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</tr>
<tr>
<td>CEB502 Project Control</td>
<td>8 3</td>
</tr>
<tr>
<td>CEB575 Environmental Impact Assessment</td>
<td>8 3</td>
</tr>
</tbody>
</table>

28 Safety boots must be worn for practical exercises and field trips.
### Part-Time Course Structure

#### Year 1, Semester 1
- **BNB004** Technology & Society 8 3
- **CEB184** Engineering Mechanics 1 8 4
- **CHB002** Introduction to Engineering Chemistry 29 (2) (1)
- **EEB101** Circuits & Measurements 8 3
- **MAB103** Introductory Engineering Mathematics 30 (8) (3)
- **MAB187** Engineering Mathematics 1A 8 4
- **MEB181** Engineering Communication 8 4

#### Year 1, Semester 2
- **CEB185** Engineering Mechanics 2 8 4
- **FSB229** Geology for the Built Environment 8 3
- **MAB188** Engineering Mathematics 1B 8 4
- **MEB133** Materials 31 8 3

#### Year 2, Semester 1
- **CEB254** Structural Engineering 1 8 3.5
- **CEB293** Civil Engineering Materials 8 4
- **PHB134** Engineering Physics 1B 8 3

#### Year 2, Semester 2
- **CEB202** Concrete Structures 1 8 3.5
- **CEB255** Structural Engineering 2 8 3.5
- **PSB907** Surveying 8 3
- **SEB246** Engineering Physics & Chemistry 8 3

#### Year 3, Semester 1
- **CEB221** Engineering Investigation Analysis & Reporting 8 4
- **CEB240** Soil Mechanics 1 32 8 3.5
- **CEB260** Fluid Mechanics 4 8 3.5
- **MAB487** Engineering Mathematics 8 3

#### Year 3, Semester 2
- **CEB201** Steel Structures 8 3.5
- **CEB211** Highway Engineering 8 4
- **CEB241** Soil Mechanics 2 8 3
- **CEB261** Hydraulic Engineering 1 8 3.5

#### Year 4, Semester 1
- **CEB306** Concrete Structures 2 8 3
- **CEB362** Hydraulic Engineering 2 8 3
- **CEB370** Public Health Engineering 8 3.5
- **MAB893** Engineering Mathematics 3 8 3

#### Year 4, Semester 2
- **CEB305** Construction Planning & Economics 32 8 3
- **CEB315** Traffic Engineering 8 3
- **CEB342** Geotechnical Engineering 1 8 3
- **CEB371** Water & Wastewater Systems 8 3

#### Year 5, Semester 1
- **CEB304/1** Civil Engineering Design 1 8 3.5
- **CEB309** Construction Practice 8 3.5
- **CEB402** Professional Practice 8 3
- **CEB407** Structural Applications 8 3

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29 CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.

30 MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C.

31 To spread the load on the computer laboratories, students will be allocated to one or other of MEB181 or MEB134.

32 Safety boots must be worn for practical exercises and field trips.
Year 5, Semester 2

- CEB304/2 Civil Engineering Design 1, 8 credits, 3.5 contact hours/Wk.
- CEB355 Structural Engineering 3, 8 credits, 3 contact hours/Wk.
- Elective Unit, 8 credits.
- Elective Unit, 8 credits.

Year 6, Semester 1

- CEB408/1 Civil Engineering Design 2, 8 credits, 4 contact hours/Wk.
- CEB493/2 Project (Civil), 8 credits, 3 contact hours/Wk.
- Elective Unit, 8 credits.
- Elective Unit, 8 credits.

Year 6, Semester 2

- CEB401 Design Project, 8 credits, 3 contact hours/Wk.
- CEB408/2 Civil Engineering Design 2, 8 credits, 3 contact hours/Wk.
- CEB493/2 Project (Civil), 8 credits, 3 contact hours/Wk.
- Elective Unit, 8 credits.

Note: Part-time students who wish to do the Environmental Major must discuss their program with the Course Coordinator.

Elective Units

**First Semester**

- BNB003 Professional Practice in Asia/Pacific, 8 credits, 3 contact hours/Wk.
- CEB501 Civil Engineering Practice 1, 8 credits, 3 contact hours/Wk.
- CEB505 Project Management & Administration, 8 credits, 3 contact hours/Wk.
- CEB512 Transport Engineering 1, 8 credits, 3 contact hours/Wk.
- CEB520 Finite Element Methods, 8 credits, 3 contact hours/Wk.
- CEB541 Geotechnical Engineering 2, 8 credits, 3 contact hours/Wk.
- CEB561 Coastal Engineering, 8 credits, 3 contact hours/Wk.

**Second Semester**

- CEB502 Project Control, 8 credits, 3 contact hours/Wk.
- CEB503 Advanced Construction Methods, 8 credits, 3 contact hours/Wk.
- CEB506 Civil Engineering Practice 2, 8 credits, 3 contact hours/Wk.
- CEB511 Transport Engineering 2, 8 credits, 3 contact hours/Wk.
- CEB531 Masonry Design, 8 credits, 3 contact hours/Wk.
- CEB542 Geotechnical Engineering 3, 8 credits, 3 contact hours/Wk.
- CEB543 Environmental Geohydrology, 8 credits, 3 contact hours/Wk.
- CEB551 Advanced Structural Design, 8 credits, 3 contact hours/Wk.
- CEB560 Hydraulic Engineering 3, 8 credits, 3 contact hours/Wk.
- CEB570 Waste Management, 8 credits, 3 contact hours/Wk.
- CEB575 Environmental Impact Assessment, 8 credits, 3 contact hours/Wk.

**Note:**
1. Students' elective programs are subject to approval by the Course Coordinator.
2. Students may choose approved units from Mathematics, Computing or other degrees subject to approval by the Course Coordinator.

**Bachelor of Engineering (Civil) (CE43) (Mid-year Entry)**

See course requirements and notes relating to undergraduate courses.

**Location:** Gardens Point campus

**Course Duration:** 3.5 years full-time

**Total Credit points:** 384

**Course Coordinator:** Associate Professor David Thambiratnam
Professional Recognition

This degree meets the requirements for membership of the Institution of Engineers, Australia.

Environmental Engineering Major

Students may elect to enter the environmental major of the course at the end of Year 1. This will involve taking, over the length of the course, 96 credit points of alternative core units, prescribed elective units from the main course and some environmental-based topics in design units and project.

Year 1, Semester 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>BNB004</td>
<td>Technology &amp; Society</td>
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<tr>
<td>CEB184</td>
<td>Engineering Mechanics 1</td>
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</tr>
<tr>
<td>MAB103</td>
<td>Introductory Engineering Mathematics</td>
<td>8</td>
</tr>
<tr>
<td>MAB187</td>
<td>Engineering Mathematics 1A</td>
<td>8</td>
</tr>
<tr>
<td>MEB181</td>
<td>Engineering Communication</td>
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<tr>
<td>PHB134</td>
<td>Engineering Physics 1B</td>
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<tr>
<td>PSB907</td>
<td>Surveying</td>
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<td>ESB229</td>
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Summer School

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<tbody>
<tr>
<td>CEB240</td>
<td>Soil Mechanics 1</td>
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<tr>
<td>CHB002</td>
<td>Introduction to Engineering Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>MAB188</td>
<td>Engineering Mathematics 1B</td>
<td>8</td>
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Year 2, Semester 1

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<tr>
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<th>Course Title</th>
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<tr>
<td>MEB134</td>
<td>Materials 1</td>
<td>8</td>
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<tr>
<td>CEB221</td>
<td>Engineering Investigation Analysis &amp; Reporting</td>
<td>8</td>
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<td>CEB254</td>
<td>Structural Engineering 1</td>
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<tr>
<td>CEB260</td>
<td>Fluid Mechanics</td>
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<td>CEB293</td>
<td>Civil Engineering Materials</td>
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<tr>
<td>MAB487</td>
<td>Engineering Mathematics 2A</td>
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<tr>
<td>EEB101</td>
<td>Circuits &amp; Measurements</td>
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Students NOT enrolled in the environmental major should follow this course structure:

Year 2, Semester 2

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<td>CEB202</td>
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<td>CEB241</td>
<td>Soil Mechanics 2</td>
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<td>CEB211</td>
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<tr>
<td>CEB255</td>
<td>Structural Engineering 2</td>
<td>8</td>
</tr>
<tr>
<td>CEB261</td>
<td>Hydraulic Engineering 1</td>
<td>8</td>
</tr>
<tr>
<td>SCB246</td>
<td>Engineering Physics &amp; Chemistry</td>
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</tbody>
</table>

Year 3, Semester 1

<table>
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<th>Course Title</th>
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<tbody>
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<td>CEB304/1</td>
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<td>CEB306</td>
<td>Concrete Structures 2</td>
<td>8</td>
</tr>
<tr>
<td>CEB309</td>
<td>Construction Practice</td>
<td>8</td>
</tr>
<tr>
<td>CEB362</td>
<td>Hydraulic Engineering 2</td>
<td>8</td>
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<tr>
<td>CEB370</td>
<td>Public Health Engineering 1</td>
<td>8</td>
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<tr>
<td>MAB893</td>
<td>Engineering Mathematics 3</td>
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Year 3, Semester 2

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<tbody>
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<td>CEB304/2</td>
<td>Civil Engineering Design 1</td>
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<tr>
<td>CEB305</td>
<td>Construction Planning &amp; Economics</td>
<td>8</td>
</tr>
<tr>
<td>CEB315</td>
<td>Traffic Engineering</td>
<td>8</td>
</tr>
</tbody>
</table>

33 This unit is to be taken by those students not obtaining a SA or better in Queensland Mathematics C.

34 CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.
CEB342  Geotechnical Engineering 8 3
CEB357  Structural Engineering 3 8 3
CEB371  Water & Wastewater Systems 8 3

**Year 4, Semester 1**
- CEB402  Professional Practice 8 3
- CEB408/1  Civil Engineering Design 2 8 3
- CEB407  Structural Applications 8 3
- CEB493/1  Project (Civil) 8 3
  - Elective Unit 8 3
  - Elective Unit 8 3

**Year 4, Semester 2**
- CEB401  Design Project 8 3
- CEB408/2  Civil Engineering Design 2 8 3
- CEB493/2  Project (Civil) 8 3
  - Elective Unit 8 3
  - Elective Unit 8 3
  - Elective Unit 8 3

Students enrolled for the environmental major complete these units:

**Year 2, Semester 2**
- CEB201  Steel Structures 8 3.5
- CEB202  Concrete Structures 1 8 3.5
- CEB241  Soil Mechanics 2 8 3
- CEB255  Structural Engineering 2 8 3.5
- CEB261  Hydraulic Engineering 1 8 3
- CEB270  Environmental Science 8 3
- SCB246  Engineering Physics & Chemistry 8 3

**Year 3, Semester 1**
- CEB304/1  Civil Engineering Design 1 8 3
- CEB309  Construction Practice 8 3
- CEB362  Hydraulic Engineering 2 8 3
- CEB372  Environmental Technology 8 3
- CEB373  Public Health Engineering 1 8 3
- MAB893  Engineering Mathematics 3 8 3

**Year 3, Semester 2**
- CEB211  Highway Engineering 8 4
- CEB304/2  Civil Engineering Design 1 8 3
- CEB316  Construction Planning & Economics 8 2
- CEB315  Traffic Engineering 8 3
- CEB371  Water & Wastewater Systems 8 3
- CEB544  Environmental Geotechnology 8 3

**Year 4, Semester 1**
- CEB402  Professional Practice 8 3
- CEB407  Structural Applications 8 3
- CEB475/1  Environmental Engineering Design 8 4
- CEB493/1  Project (Civil) 8 3
- CEB561  Coastal Engineering 8 3
- CEB570  Waste Management 8 3

**Year 4, Semester 2**
- CEB342  Geotechnical Engineering 1 8 3
- CEB471  Environmental Design Project 8 3
- CEB475/2  Environmental Engineering Design 8 4
- CEB493/2  Project (Civil) 8 3
- CEB502  Project Control 8 3
- CEB575  Environmental Impact Assessment 8 3
Bachelor of Engineering (Electrical and Computer Engineering) (EE44)

Location: Gardens Point campus
Course Duration: 4 years full-time, 6 years part-time
Total Credit Points: 384
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: To be advised

Professional Recognition

This degree meets the requirements for membership of the Institution of Engineers, Australia and of the Institution of Radio and Electronics Engineers.

The alternative award name, Bachelor of Engineering (Electrical), meets the requirements for membership of the Singapore Professional Engineers Board.

Note: Continuing students should refer to their course summary sheets or contact the School of Electrical and Electronic Systems Engineering for enrolment details.

Full-Time Course Structure (Commencing Students)

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
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<td>BNB004 Technology &amp; Society</td>
<td>8</td>
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<td>CEB184 Engineering Mechanics</td>
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<td>CHB002 Introduction to Engineering Chemistry(^{35})</td>
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<td>EEB101 Circuits &amp; Measurements</td>
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<td>(3)</td>
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<td>MAB187 Engineering Mathematics 1A</td>
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<td>PHB134 Engineering Physics 1B</td>
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<tr>
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<td>MEB181 Engineering Communication</td>
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<td>MEB134 Materials 1</td>
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<td>CSB192 Introduction to Computing</td>
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<td>EEB210 Network Analysis</td>
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<td>MEB111 Dynamics</td>
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</tbody>
</table>

\(^{35}\) CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.

\(^{36}\) MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Matix C or its equivalent.
<table>
<thead>
<tr>
<th>Year 3, Semester 1</th>
<th>EEB530</th>
<th>Engineering Electromagnetics</th>
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<td>EEB587</td>
<td>Design 1</td>
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<td>EEB593</td>
<td>Software Systems Engineering</td>
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<td>EEB668</td>
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<td>EEB693</td>
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<td>EEB885</td>
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**ELECTIVE LISTS**

**List A, ‘A’ Electives**

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<th>Power Systems 1</th>
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<tbody>
<tr>
<td>EEB564</td>
<td>Information Theory Modulation &amp; Noise</td>
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**List B, ‘A’ Electives**

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<th>EEB632</th>
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<td>Digital Communications</td>
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<td>EEB974</td>
<td>VLSI Circuits &amp; Systems</td>
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**List C, ‘A’ Electives**

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<td>EEB752</td>
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<td>EEB762</td>
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<td>EEB763</td>
<td>Modern Signal Processing</td>
<td>8</td>
<td>3</td>
</tr>
</tbody>
</table>

OR a third year ‘A’ elective not yet completed

OR a ‘B’ elective. (See list below for B elective units.

These will only be offered if enrolments are sufficient.

Only one ‘B’ elective may be chosen.)

<table>
<thead>
<tr>
<th>EEB765</th>
<th>Microwave &amp; Antenna Technology</th>
<th>8</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEB791</td>
<td>Advanced Engineering Computing 1</td>
<td>8</td>
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</tbody>
</table>

**List D, ‘A’ Electives**

<table>
<thead>
<tr>
<th>EEB822</th>
<th>Advanced Control Systems</th>
<th>8</th>
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</thead>
<tbody>
<tr>
<td>EEB842</td>
<td>Power Systems Engineering</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>EEB869</td>
<td>Signal Filtering &amp; Estimation</td>
<td>8</td>
<td>3</td>
</tr>
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</table>

OR a third year ‘A’ elective not yet completed

OR a ‘B’ elective not yet completed.

<table>
<thead>
<tr>
<th>EEB871</th>
<th>Applied Electronics</th>
<th>8</th>
<th>3</th>
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</thead>
<tbody>
<tr>
<td>EEB891</td>
<td>Signal Computing &amp; Real Time DSP</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>EEB892</td>
<td>Advanced Engineering Computing 2</td>
<td>8</td>
<td>3</td>
</tr>
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</table>

**‘B’ Electives**

<table>
<thead>
<tr>
<th>BNB003</th>
<th>Professional Practice in Asia/Pacific</th>
<th>8</th>
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</thead>
<tbody>
<tr>
<td>EEB910</td>
<td>Photovoltaic Engineering</td>
<td>8</td>
<td>3</td>
</tr>
</tbody>
</table>
At the discretion of the Course Coordinator, students may be allowed to select an elective from advanced topics offered by the Faculty of Science, Faculty of Information Technology or other Schools in the Faculty of Built Environment and Engineering.

Also, potential Honours students may, with the approval of the Course Coordinator, select an elective from the postgraduate degree courses offered by the School of Electrical and Electronic Systems Engineering.

### Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hours/Wk</th>
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<tbody>
<tr>
<td>BNB004 Technology &amp; Society</td>
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<tr>
<td>CHB002 Introduction to Engineering Chemistry</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>EEB101 Circuits &amp; Measurements</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MAB103 Introductory Engineering Mathematics</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MAB187 Engineering Mathematics 1A</td>
<td>8</td>
<td>4</td>
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<tr>
<td>PHB134 Engineering Physics 1B</td>
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<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hours/Wk</th>
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<tbody>
<tr>
<td>CSB192 Introduction to Computing</td>
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<td>EEB210 Network Analysis</td>
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<td>MAB188 Engineering Mathematics 1B</td>
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<td>PHB234 Engineering Physics 2B</td>
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<tr>
<td>EEB310 Network Synthesis</td>
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<tr>
<td>EEB362 Introduction to Telecommunications</td>
<td>8</td>
<td>3</td>
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<tr>
<td>MAB485 Engineering Mathematics 2A</td>
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<td>MEB134 Materials 1</td>
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<tr>
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<td>MAB486 Engineering Mathematics 2B</td>
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<td>MEB111 Dynamics</td>
<td>8</td>
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<tr>
<td>MEB181 Engineering Communication</td>
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<tr>
<th>Year 3, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hours/Wk</th>
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<tbody>
<tr>
<td>CEB184 Engineering Mechanics 1</td>
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<td>EEB302 Electrotechnology 1</td>
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<td>EEB375 Electronics 1</td>
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<td>EEB390 Engineering Computing 1</td>
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<tbody>
<tr>
<td>EEB400 Electrotechnology 2</td>
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<td>EEB420 Control Systems 1</td>
<td>8</td>
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<tr>
<td>EEB475 Microprocessor Systems</td>
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<td>EEB476 Electronics 2</td>
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<table>
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<tr>
<th>Year 4, Semester 1</th>
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<tbody>
<tr>
<td>EEB530 Engineering Electromagnetics</td>
<td>8</td>
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</tr>
<tr>
<td>EEB565 Signals &amp; Linear Systems</td>
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</table>

37 CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.

38 MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Units</th>
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<tbody>
<tr>
<td>EEB593</td>
<td>Software Systems Engineering</td>
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<tr>
<td>MAB893</td>
<td>Engineering Mathematics 3</td>
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**Year 4, Semester 2**

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<tbody>
<tr>
<td>EEB624</td>
<td>Control Systems 2</td>
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<td>8</td>
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<tr>
<td>EEB665</td>
<td>Transmission &amp; Propagation</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>EEB668</td>
<td>Digital Signal Processing</td>
<td></td>
<td>8</td>
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<tr>
<td>EEB693</td>
<td>Real-time Operating Systems</td>
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**Year 5, Semester 1**

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<tbody>
<tr>
<td>EEB380</td>
<td>Engineering Management Skills</td>
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<tr>
<td>EEB587</td>
<td>Design 1</td>
<td></td>
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<tr>
<td>EEB682</td>
<td>Engineering Business Skills</td>
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<td></td>
<td>Elective Unit 1 (select from List A)</td>
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**Year 5, Semester 2**

<table>
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<tbody>
<tr>
<td>EEB788</td>
<td>Design 2</td>
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<tr>
<td>EEB820</td>
<td>Engineering Management</td>
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<tr>
<td>EEB881</td>
<td>Production Technology &amp; Quality</td>
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<td>8</td>
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<td></td>
<td>Elective Unit 2 (select from List B)</td>
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**Year 6, Semester 1**

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<th>Course Title</th>
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<th>Units</th>
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<tbody>
<tr>
<td>EEB885</td>
<td>Design 3</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>EEB889/1</td>
<td>Project</td>
<td></td>
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<tr>
<td></td>
<td>Elective Unit 3 (select from List C)</td>
<td></td>
<td>8</td>
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<tr>
<td></td>
<td>Elective Unit 4 (select from List C)</td>
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**Year 6, Semester 2**

<table>
<thead>
<tr>
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<th>Units</th>
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<tbody>
<tr>
<td>EEB889/2</td>
<td>Project</td>
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<td>16</td>
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<tr>
<td></td>
<td>Elective Unit 5 (select from List D)</td>
<td></td>
<td>8</td>
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<tr>
<td></td>
<td>Elective Unit 6 (select from List D)</td>
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<td>8</td>
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**ELECTIVE LISTS**

**List A, ‘A’ Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>EEB532</td>
<td>Power Systems 1</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>EEB564</td>
<td>Information Theory Modulation &amp; Noise</td>
<td></td>
<td>8</td>
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</tbody>
</table>

**List B, ‘A’ Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEB632</td>
<td>Power Systems 2</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>EEB667</td>
<td>Digital Communications</td>
<td></td>
<td>8</td>
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<tr>
<td>EEB974</td>
<td>VLSI Circuits &amp; Systems</td>
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**List C, ‘A’ Electives**

<table>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Units</th>
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<tbody>
<tr>
<td>EEB741</td>
<td>Power Systems Analysis</td>
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<tr>
<td>EEB752</td>
<td>Power Electronics</td>
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<td>8</td>
</tr>
<tr>
<td>EEB762</td>
<td>Communications Technology</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>EEB763</td>
<td>Modern Signal Processing</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>OR a third year ‘A’ elective not yet completed</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OR a ‘B’ elective. (See list below for B elective units. These will only be offered if enrolments are sufficient.) Only one ‘B’ elective may be chosen.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EEB765</td>
<td>Microwave &amp; Antenna Technology</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>EEB791</td>
<td>Advanced Engineering Computing 1</td>
<td></td>
<td>8</td>
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**List D, ‘A’ Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEB822</td>
<td>Advanced Control Systems</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>EEB842</td>
<td>Power Systems Engineering</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>EEB869</td>
<td>Signal Filtering &amp; Estimation</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>OR a third year ‘A’ elective not yet completed</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OR a ‘B’ elective not yet completed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EEB871</td>
<td>Applied Electronics</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>EEB891</td>
<td>Signal Computing &amp; Real Time DSP</td>
<td></td>
<td>8</td>
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<tr>
<td>EEB892</td>
<td>Advanced Engineering Computing 2</td>
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<td>8</td>
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</table>

**‘B’ Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BNB003</td>
<td>Professional Practice in Asia/Pacific</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>EEB910</td>
<td>Photovoltaic Engineering</td>
<td></td>
<td>8</td>
</tr>
</tbody>
</table>
At the discretion of the Course Coordinator, students may be allowed to select an elective from advanced topics offered by the Faculty of Science, Faculty of Information Technology or other Schools in the Faculty of Built Environment and Engineering.

Also, potential Honours students may, with the approval of the Course Coordinator select an elective from the postgraduate degree courses offered by the School of Electrical and Electronic Systems Engineering.

**Bachelor of Engineering (Electrical and Computer Engineering) (EE45) (Mid-year Entry)**

See course requirements and notes relating to undergraduate courses.

**Location:** Gardens Point campus

**Course Duration:** 3.5 years full-time

**Total Credit Points:** 384

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** To be advised

**Special Course Requirements**

A candidate for the degree of Bachelor of Engineering (Electrical and Computer Engineering) must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester following each period of industrial employment/practice, submit to the Course Coordinator (through the Faculty Office) a report in the required format, describing the work carried out during the period of employment/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Records Forms are available from the Faculty Employment Officer in Room ITE1006.

Students should not formally enrol in industrial experience/practice.

**Course Structure**

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>BNB004 Technology &amp; Society</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CEB184 Engineering Mechanics 1</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CSB192 Introduction to Computing</td>
<td>8</td>
<td>3</td>
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<tr>
<td>EEB101 Circuits &amp; Measurements</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MAB103 Introductory Engineering Mathematics&lt;sup&gt;39&lt;/sup&gt;</td>
<td>(8)</td>
<td>(3)</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAB187 Engineering Mathematics 1A</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>PHB134 Engineering Physics 1B</td>
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<td>3</td>
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<tr>
<td>PHB234 Engineering Physics 2B</td>
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<sup>39</sup> MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C.
### Year 1, Summer School

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
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<tbody>
<tr>
<td>CHB002</td>
<td>Introduction to Engineering Chemistry&lt;sup&gt;40&lt;/sup&gt;</td>
<td>2</td>
<td>1</td>
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<td>EEB210</td>
<td>Network Analysis</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>EEB270</td>
<td>Digital Design Principles</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MAB188</td>
<td>Engineering Mathematics 1B</td>
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<td>4</td>
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</table>

### Year 2, Semester 1

<table>
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<tr>
<th>Code</th>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EEB302</td>
<td>Electrotechnology 1</td>
<td>8</td>
<td>3</td>
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<td>EEB310</td>
<td>Network Synthesis</td>
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<td>4</td>
</tr>
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<td>EEB362</td>
<td>Introduction to Telecommunications</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>EEB375</td>
<td>Electronics 1</td>
<td>8</td>
<td>4</td>
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<tr>
<td>EEB390</td>
<td>Engineering Computing 1</td>
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<tr>
<td>MAB485</td>
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Select one unit from the following:

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<th>Level</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MEB181</td>
<td>Engineering Communication</td>
<td>8</td>
<td>4</td>
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<tr>
<td>MEB134</td>
<td>Materials 1</td>
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<td>3</td>
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### Year 2, Semester 2

<table>
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<th>Level</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EEB400</td>
<td>Electrotechnology 2</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>EEB420</td>
<td>Control Systems 1</td>
<td>8</td>
<td>3</td>
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<tr>
<td>EEB475</td>
<td>Microprocessor Systems</td>
<td>8</td>
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<tr>
<td>EEB476</td>
<td>Electronics 2</td>
<td>8</td>
<td>4</td>
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<tr>
<td>MAB485</td>
<td>Engineering Mathematics 2B</td>
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<td>3</td>
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<tr>
<td>MEB111</td>
<td>Dynamics</td>
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Select the unit not undertaken in Semester 1:

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<th>Credits</th>
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<tr>
<td>MEB134</td>
<td>Materials 1</td>
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<td>3</td>
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<tr>
<td>MEB181</td>
<td>Engineering Communication</td>
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<td>4</td>
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### Year 3, Semester 1

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<td>EEB565</td>
<td>Signals &amp; Linear Systems</td>
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<td>Software Systems Engineering</td>
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Elective Unit 1 (select from List A)

### Year 3, Semester 2

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<td>EEB665</td>
<td>Transmission &amp; Propagation</td>
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<td>EEB668</td>
<td>Digital Signal Processing</td>
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<td>Real-time Operating Systems</td>
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Elective Unit 2 (select from List B)

### Year 4, Semester 1

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<td>EEB682</td>
<td>Engineering Business Skills</td>
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<td>EEB885</td>
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Elective Unit 3 (select from List C)

Elective Unit 4 (select from List C)

### Year 4, Semester 2

<table>
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<td>EEB881</td>
<td>Production Technology &amp; Quality</td>
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<td>EEB889/2</td>
<td>Project</td>
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Elective Unit 5 (select from List D)

Elective Unit 6 (select from List D)

### ELECTIVE LISTS

#### List A, ‘A’ Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Level</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EEB532</td>
<td>Power Systems 1</td>
<td>8</td>
<td>3</td>
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<tr>
<td>EEB564</td>
<td>Information Theory Modulation &amp; Noise</td>
<td>8</td>
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</tbody>
</table>

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<sup>40</sup> CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.
List B, 'A' Electives
EEB632  Power Systems 2  8  3
EEB667  Digital Communications  8  3
EEB974  VLSI Circuits & Systems

List C, 'A' Electives
EEB741  Power Systems Analysis  8  3
EEB752  Power Electronics  8  3
EEB762  Communications Technology  8  3
EEB763  Modern Signal Processing  8  3
EEB765  Microwave & Antenna Technology  8  3
EEB791  Advanced Engineering Computing 1  8  3
OR
a third year ‘A' elective not yet completed
OR
a ‘B’ elective (See list below for ‘B' elective unit.
These will only be offered if enrolments are sufficient.
Only one 'B' elective may be chosen.)

List D, ‘A' Electives
EEB822  Advanced Control Systems  8  3
EEB842  Power Systems Engineering  8  3
EEB869  Signal Filtering & Estimation  8  3
OR
a third year ‘A' elective not yet completed
OR
a ‘B’ elective not yet completed.

EEB871  Applied Electronics  8  3
EEB891  Signal Computing & Real Time DSP  8  3
EEB892  Advanced Engineering Computing 2  8  3

‘B' Electives
BNB003  Professional Practice in Asia/Pacific  8  3
EEB910  Photovoltaic Engineering  8  3
EEB923  Industrial Control Systems  8  3
EEB957  High Voltage Equipment  8  3
EEB958  Electrical Energy Utilisation  8  3
EEB959  Power Electronics Applications  8  3
EEB963  Statistical Communications  8  3
EEB965  Microwave Systems Engineering  8  3
EEB990  Advanced Information Technology Topics  8  3
EEB999  Advanced Electrical Engineering Topics  8  3

At the discretion of the Course Coordinator, students may be allowed to select an elective
from advanced topics offered by the Faculty of Science, Faculty of Information Technology
or other Schools in the Faculty of Built Environment and Engineering.
Also, potential Honours students may, with the approval of the Course Coordinator select
an elective from the postgraduate degree courses offered by the School of Electrical and
Electronic Systems Engineering.

■ Bachelor of Engineering (Mechanical) (ME45)
See course requirements and notes relating to undergraduate courses.

Location: Gardens Point campus

Course Duration:
Normal Entry: 4 years full-time, 6 years part-time
Articulation from Bachelor of Technology (ME35): 3 years part-time

Total Credit Points: 384
Standard Credit Points/Full-Time Semester:
Normal Entry: 48
Articulation from Bachelor of Technology (ME35): 24/32

Course Coordinator: Mr Jack Laracy

Professional Recognition
This degree is recognised for the purpose of membership of the Institution of Engineers, Australia.

Special Course Requirements
A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester immediately following each period of industrial experience/practice, submit to the Course Coordinator (through the Faculty Office) a report in the required format, describing the work carried out during the period of experience/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the Faculty Industrial Experience Officer in Room 602 O Block, Gardens Point campus and also from the Faculty Office.

Students should not formally enrol in industrial experience.

Full-Time Course Structure for Normal Entry

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>BNB004 Technology &amp; Society</td>
<td>8</td>
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<tr>
<td>CEB184 Engineering Mechanics 1</td>
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<tr>
<td>CHB002 Introduction to Engineering Chemistry</td>
<td>(2)</td>
<td>(1)</td>
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<tr>
<td>EEB101 Circuits &amp; Measurements</td>
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<td>3</td>
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<tr>
<td>MAB103 Introductory Engineering Mathematics</td>
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<td>(3)</td>
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<tr>
<td>MAB187 Engineering Mathematics 1A</td>
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<tr>
<td>MEB134 Materials 1</td>
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<td>MEB181 Engineering Communication</td>
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<td>4</td>
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<tr>
<td>PHB134 Engineering Physics 1B</td>
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<td>3</td>
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<tr>
<td>Year 1, Semester 2</td>
<td>Credit Points</td>
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<td>MEB213 Mechanics of Solids</td>
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<td>MEB282 Design 1</td>
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<tr>
<td>MEB134 Materials 1</td>
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<td>MEB181 Engineering Communication</td>
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<td>Year 2, Semester 1</td>
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<td>MEB352 Thermodynamics 1</td>
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<td>MEB363 Fluids 1</td>
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</table>

41 CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.

42 MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C.
### Year 2, Semester 2
- MAB488 Engineering Mathematics 2B 8 3
- MEB334 Materials 2 8 4
- MEB455 Thermodynamics 2 8 4
- MEB466 Fluids 2 8 4
- MEB473 Manufacturing Engineering 1 8 4
- MEB483 Design 3 8 3

### Year 3, Semester 1
- MAB893 Engineering Mathematics 3 8 3
- MEB554 Heat Transfer 8 4
- MEB572 Manufacturing Engineering 2 8 4
- MEB613 Mechanics 2 8 4
- MEB662 Fluid Power 8 4
  - Elective Unit (select from List A) 8 3

### Year 3, Semester 2
- MEB512 Noise & Vibrations 8 4
- MEB513 Stress Analysis 8 4
- MEB641 Automation 1 8 4
- MEB661 Tribology 8 4
- MEB672 Total Quality Management 8 3
  - Elective Unit (select from List B) 8 3

### Year 4, Semester 1
- FNB116 Financial Management for Engineers 8 2
- MEB711 Automation 2 8 4
- MEB801/1 Project 16 6
- MEB912 Finite Element Analysis 8 3
  - Elective Unit (select from List C) 8 3

### Year 4, Semester 2
- HRB111 Industrial Management 6 2
- MEB775 Technology Management 8 3
- MEB801/2 Project 24 8
  - Elective Unit (select from List D) 8 3

### Part-Time Course Structure for Normal Entry

#### Year 1, Semester 1
- BNB004 Technology & Society 8 3
- CEB184 Engineering Mechanics 1 8 3
- CHB002 Introduction to Engineering Chemistry\(^43\) (2) (1)
- MAB103 Introductory Engineering Mathematics\(^44\) (8) (3)
- MAB187 Engineering Mathematics 1A 8 4
- MEB181 Engineering Communication 8 4

#### Year 1, Semester 2
- MAB188 Engineering Mathematics 1B 8 4
- MEB134 Materials 1 8 3
- MEB213 Mechanics of Solids 8 4
- MEB282 Design 1 8 4

#### Year 2, Semester 1
- EEB101 Circuits & Measurements 8 3
- MEB430 Materials 3 8 4
- MEB352 Thermodynamics 1 8 4
- PHB134 Engineering Physics 1B 8 3

#### Year 2, Semester 2
- EEB209 Electrical Engineering 2M 8 3
- MEB111 Dynamics 8 3

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\(^{43}\) CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.

\(^{44}\) MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C.
<table>
<thead>
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<td>MEB661</td>
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<td>MEB775</td>
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</table>

**ELECTIVE LISTS**

**List A**
- MEB456 Air Conditioning
- MEB503 Special Topic 1
- MEB532 Advanced Materials
- MEB776 Design for Manufacturing 2

**List B**
- MEB602 Special Topic 2
- MEB682 Advanced Mechanical Design
- MEB873 Computer Integrated Manufacturing
- MEB952 Process Plant Design

**List C**
- MEB702 Special Topic 3
- MEB777 Operations Management
- MEB951 Energy & Environment
- MEB984 Design of Power Transmission Systems
### List D
- BNB003  Professional Practice in Asia/Pacific  8  3
- MEB803  Special Topic 4  8  3
- MEB811  Industrial Noise & Vibration  8  3
- MEB961  Fluid Systems Design  8  3

### Part-Time Course Structure for Articulation from Bachelor of Technology (ME35)

#### Year 1, Semester 1
- MAB487  Engineering Mathematics 2A  8  3
- MEB430  Materials 3  8  4
- MEB775  Technology Management  8  3

#### Year 1, Semester 2
- MAB488  Engineering Mathematics 2B  8  3
- MEB455  Thermodynamics 2  8  4
- MEB641  Automation 1  8  4

#### Year 2, Semester 1
- MEB554  Heat Transfer  8  4
- MEB613  Mechanics 2  8  4
- MEB711  Automation 2  8  4
- Elective Unit (select from List C)  8  3

#### Year 2, Semester 2
- MEB466  Fluids 2  8  4
- MEB483  Design 3  8  3
- MEB513  Stress Analysis  8  4
- Elective Unit (select from List D)  8  3

#### Year 3, Semester 1
- MEB662  Fluid Power  8  4
- MEB802/1  Project  16  6
- MEB912  Finite Element Analysis  8  3

#### Year 3, Semester 2
- MEB512  Noise & Vibrations  8  4
- MEB779  Engineering Project Appraisal  8  3
- MEB802/2  Project  16  6

### ELECTIVE LISTS

#### List C
- MEB702  Special Topic 3  8  3
- MEB777  Operations Management  8  3
- MEB951  Energy & the Environment  8  3
- MEB984  Design of Power Transmission Systems  8  3

#### List D
- BNB003  Professional Practice in Asia/Pacific  8  3
- MEB803  Special Topic 4  8  3
- MEB811  Industrial Noise & Vibration  8  3
- MEB961  Fluid Systems Design  8  3

#### Bachelor of Engineering (Mechanical) (ME47)  (Mid-year Entry)

See course requirements and notes relating to undergraduate courses.

**Location:** Gardens Point campus

**Course Duration:** 3.5 years full-time plus Summer School

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Mr Jack Laracy
Professional Recognition

This degree is recognised for the purpose of membership of the Institution of Engineers, Australia.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester immediately following each period of industrial experience/practice, submit to the Course Coordinator (through the Faculty Office), a report in the required format, describing the work carried out during the period of experience/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the Faculty Industrial Experience Officer in Room 602 O Block, Gardens Point campus and also from the Faculty Office.

Students should not formally enrol in industrial experience.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>BNBO04 Technology &amp; Society</td>
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<tr>
<td>CEB184 Engineering Mechanics 1</td>
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<tr>
<td>MAB103 Introductory Engineering Mathematics</td>
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<td>(3)</td>
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<tr>
<td>MAB187 Engineering Mathematics 1A</td>
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<td>MEB111 Dynamics</td>
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<td>PHB134 Engineering Physics 1B</td>
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<tr>
<td>MEB134 Materials 1</td>
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<tr>
<td>MEB181 Engineering Communication</td>
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</tbody>
</table>

Year 1, Summer School

| CHB002 Introduction to Engineering Chemistry | (2) | (1) |
| MAB188 Engineering Mathematics 1B | 8 | 4 |
| MEB213 Mechanics of Solids | 8 | 4 |
| MEB282 Design 1 | 8 | 4 |

Year 2, Semester 1

| EEB101 Circuits & Measurements | 8 | 3 |
| MAB487 Engineering Mathematics 2A | 8 | 3 |
| MEB314 Mechanics 1 | 8 | 4 |
| MEB352 Thermodynamics 1 | 8 | 4 |
| MEB363 Fluids 1 | 8 | 4 |
| MEB381 Design 2 | 8 | 3 |
| MEB430 Materials 3 | 8 | 4 |

Year 2, Semester 2

| EEB209 Electrical Engineering 2M | 8 | 3 |
| MAB488 Engineering Mathematics 2B | 8 | 3 |
| MEB334 Materials 2 | 8 | 4 |
| MEB455 Thermodynamics 2 | 8 | 4 |
| MEB466 Fluids 2 | 8 | 4 |
| MEB473 Manufacturing Engineering 1 | 8 | 4 |
| MEB483 Design 3 | 8 | 3 |

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45 MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C.

46 CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.
Year 3, Semester 1
MAB893  Engineering Mathematics 3  8  3
MEB554  Heat Transfer  8  4
MEB572  Manufacturing Engineering 2  8  4
MEB613  Mechanics 2  8  4
MEB662  Fluid Power  8  4
          Elective Unit (select from List A)  8  3

Year 3, Semester 2
MEB512  Noise & Vibrations  8  4
MEB513  Stress Analysis  8  4
MEB641  Automation 1  8  4
MEB661  Tribology  8  4
MEB672  Total Quality Management  8  3
          Elective Unit (select from List A)  8  3

Year 4, Semester 1
FNB116  Financial Management for Engineers  8  2
MEB711  Automation 2  8  4
MEB801/1  Project  16  6
MEB912  Finite Element Analysis  8  3
          Elective Unit (select from List B)  8  3

Year 4, Semester 2
HRB111  Industrial Management  6  2
MEB775  Technology Management  8  3
MEB801/2  Project  24  8
          Elective Unit (select from List C)  8  3

Elective Lists
List A
MEB456  Air Conditioning  8  3
MEB503  Special Topic 1  8  3
MEB532  Advanced Materials  8  3
MEB776  Design for Manufacturing 2  8  3

List B
MEB602  Special Topic 2  8  3
MEB682  Advanced Mechanical Design  8  3
MEB873  Computer Integrated Manufacturing  8  4
MEB952  Process Plant Design  8  3

List C
MEB702  Special Topic 3  8  3
MEB777  Operations Management  8  3
MEB951  Energy & Environment  8  3
MEB984  Design of Power Transmission Systems  8  3

List D
BNB003  Professional Practice in Asia/Pacific  8  3
MEB803  Special Topic 4  8  3
MEB811  Industrial Noise & Vibration  8  3
MEB961  Fluid Systems Design  8  3

Bachelor of Engineering (Medical) (ME46)
See course requirements and notes relating to undergraduate courses.
Location: Gardens Point campus
Course Duration: 4 years full-time
Total Credit Points: 396
Course Coordinator: Professor Mark Pearcy
Professional Recognition

Preliminary accreditation for the course has been received from the Institution of Engineers, Australia. Full accreditation will be sought when the course has produced its first graduates. If accreditation is granted, graduates will be professionally recognised to practise as biomedical engineers.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester immediately following each period of industrial experience/practice, submit to the Course Coordinator (through the Faculty Office) a report in the required format, describing the work carried out during the period of experience/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the Faculty Industrial Experience Officer in Room 602 O Block, Gardens Point campus and also from the Faculty Office.

Students should not formally enrol in industrial experience.

Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit</th>
<th>Contact</th>
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<tr>
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<tr>
<td>CEB184 Engineering Mechanics 1</td>
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<tr>
<td>CHB002 Introduction to Engineering Chemistry</td>
<td>8</td>
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<tr>
<td>CSB192 Introduction to Computing</td>
<td>12</td>
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<tr>
<td>EEB101 Circuits &amp; Measurements</td>
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<tr>
<td>LSB131 Anatomy</td>
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<td>MEB191 Engineering in the Medical Environment</td>
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<td>EEB209 Electrical Engineering 2M</td>
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<td>MEB111 Dynamics</td>
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<tr>
<td>MEB213 Mechanics of Solids</td>
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<td>PHB134 Engineering Physics 1B</td>
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<td>HMB274 Functional Anatomy</td>
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<td>MEB181 Engineering Communication</td>
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<td>MEB314 Mechanics 1</td>
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<td>MEB352 Thermodynamics 1</td>
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<td>MEB363 Fluids 1</td>
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<td>MEB134 Materials 1</td>
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<td>HMB362 Biomechanics 2</td>
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<tr>
<td>MAB488 Engineering Mathematics 2B</td>
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47 CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.

48 MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C.
MEB333  Biomaterials  8  3
MEB473  Manufacturing Engineering 1  8  4
MEB484  Bioengineering Design 1  8  3

Year 3, Semester 1
COB002  Professional Communication  6  3
MAB893  Engineering Mathematics 3  8  3
MEB465  Biofluids  8  3
PHB504  Instrumentation  8  3
Elective Unit (select from List A)  8  3

Year 3, Semester 2
EEB375  Electronics 1  8  4
MEB513  Stress Analysis  8  4
MEB580  Bioengineering Design 2  8  3
MEB641  Automation 1  8  4
MEB661  Tribology  8  4
Elective Unit (select from List A)  8  3

Year 4, Semester 1
FNB116  Financial Management for Engineers  8  2
MEB490/1  Project  8  3
MEB681  Bioengineering Design 3  8  3
MEB703  Reliability Maintenance Optimisation  8  3
PUB210  Occupational Health & Safety 1  8  4
Elective Unit (select from List C)  8  3

Year 4, Semester 2
HRB111  Industrial Management  8  2
MEB490/2  Project  8  3
MEB672  Total Quality Management  8  3
MEB891  Health Legislation in the Medical Environment  8  3
PUB211  Occupational Health & Safety 2  8  4
Elective Unit (select from List D)  8  3/4

ELECTIVE LISTS
List A
HMB614  Biophysical Bases of Movement Rehabilitation  8  3
HMB615  Exercise Physiology  8  3
MEB430  Materials 3  8  4

List B
HMB616  Psychology of Rehabilitation  8  3
HMB617  Workplace Health  8  3
MEB682  Advanced Mechanical Design  8  3

List C
HMB610  Clinical Measurement  8  3
HMB611  Human Performance  8  3
MEB572  Manufacturing Engineering 2  8  4
MEB780  Rehabilitation Equipment Design & Evaluation  8  3

List D
MEB802  Special Topic 4  8  3
MEB741  Maintenance Management & Technology  8  3
MEB892  Robotics in Health Care  8  3

Bachelor of Surveying (PS47)
See course requirements and notes relating to undergraduate courses.

Location: Gardens Point campus

Course Duration: 4 years full-time

Total Credit Points: 384
Standard Credit Points/Full-Time Semester: 48

Course Coordinator: To be advised

Professional recognition
This degree meets the educational requirements for registration and licensing by the Surveyors Board of Queensland and also satisfies the academic requirements for admission as a member of both the Institution of Surveyors (Australia) and the Australian Institute of Cartographers.

Special Course Requirements
Students must obtain at least 90 days' industrial experience in a surveying/mapping environment approved by the Course Coordinator.

Students must, not later than the fourth week of the semester immediately following each period of industrial employment/practice, submit to the Course Coordinator a report or diary in the required format, describing the work carried out during the period of employment/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the School Office or Faculty Industrial Employment Officer in Room 1006, ITE Building, Gardens Point campus.

Should employment exceed the minimum required, it is strongly recommended that these details also be recorded in the report or diaries and certified by the employer as a record of experience which may be used when seeking registration or licensing by the Surveyors Board. Students should not formally enrol in industrial experience.

Students may be required to attend field camps off-campus and/or practical sessions in the Moreton region.

Specialisations
There are two specialisations built into the course – Surveying and Mapping. Most units are common to both specialisations. However, in specific semesters, specialised units are to be undertaken in either Surveying or Mapping and these are highlighted in the course structure.

Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>CSB192 Introduction to Computing</td>
<td>8</td>
<td>3</td>
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<tr>
<td>MAB103 Introductory Engineering Mathematics 49</td>
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<tr>
<td>MAB187 Engineering Mathematics 1A</td>
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<tr>
<td>PHB172 Physics for Surveyors</td>
<td>8</td>
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<tr>
<td>PSB315 Land Administration 1</td>
<td>6</td>
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<tr>
<td>PSB325 Land Surveying 1</td>
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<td>3</td>
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<tr>
<td>PSB348 Seminar</td>
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<tr>
<td>Year 1, Semester 2</td>
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<tr>
<td>ESB229 Geology in the Built Environment</td>
<td>8</td>
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<td>MAB188 Engineering Mathematics 1B</td>
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<tr>
<td>PSB054 Environmental Science</td>
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<tr>
<td>PSB306 Cartography 1</td>
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<td>PSB316 Land Administration 2</td>
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<tr>
<td>PSB323 Land Studies 1</td>
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<tr>
<td>PSB326 Land Surveying 2</td>
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<td>Year 2, Semester 1</td>
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<tr>
<td>MAB494 Survey Mathematics 1</td>
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<td>MAB893 Engineering Mathematics 3</td>
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49 MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C.
MEB221 Engineering Science 1
PSB307 Cartography 2
PSB319 Land Administration 5
PSB327 Land Surveying 3
PSB342 Spatial Information Science 1
PSB902 Urban Planning 1

Year 2, Semester 2
CEB364 Engineering Science 2
MAB496 Survey Mathematics 2
PSB303 Analysis of Spatial Measurement 1
PSB308 Cartography 3
PSB317 Land Administration 3
PSB328 Land Surveying 4
PSB334 Photogrammetry 1

Year 3, Semester 1
MAB795 Survey Mathematics 3
PSB304 Analysis of Spatial Measurement 2
PSB309 Cartography 4
PSB329 Land Surveying 5
PSB333 Map Projections
PSB335 Photogrammetry 2
PSB346 Spheroidal Computations

Year 3, Semester 2
CEB464 Engineering Science 3
PSB310 Geodesy 1
PSB318 Land Administration 4
PSB320 Land Development Practice 1
PSB324 Land Studies 2
PSB330 Land Surveying 6
PSB336 Photogrammetry 3
PSB343 Spatial Information Science 2

Year 4, Semester 1
CEB564 Engineering Science 4
PSB339/1 Project
PSB321 Land Development Practice 2
PSB331 Land Surveying 7
PSB340 Remote Sensing 1
PBS344 Spatial Information Science 3
Elective Unit

Year 4, Semester 2
PSB322 Land Development Practice 3
PSB332 Land Surveying 8
PSB338 Professional Practice
PSB339/2 Project
PSB345 Spatial Information Science 4
Elective Units

ELECTIVE UNITS
Year 4, Semester 1
CNB367 Real Estate Accounting 1
CNB465 Property Investment Analysis 1
CNB565 Time Management
CNB567 Real Estate Market Analysis
CNB665 Property Management 1
PSB018 Land Use Generation
PSB319 Land Administration 5

50 This unit is to be undertaken by students in the Mapping strand only.
51 This unit is to be undertaken by students in the Surveying strand only.
Bachelor of Surveying (PS48) (Mid-year Entry)

See course requirements and notes relating to undergraduate courses.

Location: Gardens Point campus

Course Duration: 3.5 years full-time

Total Credit Points: 384

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: To be advised

Professional Recognition

This degree meets the educational requirements for registration and licensing by the Surveyors Board of Queensland and also satisfies the academic requirements for admission as a member of both the Institution of Surveyors (Australia) and the Australian Institute of Cartographers.

Special Course Requirements

Students must obtain at least 90 days industrial employment/practice in a surveying/mapping environment approved by the Course Coordinator.

Students must, not later than the fourth week of the semester immediately following each period of industrial employment/practice, submit to the Course Coordinator a report or diary in the required format, describing the work carried out during the period of employment/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the School Office or Faculty Industrial Employment Officer in Room 1006, ITE Building, Gardens Point campus. Should employment exceed the minimum required, it is strongly recommended that these details also be recorded in the report or diaries and certified by the employer as a record of experience which may be used when seeking registration or licensing by the Surveyors Board. Students should not formally enrol in industrial experience.

Students may be required to attend field camps off-campus and/or practical sessions in the Moreton region.

Specialisations

There are two specialisations built into the course – Surveying and Mapping. Most units are common to both specialisations. However, in specific semesters, specialised units are to be undertaken in either Surveying or Mapping and these are highlighted in the course structure.
## Course Structure

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<thead>
<tr>
<th>Year 1, Semester 2</th>
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<tbody>
<tr>
<td>ESB229 Geology in the Built Environment</td>
<td>8</td>
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<tr>
<td>MAB103 Introductory Engineering Mathematics</td>
<td>8</td>
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<tr>
<td>OR MAB187 Engineering Mathematics 1A</td>
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<tr>
<td>PSB054 Environmental Science</td>
<td>4</td>
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<tr>
<td>PSB306 Cartography 1</td>
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### Summer School

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<td>PSB303 Analysis of Spatial Measurement 1</td>
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<td>PSB308 Cartography 3</td>
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<tr>
<td>PSB342 Spatial Information Science 1</td>
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<td>PSB310 Geodesy 1</td>
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<td>PSB318 Land Administration 4</td>
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<td>PSB336 Photogrammetry 3</td>
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<th>Year 4, Semester 1</th>
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<td>CEB364 Engineering Science 4</td>
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<td>PSB321 Land Development Practice 2</td>
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52. **MAB103 Introductory Engineering Mathematics** is to be taken by those students not obtaining a SA or better in Queensland Maths C.

53. This unit is to be undertaken by students in the Surveying strand only.

54. This unit is to be undertaken by students in the Mapping strand only.
PSB331  Land Surveying 7  8  3
PSB339/1 Project  8  3
PSB340  Remote Sensing 1  6  3
PBS344  Spatial Information Science 3  8  3
Elective Unit  4

Year 4, Semester 2
PSB322  Land Development Practice 3  16  6
PSB332  Land Surveying 8  8  3
PSB338  Professional Practice  6  3
PSB339/2 Project  8  3
PSB345  Spatial Information Science 4  8  3
Elective Units  10

ELECTIVE UNITS
Year 4, Semester 1
CNB367  Real Estate Accounting 1  9  3
CNB465  Property Investment Analysis 1  8  3
CNB565  Time Management  8  3
CNB567  Real Estate Market Analysis  4  2
CNB665  Property Management 1  9  3
PSB018  Land Use Generation  4  2
PSB021  Conservation Theory  2  1
PSB319  Land Administration 5  6  3
PSB337  Photogrammetry 4  6  3
PSB902  Urban Planning 1  4  2

Year 4, Semester 2
CNB362  Property Agency  8  3
CNB368  Real Estate Accounting 2  8  3
CNB568  Real Estate Practice  5  2.5
CNB666  Property Management 2  8  3
PSB020  Land Use Policies  4  2
PSB032  Issues & Ethics  2  1
PSB059  Population & Urban Studies  6  3
PSB061  Impacts & Assessment  5  2
PSB063  Housing & Community Services  5  2
PSB311  Geodesy 2  6  3
PSB341  Remote Sensing 2  8  3
PSB347  Topics in Engineering Surveying  6  3

■ Bachelor of Technology (Civil) (CE31)

Location: Gardens Point campus

Course Duration:
Normal entry: 3 years full-time
Articulation from Associate Diploma: 3 years part-time

Standard Credit Points/Full-Time Semester:
Normal entry: 48
Articulation from Associate Diploma: 24

Course Coordinator: Dr Frank Bullen

Entry requirements

NORMAL ENTRY
Applicants must have completed Year 12 (or its equivalent) and, in addition, have obtained a minimum grade of Sound Achievement over four semester units in each of Senior English and Mathematics B (Mathematics 1, units 1, 2 and 3).

55 This unit is to be undertaken by students in the Surveying strand only.
56 This unit is to be undertaken by students in the Mapping strand only.
ARTICULATION FROM ASSOCIATE DIPLOMA

Applicants require an Associate Diploma in Civil Engineering from a university, TAFE college, or equivalent. Holders of Associate Diplomas from places other than QUT must have undertaken certain prerequisite units but may also seek exemptions.

Professional Recognition

Preliminary accreditation has been granted by the Institution of Engineers, Australia (IEAust). Further recognition for the course will be sought in accordance with IEAust regulations once the initial intake of students passes the halfway stage of the course. Full recognition will be obtained from the IEAust when the course produces its first graduates. When full recognition has been gained, graduates will be eligible for affiliate membership of the IEAust, providing them with official recognition as engineering technologists.

Full-Time Course Structure for Normal Entry

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Year 2, Semester 1</th>
<th>Year 3, Semester 1</th>
<th>Year 3, Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BNB004 Technology &amp; Society 8 3</td>
<td>CEB240 Soil Mechanics 1 8 3</td>
<td>CEBB21 Engineering Investigation, Analysis &amp; Reporting 8 4</td>
<td>CEB227 Concrete Structures I 8 3.5</td>
</tr>
<tr>
<td>CEB106 Experimental Design &amp; Analysis 8 3</td>
<td>CEB253 Structural Engineering 1 8 3</td>
<td>CEB307 Construction Practice 8 3.5</td>
<td>CEB226 Civil Projects B 8 4</td>
</tr>
<tr>
<td>CEB108 Applied Physics 8 4</td>
<td>CEB293 Civil Engineering Materials 8 3</td>
<td>CEB224 Advanced Civil Engineering Software 8 3</td>
<td>CEB225 Civil Project A 8 4</td>
</tr>
<tr>
<td>CEB184 Engineering Mechanics 1 8 3</td>
<td>CEB260 Fluid Mechanics 8 4</td>
<td>CEB370 Public Health Engineering 8 3.5</td>
<td>Elective Unit 8 3</td>
</tr>
<tr>
<td>CHB002 Introduction to Engineering Chemistry 2 1</td>
<td>MAB185 Introduction to Statistics 8 3.5</td>
<td>CEB221 Engineering Investigation, Analysis &amp; Reporting 8 4</td>
<td>CEB202 Concrete Structures I 8 3.5</td>
</tr>
<tr>
<td>MAB103 Introductory Engineering Mathematics(^{57}) 8 3</td>
<td>MAB188 Engineering Mathematics 1B 8 4</td>
<td>CEB307 Construction Practice 8 3.5</td>
<td>CEB226 Civil Projects B 8 4</td>
</tr>
<tr>
<td>MEB181 Engineering Communication 8 4</td>
<td>MAB187 Engineering Mathematics 1A 8 4</td>
<td>CEB224 Advanced Civil Engineering Software 8 3</td>
<td>Elective Unit 8 3</td>
</tr>
</tbody>
</table>

\(^{57}\) MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C.


Part-Time Course Structure – Articulation from Associate Diploma

Year 1, Semester 1

- CEB221 Engineering Investigation, Analysis & Reporting 8
- CEB294 Engineering Science 8
- CEB309 Construction Practice 8
- CHB002 Introduction to Engineering Chemistry 2
- MAB103 Introductory Engineering Mathematics 8

Year 1, Semester 2

- CEB261 Hydraulic Engineering 8
- CEB270 Environmental Science 8
- MAB187 Engineering Mathematics 1A 8

Year 2, Semester 1

- CEB225 Civil Projects A 8
- MAB185 Introduction to Statistics 8
- MAB188 Engineering Mathematics 1B 8

Year 2, Semester 2

- CEB202 Concrete Structures 8
- CEB241 Soil Mechanics 2 8
- CEB372 Environmental Technology 8

Year 3, Semester 1

- CEB204 Computer Applications 8
- CEB226 Civil Projects B 8
- CEB370 Public Health Engineering 8

Year 3, Semester 2

- CEB227 Civil Investigation Project 8
- CEB305 Construction Planning & Economics 8
- Elective Unit 8

ELECTIVE UNITS

- CEB313 Traffic Engineering 8
- CEB371 Water & Wastewater Systems 8
- CEB543 Environmental Geotechnology 8

OR

Any other approved unit from the BE course

Electives

Students’ elective programs are subject to approval by the Course Coordinator.

Students may choose approved elective units from civil engineering. Please refer to the Elective Units list for Bachelor of Engineering (Civil) (CE42).

Bachelor of Technology (Mechanical) (ME35)

Location: Gardens Point campus

Course Duration:

Normal entry: 3 years part-time

Articulation from Associate Diploma: 3 years part-time

58 Safety boots must be worn for practical exercises and field trips.
59 MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C.
60 This unit must be taken by students not obtaining at least a SA in Grade 12 Chemistry and Mathematics C.
**Standard Credit Points/Full-Time Semester:**
Normal entry: 48
Articulation from Associate Diploma: 24/32

**Course Coordinator:** Dr Andy Tan

**Entry Requirements**

**NORMAL ENTRY**
Applicants must have completed Year 12 or its equivalent and, in addition, have obtained a Sound Achievement or better over four semester units in each of Senior English and Mathematics B.

**ARTICULATION FROM ASSOCIATE DIPLOMA**
Applicants must hold an Associate Diploma in Mechanical Engineering or a Bachelor of Science in an appropriate discipline, e.g. Materials Science, Physics, or equivalent.

**Professional Recognition**
The Institution of Engineers, Australia (IEAust) has given the course provisional accreditation. Full recognition will be sought from the IEAust when the course produces its first graduates. When full recognition has been gained, graduates will be eligible for affiliate membership, providing them with official recognition as engineering technologists.

**Full-Time Course Structure for Normal Entry**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>BNB004 Technology &amp; Society</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CEB184 Engineering Mechanics 1</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHB002 Introduction to Engineering Chemistry&lt;sup&gt;61&lt;/sup&gt;</td>
<td>(2)</td>
<td>1</td>
</tr>
<tr>
<td>EEB101 Circuits &amp; Measurements</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MAB103 Introductory Engineering Mathematics</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PHB001 Introductory Physics</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>MEB181 Engineering Communication</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEB134 Materials 1</td>
<td>8</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAB187 Engineering Mathematics 1A</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>MEB111 Dynamics</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MEB175 Manufacturing Practice 1</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MEB213 Mechanics of Solids</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>MEB181 Engineering Communication</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEB134 Materials 1</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PHB134 Engineering Physics 1B</td>
<td>8</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAB188 Engineering Mathematics 1B</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>MEB275 Manufacturing Practice 2</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MEB314 Mechanics 1</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>MEB352 Thermodynamics 1</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>MEB363 Fluids 1</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>MEB612 Mechanical Measurement</td>
<td>8</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEB209 Electrical Engineering 2M</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MAB185 Introduction to Statistics</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MEB282 Design 1</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>MEB283 Computer Aided Design &amp; Drafting</td>
<td>8</td>
<td>4</td>
</tr>
</tbody>
</table>

<sup>61</sup> CHB002 *Introduction to Engineering Chemistry* is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.
MEB334  Materials 2
MEB473  Manufacturing Engineering 1

Year 3, Semester 1
HRB148  Managing People at Work
MEB355  Thermofluids
MEB381  Design 2
MEB501/1  Project
MEB572  Manufacturing Engineering 2
Elective Unit (select from List A)

Year 3, Semester 2
HRB149  Human Resources & Industrial Relations
MEB501/2  Project
MEB661  Tribology
MEB672  Total Quality Management
MEB741  Maintenance Management & Technology
Elective Unit (select from List B)

ELECTIVE LISTS
List A
MEB456  Air Conditioning
MEB503  Special Topic 1
MEB532  Advanced Materials
MEB776  Design for Manufacturing 2

List B
MEB602  Special Topic 2
MEB682  Advanced Mechanical Design
MEB783  Computer Integrated Manufacturing
MEB952  Process Plant Design

Part-Time Course Structure – Articulation from Associate Diploma
Year 1, Semester 1
MAB103  Introductory Mathematics 62
MAB187  Engineering Mathematics 1A
MEB363  Fluids 1
MEB612  Mechanical Measurement

Year 1, Semester 2
MAB188  Engineering Mathematics 1B
MEB111  Dynamics
MEB334  Materials 2

Year 2, Semester 1
MEB314  Mechanics 1
MEB352  Thermodynamics 1
MEB381  Design 2
Elective Unit (select from List A)

Year 2, Semester 2
MAB185  Introduction to Statistics
MEB672  Total Quality Management
MEB741  Maintenance Management & Technology
Elective Unit (select from List B)

Year 3, Semester 1
HRB148  Managing People at Work
MEB355  Thermofluids
MEB501/1  Project
MEB572  Manufacturing Engineering 2

62  MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C.
Year 3, Semester 2
HRB149  Human Resources & Industrial Relations  8  2
MEB501/2  Project  8  3
MEB661  Tribology  8  4

Elective List

List A
MEB456  Air Conditioning  8  3
MEB503  Special Topic 1  8  3
MEB532  Advanced Materials  8  3
MEB776  Design for Manufacturing 2  8  3

List B
MEB602  Special Topic 2  8  3
MEB682  Advanced Mechanical Design  8  3
MEB873  Computer Integrated Manufacturing  8  4
MEB952  Process Plant Design  8  3

Associate Diploma in Civil Engineering (CE21)

See course requirements and notes relating to undergraduate courses.

Course Discontinued: No further intakes. Years 4 is offered to continuing students on a part-time basis only.

Location: Gardens Point campus

Total Credit Points: 192
Standard Credit Points/Full-Time Semester: 48

Course Coordinator: To be advised

Professional Recognition
This course is recognised for associate membership of the Institution of Engineers, Australia, and membership of the Society of Engineering Associates and of the Institute for Drafting and Design, Australia.

Course Requirements/Notes
Generally a full-time student will gain 24 credit points by successfully completing eight practical experience units designated by the suffix ‘A’ after the unit name, and a part-time student will gain 24 credit points for successfully completing 120 weeks of approved industrial employment, that is, 15 weeks for each of the eight industrial employment units, before being eligible for the Associate Diploma award. However, a combination of practical experience units and industrial employment totalling 24 credit points will be accepted. Industrial employment units 4 to 8 must involve the student in civil engineering work.

Course Structure

<table>
<thead>
<tr>
<th>Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>GENERAL MAJOR (GEN)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 4, Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CET704  Civil Construction Practice</td>
<td>7</td>
<td>3</td>
</tr>
<tr>
<td>List B1 Elective Unit</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>List B2 Elective Unit</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Year 4, Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>List B1 Elective Unit</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Two List B2 Elective Units</td>
<td>14</td>
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</tr>
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</table>
WATER AND WASTEWATER PROCESS OPERATION MAJOR

Year 4, Semester 1

<table>
<thead>
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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET606</td>
<td>Construction Management</td>
<td>7</td>
</tr>
<tr>
<td>CET777</td>
<td>Process Operation &amp; Control 1</td>
<td>7</td>
</tr>
<tr>
<td>CHA744</td>
<td>Process Measurement &amp; Monitoring 2</td>
<td>7</td>
</tr>
</tbody>
</table>

Year 4, Semester 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET876</td>
<td>Plant Operation &amp; Maintenance</td>
<td>7</td>
</tr>
<tr>
<td>CET877</td>
<td>Process Operation &amp; Control 2</td>
<td>7</td>
</tr>
<tr>
<td>CHA844</td>
<td>Trade Waste Control</td>
<td>7</td>
</tr>
</tbody>
</table>

Industrial Employment Units (Part-Time only)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BNT100</td>
<td>Industrial Employment 1</td>
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</tr>
<tr>
<td>BNT200</td>
<td>Industrial Employment 2</td>
<td>3</td>
</tr>
<tr>
<td>BNT300</td>
<td>Industrial Employment 3</td>
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<tr>
<td>BNT400</td>
<td>Industrial Employment 4</td>
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<tr>
<td>BNT500</td>
<td>Industrial Employment 5</td>
<td>3</td>
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<tr>
<td>BNT600</td>
<td>Industrial Employment 6</td>
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<tr>
<td>BNT700</td>
<td>Industrial Employment 7</td>
<td>3</td>
</tr>
<tr>
<td>BNT800</td>
<td>Industrial Employment 8</td>
<td>3</td>
</tr>
</tbody>
</table>

List B1 Elective Units

FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET606</td>
<td>Construction Management (Evening)</td>
<td>7</td>
</tr>
<tr>
<td>CET655</td>
<td>Concrete &amp; Steel Design (Day)</td>
<td>7</td>
</tr>
<tr>
<td>CET887</td>
<td>Computer Aided Drafting (Evening)</td>
<td>7</td>
</tr>
<tr>
<td>EST219</td>
<td>Engineering Geology</td>
<td>7</td>
</tr>
</tbody>
</table>

SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET655</td>
<td>Concrete &amp; Steel Design (Evening)</td>
<td>7</td>
</tr>
<tr>
<td>CET787</td>
<td>Structural Engineering Drawing (Day)</td>
<td>7</td>
</tr>
<tr>
<td>CET887</td>
<td>Computer Aided Drafting (Day &amp; Evening)</td>
<td>7</td>
</tr>
<tr>
<td>HRX111</td>
<td>Safety &amp; Industrial Relations (Evening)</td>
<td>7</td>
</tr>
</tbody>
</table>

List B2 Elective Units

FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET703</td>
<td>Civil Engineering Practice 1</td>
<td>7</td>
</tr>
<tr>
<td>CET707</td>
<td>Municipal Engineering (Evening)</td>
<td>7</td>
</tr>
<tr>
<td>CET735</td>
<td>Advanced Laboratory Testing 163</td>
<td>7</td>
</tr>
<tr>
<td>CET797</td>
<td>Project 163</td>
<td>7</td>
</tr>
<tr>
<td>CHA145</td>
<td>Introductory Chemistry (Evening)</td>
<td>8</td>
</tr>
<tr>
<td>EST219</td>
<td>Engineering Geology</td>
<td>7</td>
</tr>
<tr>
<td>MET140</td>
<td>Engineering Materials 1</td>
<td>8</td>
</tr>
</tbody>
</table>

SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET420</td>
<td>Civil Systems 2</td>
<td>7</td>
</tr>
<tr>
<td>CET797</td>
<td>Project 163</td>
<td>7</td>
</tr>
<tr>
<td>CET802</td>
<td>Civil Engineering Practice 2</td>
<td>7</td>
</tr>
<tr>
<td>CET838</td>
<td>Advanced Laboratory Testing 2</td>
<td>7</td>
</tr>
<tr>
<td>CET856</td>
<td>Advanced Construction Techniques</td>
<td>7</td>
</tr>
<tr>
<td>CET888</td>
<td>Structural Drawing &amp; Design (Day)</td>
<td>7</td>
</tr>
</tbody>
</table>

Up to 21 credit points from other modes or strands of this course or from other QUT courses may be approved by the Course Coordinator as alternatives to the listed elective units. The number of elective units available depends on a sufficient number of students being enrolled.

Degree level units may be selected as electives with the approval of the Course Coordinator.

Students not following the normal course progression as listed must contact the Course Coordinator for re-enrolment advice.

63 Safety boots must be worn for practical exercises and field trips.
Courses

- Master of Business (Research) (BS92) ................................................................. 359
- Master of Business (BS93) .................................................................................. 361
- Master of Commerce (BS94) ................................................................................ 366
- Master of Business (Communication Studies) (BS88) ....................................... 368
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- Master of Business Administration (International) (GS80) .................................. 371
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- Graduate Diploma in Communication (BS72) .................................................... 377
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  - Accountancy Major ......................................................................................... 387
  - Banking and Finance Major ............................................................................. 393
  - Communication Major ..................................................................................... 398
  - Economics Major ............................................................................................. 402
  - Human Resource Management Major ............................................................. 406
  - International Business Core Major .................................................................. 417
  - Management Major .......................................................................................... 423
  - Marketing Core Major ..................................................................................... 432
FACULTY OF BUSINESS

Course Structures

- Master of Business (Research) (BS92)


Location: Gardens Point campus
Course Duration: 3 semesters full-time
              6 semesters part-time
Total Credit Points: 144 credit points (for entry without Honours)
                    96 credit points (for entry with Honours)

Course Coordinator: To be advised

Entry Requirements
There are two possible entry points to the Master of Business (Research). For those entering with an Honours degree, the Honours (at level IIB or better) must be relevant to the field of study in the Masters of Business (Research). For those entering from a pass degree, the entry requirement is an undergraduate degree with a major in an approved area plus, normally, a grade point average (GPA) of 5 or more.

Course Requirements
Students entering with an approved Honours degree are required to undertake a 96 credit point thesis. Students entering with a relevant pass degree will complete the following programs of study.

PROGRAM FOR ACCOUNTANCY, BANKING & FINANCE AND ECONOMICS
The following program will be completed:

<table>
<thead>
<tr>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
</tr>
<tr>
<td>12</td>
</tr>
<tr>
<td>12</td>
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<tr>
<td>12</td>
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<tr>
<td>12</td>
</tr>
<tr>
<td>12</td>
</tr>
<tr>
<td>12</td>
</tr>
</tbody>
</table>

(i) Compulsory Unit – All students
BSN500  Research Methods  12

(ii) Units in Accountancy
Two of the following units:
AYN500  Auditing Honours  12
AYN501  Commercial Law Honours  12
AYN502  Financial Accounting Honours  12
AYN503  Managerial Accounting Honours  12
AYN504  Taxation Policy Honours  12
OR

Units in Banking and Finance (Compulsory)
EFN504  Finance Honours  12
EFN505  Financial Risk Management  12
OR

Units in Economics (Compulsory)
EFN502  Developments in Microeconomic Theories  12
EFN500  Contemporary Macroeconomic Theories  12

(iii) Plus one elective
The elective unit for the Masters program may be taken from any 12 credit point postgraduate units offered by the Schools of Accountancy and Economics and Finance,
or by other schools within the Faculty of Business, subject to the approval of the Course Coordinator.

(iv) **Compulsory Thesis – All students**

BSN600 Thesis 96

**PROGRAM FOR HUMAN RESOURCES MANAGEMENT, INTERNATIONAL BUSINESS, MANAGEMENT & MARKETING.**

Under the umbrella of Management and Human Resource Management, students may undertake a specialisation in Industrial Relations, Public Sector Management or Organisational Futures. Students will need to have completed the relevant specialisation in their undergraduate degree. Details are available from the School Administration Officer, School of Management.

Under the umbrella of International Business, students may be able to take specialised studies in Industry Economics. Details are available from the School Administration Officer, School of Marketing and International Business.

(i) **Compulsory Units – All students**

BSN502 Research Methodology 12
BSN503 Research Seminars 12

(ii) Two units from the area of Honours study:

**Units in Human Resources Management (Compulsory)**

MGN506 Contemporary Issues in HRM 12
MGN508 HRM Cases 12
OR

**Units in International Business**

Two units from one of the following sets of units (approved by the Course Coordinator)

**International Business**

MIN403 Business in Asia 12
MIN404 Business in Europe 12
MIN405 Business in North America 12
MIN406 Comparative Regulatory Systems 12
MIN426 Special Topic – International Business 12

**Tourism**

MIN433 Tourism: National and International 12
MIN431 Tourism Development 12
MIN432 Tourism Marketing 12
Area Study (one from the list of approved units: MIN403, MIN404, MIN405) 12

**Arts and Culture**

MIN400 Arts Administration and Society 12
MIN430 The Arts Industry 12
MIN415 Marketing for Arts Administrators 12
MIN409 Fundraising Principles 12
MIN408 Fundraising Campaigns 12
OR

**Units in Management (Compulsory)**

MGN501 Readings in Management 12
MGN507 Contemporary Issues in Management 12
OR

**Units in Marketing**

Two of the following units (approved by the Course Coordinator)

MIN419 Seminars in Consumer Behaviour 12
MIN422 Seminar in Marketing Management 12
MIN413  Market and Business Research Methods  12
MIN421  Seminars in International Marketing  12
MIN423  Seminars in Product Innovation and Development  12
MIN414  Marketing Decision Systems  12
CON421  Seminars in Integrated Marketing Communication  12
MIN424  Seminars in Services Marketing  12
MIN425  Seminars in Strategic Marketing  12
MIN407  Contemporary Issues in Marketing  12
MIN411  Industry Competition and Network Analysis  12
MIN429  Strategic Marketing Management  12

(iii) Compulsory Thesis – All students
BSN600  Thesis  96

PROGRAM FOR COMMUNICATION
Research can be undertaken in the fields of Advertising, Organisational Communication and Public Relations.

(i) Compulsory Units
CON406  Communication Strategies  12
CON407  Communication Technology and Global Networks  12
CON500  Research Methods  12
CON501  Research Seminar  12

(ii) Compulsory Thesis
BSN600  Thesis  96

■ Master of Business (BS93)
Students can major in Communication, International Management or Marketing.

Location: Gardens Point campus

□ Communication Major

In the fields of Advertising (ADV), Organisational Communication (ORC) and Public Relations (PUR).

This program has been designed for students who have completed their undergraduate degree in the same area as their intended postgraduate studies.

Communication students undertake advanced coursework in theory and applications in a variety of topics with relevance to contemporary and emerging issues – including the globalisation of the world economy. Students can specialise in one of three strands: Advertising, Organisational Communication and Public Relations. The course is designed for completion in one calendar year consisting of three semesters.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON406 Communication Strategies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON407 Communication Technology &amp; Global Networks</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON402 Case Study Development</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON403 Communicating Breakthrough Service</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strand: ADV/ORC/PUR¹</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADV  CON419 Strategies for Creative Advertising</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ORC  CON401 Advanced Organisational Communication</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUR  CON414 Public Communication Campaigns</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

¹ Students must choose one strand: ADV, ORC or PUR and study all units in that strand.
Strand: ADV/ORC/PUR²
ADV  CON418 Seminar in Media Strategy  12  3
ORC  CON413 Issues in Intercultural Communication  12  3
PUR  CON409 Financial Communication  12  3
CON408 Crisis Communication  12  3
CON412 International Advertising  12  3

Semester 3
CON416 Readings in Communication  12  3
Elective Unit  12  3
CON405 Communication Project  24

Part-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON406 Communication Strategies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON407 Communication Technology &amp; Global Networks</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Semester 2
Strand: ADV/ORC/PUR²
ADV  CON419 Strategies for Creative Advertising  12  3
ORC  CON401 Advanced Organisational Communication  12  3
PUR  CON414 Public Communication Campaigns  12  3

Strand: ADV/ORC/PUR²
ADV  CON418 Seminar in Media Strategy  12  3
ORC  CON413 Issues in Intercultural Communication  12  3
PUR  CON409 Financial Communication  12  3

Semester 3
CON402 Case Study Development  12  3
CON403 Communicating Breakthrough Service  12  3

Semester 4
CON408 Crisis Communication  12  3
CON412 International Advertising  12  3

Semester 5
CON416 Readings in Communication  12  3
Elective Unit  12  3

Semester 6
CON405 Communication Project  24

☐ International Management Major

This degree examines the impact of an increasingly competitive global environment upon management and the organisation, whether they operate internationally or domestically. Specialisations are offered in the fields of International Business, Arts Administration, Fundraising, Industrial Relations, Management, Human Resource Management, Marketing, Public Sector Management and Tourism.

Course Duration
Six semesters part-time, spread over two or three years depending on the number of semesters undertaken per year. The course may be run on a full-time basis, depending upon demand. Please contact the School Administration Officer of the School of Marketing & International Business or the School of Management for details.

Total Credit Points: 144

² Students must choose one strand: ADV, ORC or PUR and study all units in that strand.
Standard Credit Points/Full-Time Semester: 48

Course Coordinator: To be advised

Entry Requirements
A degree, or equivalent, in Business or Commerce, with an approved specialisation. An appropriate undergraduate specialisation is required for entry to the specialised units. The availability of the sets of specialised units will depend upon demand.

Course Requirements
All students will undertake the compulsory units, and also select from one of the sets of four Specialised Units listed below, to a total of 48 credit points.

Schools may permit students, with the permission of the relevant Head of School and the Course Coordinator, to undertake a research project of up to 24 credit points in lieu of the Area Study in International Business unit and Elective.

<table>
<thead>
<tr>
<th>Part-Time Course Structure Over Two Years</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BSN408 Business &amp; the International Environment</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Specialisation 1</td>
<td>12</td>
<td>3</td>
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<tr>
<td><strong>Year 1, Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BSN400 Industry Analysis</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Specialisation 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 1, Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BSN402 Product &amp; Service Evaluation</td>
<td>12</td>
<td>3</td>
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<tr>
<td>BSN401 Management, the Organisation &amp; International Business</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 2, Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specialisation 3</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSN403 Product &amp; Service Innovation &amp; Development</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 2, Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Area Study in International Business OR Project</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective OR Project</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 2, Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BSN407 Strategic Business Analysis</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Specialisation 4</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

**Specialised Units**

**Marketing**

- MIN419 Seminars in Consumer Behaviour: 12, 3
- MIN422 Seminars in Marketing Management: 12, 3
- MIN413 Market & Business Research: 12, 3
- MIN421 International Marketing: 12, 3

**International Business**

Any two of the following three area studies units:

- MIN403 Business in Asia: 12, 3
- MIN404 Business in Europe: 12, 3
- MIN405 Business in North America: 12, 3
- AND
- MIN406 Comparative Regulatory Systems: 12, 3
- MIN46 Special Topic in International Business: 12, 3

**Tourism**

- MIN433 Tourism: National & International: 12, 3
- MIN431 Tourism Development: 12, 3
MIN432 Tourism Marketing 12 3
Area Study in International Business 12 3

**Arts and Culture**
MIN400 Arts Administration & Society 12 3
MIN415 Marketing for Arts Administrators 12 3
MIN430 The Arts Industry 12 3
AND
Elective approved by the Course Coordinator & Head of School

**Fundraising**
MIN408 Fundraising Campaigns 12 3
MIN409 Fundraising Principles 12 3
Any two electives approved by the Course Coordinator and the Head of School

**Languages Specialisation**
Students will be able to take four language units. The language units are those available for the undergraduate Bachelor of Business (International Business) program.

**Management**
MGN501 Readings in Management 12 3
MGN507 Contemporary Issues in Management 12 3
Plus two units from:
MGN502 Advanced Readings in Management I 12 3
MGN526 Advanced Readings in Management II 12 3
MGN524 Special Topic in Management I 12 3
MGN525 Special Topic in Management II 12 3
OR
Other postgraduate unit/s approved by the Course Coordinator

**Human Resource Management**
MGN505 Consulting & Change Management 12 3
OR
Other postgraduate unit/s approved by the Course Coordinator

**Industrial Relations**
MGN503 Advanced Theory & Comparativism 12 3
MGN512 Industrial Relations & Work Organisation 12 3
Plus two units from
MGN400 Australian Industrial Relations 12 3
MGN401 Comparative Industrial Relations 12 3
MGN405 Industrial Relations & the Economy 12 3
MGN407 Industrial Relations Strategies & Policies 12 3

**Public Sector Management**
MGN516 Policy Analysis 12 3
MGN517 Program Management & Evaluation 12 3
Plus two units from:
MIN401 Australian Foreign Affairs & Business 12 3
MIN406 Comparative Regulatory Systems 12 3
Area Study 12 3

With the approval of the Course Coordinator and Head of School, students may undertake up to 24 credit points as a project in lieu of the area study unit and/or elective.

BSN404 Project 1 12 3
BSN405 Project 2 12 3
BSN406 Project 3 24 6
Marketing Major

Course Duration
Six semesters part-time, spread over two or three years depending on the number of semesters undertaken per year. The course may be run on a full-time basis, depending upon demand. Please contact the School of Marketing & International Business’s School Administrative Officer for details.

Total Credit Points: 144

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: To be advised.

Entry Requirements
A degree, or equivalent, in Business or Commerce, with a specialisation in Marketing.

Course Requirements
All students will be required to undertake the Core Units listed below (marked with a *), totalling 96 credit points, and the 48 credit points of Specialised Marketing Units (marked with a #).

With the permission of the relevant Heads of School and the Course Coordinator, students may be permitted to undertake:
(i) a research project of up to 24 credit points in lieu of 24 credit points of Core or Specialised Units, or
(ii) up to 48 credit points of International Business Specialised Units, in lieu of the 48 credit points of Core or Specialised Units. This will provide a strong, international orientation to the program. The Specialised Units are marked #.

Full-Time Course Structure
Semester 1
MIN419 Seminars in Consumer Behaviour*
MIN422 Seminars in Marketing Management*
MIN424 Seminars in Services Marketing*
MIN421 Seminars in International Marketing*

Semester 2
MIN423 Seminars in Product Innovation & Development*
MIN414 Marketing Decision Systems*
MIN413 Market & Business Research Methods*
MIN407 Contemporary Issues in Marketing*

Semester 3
MIN425 Seminars in Strategic Marketing#
CON421 Seminars in Integrated Marketing Communication*
MIN411 Industry Competition & Network Analysis*
MIN429 Strategic Marketing Management#

Part-Time Course Structure for Those Completing in Two Years
Year 1, Semester 1
MIN419 Seminars in Consumer Behaviour*
MIN422 Seminars in Marketing Management*

Year 1, Semester 2
MIN423 Seminars in Production Innovation & Development*
MIN413 Market & Business Research Methods*

Year 1, Semester 3
MIN421 Seminars in International Marketing*
CON421 Seminars in Integrated Marketing Communication*
Year 2, Semester 1
MIN424  Seminars in Services Marketing*
MIN411  Industry Competition & Network Analysis*

Year 2, Semester 2
MIN414  Marketing Decision Systems*
MIN407  Contemporary Issues in Marketing#

Year 2, Semester 3
MIN425  Seminars in Strategic Marketing#
MIN429  Strategic Marketing Management#

International Business Specialised Units
The Area Studies and Tourism units listed below are intended for students wishing to develop a strong International or Tourism focus.

Area Studies
Up to four units from:
MIN403  Business in Asia
MIN404  Business in Europe
MIN405  Business in North America
MIN406  Comparative Regulatory Systems
MIN426  Special Topic in International Business

Tourism
MIN433  Tourism: National & International
MIN431  Tourism Development
MIN432  Tourism Marketing
  Area Study in International Business (one of the three listed above)

■ Master of Commerce (BS94)
With specialisations in the fields of Accountancy, Banking and Finance, Business and Taxation Law

Location: Gardens Point campus
Course Duration: 3 semesters full-time, 6 semesters part-time
Total Credit Points: 144
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: To be advised

Entry Requirements
Applications for admission to this degree
(a) shall hold a Bachelor of Business from QUT and shall have achieved a level of attainment in an appropriate discipline or disciplines considered by the Academic Board of the Faculty of Business to be acceptable for the purpose of proceeding to a degree of Master (currently GPA of 5),
  OR
(b) shall hold, from another tertiary institution or from QUT, qualifications approved by the Academic Board, on the recommendation of the Head of School responsible for the specialisation which the applicant seeks to study, as equivalent to the requirements set out in (a) above.

This course provides advanced level studies in Accountancy, Banking and Finance, and Business and Taxation Law. It assumes a knowledge of Australian business law, company law, taxation law, and accounting and auditing standards. Students (in particular those selecting the Accountancy or Business and Taxation Law specialisations) may be required
to take one or more undergraduate units in order to make good any deficiency in their qualifications to enter the course.

Course Requirements

Students are required to complete satisfactorily 12 units (144 credit points), which may include up to two Research Projects (Project I BSN404, Project II BSN405 – 12 credit points each) OR a 24 Credit Point Project (Project III BSN406).

Units

In selecting units, students may choose from three areas of specialisation: Accountancy, Banking and Finance, and Business and Taxation Law (see Lists One, Two, and Three respectively in the schedule of postgraduate units). The 12 units (144 credit points) must include one of the specialisations consisting of a major sequence of six units (72 credit points) from one of the three lists. A project in the relevant area of study may count as 2 units (24 credit points) towards a specialisation. The remaining credit points required for the degree may be chosen from any of the lists, and the unit BSN500 Research Methods.

Research Project

Students must complete BSN500 Research Methods as a prerequisite to enrolment in BSN409 Research Project. The project should reflect the application of theoretical analysis or problem-solving in Accountancy, Banking and Finance, or Business and Taxation Law. Students are advised to seek a topic, and to approach a supervisor, early in their program and to obtain the instruction guide on project presentation.

The project topic proposal must be presented at a seminar to Faculty staff in the semester prior to enrolling in the project. The project will be regarded as the equivalent of six formal hours per week (24 credit points). Part-time students are to enrol in one semester.

Schedule of Postgraduate Units

Units required for the degree may be chosen from Lists One, Two, Three and Four, depending on the options selected for the specialisation. In regard to the specialisations, the Research Project, if chosen, will count as two units (24 credit points) in the relevant area of specialisation; however, BSN500 Research Methods may not be counted towards a specialisation. Up to two minor projects (each 12 credit points) may be counted towards a specialisation.

<table>
<thead>
<tr>
<th>List One: Accountancy</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>AYN400 Accounting I (PY)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN401 Accounting II (PY)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN402 Accounting Information Systems (PY)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN404 Advanced Company Accounting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN407 Audit Sampling</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN408 Auditing (PY)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN409 Auditing Standards &amp; Practice</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN413 Computer Auditing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN415 External Reporting Issues</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN419 Financial Modelling</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN420 Financial Reporting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN423 Internal Auditing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN424 International Accounting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN429 Management Accounting (PY)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN430 Managerial Accounting Issues A</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AYN431 Managerial Accounting Issues B</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN432 Public Sector Accounting Issues</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AYN433 Special Topic – Public Accounting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN434 Special Topic – Managerial Accounting</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
AYN500 Auditing Honours 12 3  
AYN502 Financial Accounting Honours 12 3  
AYN503 Managerial Accounting Honours 12 3  

**List Two: Banking and Finance**  
AYN401 Accounting 2 (PY) 12 3  
AYN429 Managerial Accounting (PY) 12 3  
AYN430 Managerial Accounting Issues A 12 3  
AYN431 Managerial Accounting Issues B 12 3  
AYN503 Managerial Accounting Honours 12 3  
EFN400 Advanced Capital Budgeting 12 3  
EFN401 Advanced Financial Institutions Management 12 3  
EFN408 Special Topic – Finance 12 3  
EFN500 Contemporary Macroeconomic Theories 12 3  
EFN501 Corporate & Commercial Lending 12 3  
EFN502 Developments in Microeconomic Theories 12 3  
EFN503 Economic & Financial Modelling 12 3  
EFN504 Finance Honours 12 3  
EFN505 Financial Risk Management 12 3  
EFN506 International Finance 12 3  

**List Three: Business and Taxation Law**  
AYN405 Advanced Tax Planning 12 3  
AYN406 Advanced Taxation 12 3  
AYN421 Indirect Taxation 12 3  
AYN422 Insolvency & Reconstruction (PY) 12 3  
AYN425 International Taxation 12 3  
AYN426 Legal Environment of Business 12 3  
AYN427 Liquidations & Receivership 12 3  
AYN435 Taxation IA (PY) 12 3  
AYN436 Taxation IIB (PY) 12 3  
AYN437 Taxation II (PY) 12 3  
AYN440 Special Topic – Commercial Law 12 3  
AYN501 Commercial Law Honours 12 3  
AYN504 Taxation Policy Honours 12 3  

**List Four: Elective Research Based Units**  

**Major Project**  
BSN500 Research Methods 12  
AND  
BSN409 Research Project 24  

**Minor Projects**  
One or both of:  
BSN404 Project I 12  
BSN405 Project II 12  

Students may not select both the Major and Minor projects.  

A number of postgraduate units are equivalent in content to Professional Year (PY) units offered in the program.  

Professional Year units may be taken only by students enrolled for the Professional Year with the Institute of Chartered Accountants in Australia. Students not undertaking the PY may enrol in the equivalent postgraduate units, but should note that abnormal timetables apply. Credit cannot be gained for both a PY unit and its equivalent unit.  

■ Master of Business (Communication Studies) (BS88)  
In the fields of Advertising (ADV), Organisational Communication (ORC) and Public Relations (PUR).  

This course is designed for graduates in areas other than Communication.
The coursework covers communication theory and applications to a number of contemporary and emerging issues, including those related to the globalisation of the world economy. Students can specialise in one of three strands: Advertising, Organisational Communication and Public Relations.

This course is designed for completion in one calendar year consisting of three semesters.

**Location:** Gardens Point campus

**Course Duration:** 3 semesters full-time, 6 semesters part-time

**Total Credit Points:** 144

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** To be advised

**Entry Requirements**

An undergraduate degree from a recognised tertiary institution in any area other than Communication (i.e. ADV, ORC or PUR).

**Articulation**

Articulation with Graduate Diploma in Communication (BS72). Students who have successfully completed the Graduate Diploma in Communication would need to complete a further 48 credit points of study in order to gain a Master of Business (Communication Studies).

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON404 Communication Practice for Professionals</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON420 Theories of Human Communication</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Strand: ADV/ORC/PUR³

ADV CON417 Seminar in Advertising Management | 12 | 3 |
ORC CON410 Interpersonal Communication & Negotiation | 12 | 3 |
PUR CON415 Public Relations Management | 12 | 3 |
CON402 Case Study Development | 12 | 3 |

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV CON419 Strategies for Creative Advertising</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ORC CON401 Advanced Organisational Communication</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUR CON414 Public Communication Campaigns</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Strand: ADV/ORC/PUR³

ADV CON418 Seminar in Media Strategy | 12 | 3 |
ORC CON413 Issues in Intercultural Communication | 12 | 3 |
PUR CON409 Financial Communication | 12 | 3 |
Elective Unit | 12 | 3 |
Elective Unit | 12 | 3 |

<table>
<thead>
<tr>
<th>Semester 3</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CON406 Communication Strategies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON407 Communication Technology &amp; Global Networks</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON405 Communication Project</td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

### Part-Time Course Structure

**Semester 1**

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON404 Communication Practice for Professionals</td>
<td>12</td>
</tr>
</tbody>
</table>

³ Students must choose one strand: ADV, ORC or PUR and study all units in that strand.
Strand: ADV/ORC/PUR

ADV  CON417 Seminar in Advertising Management  12  3
ORC  CON410 Interpersonal Communication & Negotiation  12  3
PUR  CON415 Public Relations Management  12  3

Semester 2
Strand: ADV/ORC/PUR

ADV  CON419 Strategies for Creative Advertising  12  3
ORC  CON401 Advanced Organisational Communication  12  3
PUR  CON414 Public Communication Campaigns  12  3
    Elective Unit  12  3

Semester 3

CON420 Theories of Human Communication  12  3
CON402 Case Study Development  12  3

Semester 4
Strand: ADV/ORC/PUR

ADV  CON418 Seminar in Media Strategy  12  3
ORC  CON413 Issues in Intercultural Communication  12  3
PUR  CON409 Financial Communication  12  3
    Elective Unit  12  3

Semester 5

CON406 Communication Strategies  12  3
CON407 Communication Technology & Global Networks  12  3

Semester 6

CON405 Communication Project  24

Master of Business (Professional Accounting) (BS89)

Location: Gardens Point campus

Course Duration: 3 semesters full-time, 6 semesters part-time

Total Credit Points: 144

Standard Credit Points/Full-Time Semester: 48

Tuition Fees (domestic students): To be advised

Course Coordinator: To be advised

Entry Requirements

For Australian residents, an applicant should normally possess:

(i)  a bachelor degree qualification, except in accounting, from a recognised
     Australian or overseas institution

(ii) an academic record deemed to be suitable by the Head, School of Accountancy, or a
     nominated person, and

(iii) an appropriate standard of tertiary-level achievement in quantitative methods/statistics.
     A candidate who has not met this requirement must complete EFN409 Statistical
     Methods in addition to the normal course requirements.

For international students, as above, plus English language proficiency to an approved
standard.

Only non-accounting graduates will be admitted to this course.

4 Students must choose one strand: ADV, ORC or PUR and study all units in that strand.
Professional Recognition

Students completing the Master of Business (Professional Accounting) degree meet the academic requirements for Associate membership of the Australian Society of Certified Practising Accountants (ASCPA) and enrolment in the CPA examinations of the ASCPA and the Professional Year examinations of The Institute of Chartered Accountants in Australia.

Students must achieve grades of 4 or better in all units to meet the requirements of the professional bodies.

### Full-Time Course Structure

<table>
<thead>
<tr>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
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<td>Accounting Information Systems</td>
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### Part-Time Course Structure

<table>
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<th>Course Code</th>
<th>Course Title</th>
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<th>Contact Hrs/Wk</th>
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<td>6</td>
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<td>Taxation Law &amp; Practice</td>
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</table>

**Master of Business Administration (International) (GS80)**

**Location:** Gardens Point campus

**Course Duration:** 3 semesters full-time or 6 semesters part-time

The course can be undertaken on a part-time basis subject to the approval of the Dean.

**Total Credit Points:** 144
Standard Credit Points/Full-Time Semester: 48
Tuition Fees (Domestic Students): To be advised

Entry Requirements
For admission to the above degree an applicant should normally:
(i) hold a Bachelor Degree in Business, Commerce or Economics or equivalent, from a recognised university, or
(ii) hold qualifications acceptable to the Dean of the Faculty of Business.
For international students, as above, plus English language proficiency to an approved standard.

Full-Time Course Structure
With inclusion of a summer semester the course may be completed in one calendar year. Students should seek advice on the appropriate sequence for their program of study.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Core Units</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>GSN208</td>
<td>Personal Development &amp; Ethics for Managers</td>
<td>12</td>
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<td>GSN101</td>
<td>International Environment of Business</td>
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<tr>
<td>GSN106</td>
<td>Leading &amp; Managing Internationally</td>
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<tr>
<td>GSN104</td>
<td>International Management &amp; Business Organisation</td>
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<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Core Options</th>
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<tbody>
<tr>
<td>GSN102</td>
<td>International Finance &amp; Resource Management</td>
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<tr>
<td>GSN103</td>
<td>International Human Resource Management</td>
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</tr>
<tr>
<td>GSN107</td>
<td>Managing Innovation &amp; Enterprise Development</td>
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<tr>
<td>GSN201</td>
<td>Global Business Networks</td>
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<td>3</td>
</tr>
<tr>
<td>GSN105</td>
<td>International Marketing</td>
<td>12</td>
<td>3</td>
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<tr>
<td>GSN207</td>
<td>Organisational Analysis &amp; Consulting*</td>
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<table>
<thead>
<tr>
<th>Semester 3</th>
<th>Elective Study</th>
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<tr>
<td>GSN100</td>
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* Organisational Analysis and Consulting is a compulsory prerequisite for the industry placement.

Elective Units
Electives are drawn from existing core options (not already selected) and postgraduate business units or other approved postgraduate units.

Exemptions/Substitutions
No credit transfer from previous undergraduate studies. Substitutions permitted where previous undergraduate studies are equivalent to particular core and core option units (electives excluded). Credit transfer up to a maximum of six units (72 credit points) permitted from prior postgraduate studies where previous studies are equivalent.
Master of Business Administration (Professional) (GS81)

Course Duration: 3 semesters full-time, 6 semesters part-time

Total Credit Points: 144

Standard Credit Points/Full-time Semester: 48

Tuition Fees (Domestic Students): To be advised

Entry Requirements
For admission to the above degree an applicant should normally:
(i) hold a Bachelor Degree from a recognised university, and
(ii) have at least two years’ appropriate full-time work experience,
OR
(iii) hold qualifications acceptable to the Dean of the Faculty of Business.

Applicants should also have an appropriate standard of achievement in Quantitative Methods/Statistics at the tertiary level. It is strongly recommended that applicants who do not have an appropriate standard of achievement undertake an approved unit in Quantitative Methods/Statistics within their program of study.

For international students, as above, plus English language proficiency to an approved standard.

Full-Time Course Structure
With inclusion of a summer semester, the course may be completed in one calendar year. Students should seek advice on the appropriate sequence for their program of study.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>Foundation Units</td>
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<tr>
<td>GSN204 Management &amp; the Business Environment</td>
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<td>GSN208 Personal Development &amp; Ethics for Managers</td>
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<tr>
<td>Functional Units</td>
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<tr>
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<tr>
<td>GSN202 Managerial Accounting</td>
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<td>GSN203 Managerial Economics</td>
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<td>GSN206 Marketing</td>
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<td>GSN205 Managing Human Resources</td>
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<td>GSN201 Global Business Networks</td>
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<td>Elective Study</td>
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<tr>
<td>Students must complete elective coursework, projects or industry placement with a total combined value of 48 credit points.</td>
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</table>
Part-Time Course Structure

With inclusion of summer semesters, the course may be completed in a minimum of two calendar years.

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<tbody>
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<table>
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<td>GSN200 Business Strategies</td>
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<tr>
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<td>Elective Study</td>
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<tr>
<td>Students must complete elective coursework, projects or industry placement with a total combined value of 24 credit points.</td>
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</table>

Elective Units

Electives are drawn from Functional Units not already selected and postgraduate business units or other approved postgraduate units.

Exemptions/Substitutions

No credit transfer from previous undergraduate studies. Substitutions permitted where previous undergraduate studies are equivalent to particular Foundation, Functional or Capstone units (electives excluded). Credit transfer up to a maximum of six units (72 credit points) permitted from prior postgraduate studies where previous studies are equivalent.

Articulation

The MBA (Professional) articulates with QUT’s Graduate Diploma in Business Administration and Graduate Certificate in Management courses. The extent of articulation will depend upon units studied in these courses. Students may exit from the MBA (Professional) with an award of Graduate Certificate in Management or Graduate Diploma in Business Administration if they have fulfilled the requirements of one or other of these...
courses. They will need to compete again for admission if they wish to undertake the MBA at a later date.

Graduate Diploma in Advanced Accounting (BS70)

Location: Gardens Point campus

Course Duration: 2 semesters full-time, 4 semesters part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: To be advised

Entry Requirements

Applicants should hold a degree or a diploma from a recognised tertiary institution, with an appropriate major in Accounting. In the case of a diploma, additional work may be required.

This course provides advanced level studies in Accountancy, Banking and Finance, and Business and Taxation Law. It assumes a knowledge of Australian business law, company law, taxation law, and accounting and auditing standards.

Students may be required to take one or more undergraduate units in order to make good any deficiency in their qualifications to enter the postgraduate course.

Course Requirements

The student must complete eight units (96 credit points total). A minimum of six units must be selected from Lists One, Two and Three. Up to two postgraduate units may be selected from List Four or from any postgraduate units offered within QUT or elsewhere, subject to the approval of the Course Coordinator.

Course Structure

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<thead>
<tr>
<th>List One: Accounting</th>
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<td>AYN401 Accounting 2 (PY)</td>
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<td>AYN402 Accounting Information Systems</td>
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<td>AYN404 Advanced Company Accounting</td>
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<tr>
<td>AYN407 Audit Sampling</td>
<td>12</td>
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</tr>
<tr>
<td>AYN408 Auditing (PY)</td>
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<tr>
<td>AYN409 Auditing Standards &amp; Practice</td>
<td>12</td>
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<td>AYN413 Computer Auditing</td>
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<td>AYN415 External Reporting Issues</td>
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<td>AYN419 Financial Modelling</td>
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<td>AYN420 Financial Reporting</td>
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<td>AYN423 Internal Auditing</td>
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<td>AYN424 International Accounting</td>
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<td>AYN429 Management Accounting (PY)</td>
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<td>AYN430 Managerial Accounting Issues A</td>
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<td>AYN431 Managerial Accounting Issues B</td>
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<td>AYN432 Public Sector Accounting Issues</td>
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<td>AYN433 Special Topic – Public Accounting</td>
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<td>AYN434 Special Topic – Managerial Accounting</td>
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<td>AYN500 Auditing Honours</td>
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<td>AYN502 Financial Accounting Honours</td>
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List Two: Banking and Finance

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<tr>
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<tbody>
<tr>
<td>AYN401 Accounting 2 (PY)</td>
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<td>AYN429 Managerial Accounting (PY)</td>
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</table>
List Three: Business and Taxation Law
AYN405 Advanced Tax Planning 12 3
AYN406 Advanced Taxation 12 3
AYN421 Indirect Taxation 12 3
AYN422 Insolvency & Reconstruction (PY) 12 3
AYN425 International Taxation 12 3
AYN426 Legal Environment of Business 12 3
AYN427 Liquidations & Receivership 12 3
AYN435 Taxation IA (PY) 12 3
AYN436 Taxation IB (PY) 12 3
AYN437 Taxation II (PY) 12 3
AYN440 Special Topic - Commercial Law 12 3
AYN501 Commercial Law Honours 12 3
AYN504 Taxation Policy Honours 12 3

List Four: Electives
MAN009 Experimental Design & Statistical Analysis 12 3
MGN402 Government–Business Relations 12 3
MGN412 People in Organisations 12 3
MGN504 Business Policy 12 3

Professional Year Higher Degree Program
The Professional Year Higher Degree Program (PYHDP) allows people employed with a chartered accountant in public practice to complete their Professional Year (PY) studies at QUT within the Graduate Diploma in Advanced Accounting.

The PYHDP does not run independently of the PY program as offered by the Institute of Chartered Accountants in Australia (ICAA). QUT presents this program in accordance with the ICAA PY syllabus, program and timetable. Students must enrol with the ICAA as well as with QUT. Not only will they complete the same workshops and module examinations as other PY candidates, they will also be required to complete and pass internal assessment set by this University.

Students enrolled in the PYHDP must complete the following course of study:
AYN400 Accounting I (PY)
AYN401 Accounting II (PY)
AYN420 Financial Reporting
AYN435 Taxation IA (PY)
AYN436 Taxation IB (PY)
Elective Unit
Elective Unit

Plus one of:
AYN402 Accounting Information Systems (PY)
AYN408 Auditing (PY)
AYN422 Insolvency & Reconstruction (PY)
AYN429 Management Accounting (PY)
AYN437 Taxation II (PY)
Postgraduate units will be offered every year subject to staff availability and student numbers.

**Units Offered**

**Semester 1**

<table>
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<th>Units</th>
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<td>AYN405</td>
<td>Advanced Tax Planning</td>
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<td>AYN407</td>
<td>Audit Sampling</td>
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<td>Auditing Standards &amp; Practice</td>
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<tr>
<td>AYN429</td>
<td>Management Accounting (PY)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN430</td>
<td>Managerial Accounting Issues A</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AYN431</td>
<td>Managerial Accounting Issues B</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AYN435</td>
<td>Taxation IA (PY)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN500</td>
<td>Auditing Honours</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN501</td>
<td>Commercial Law Honours</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN502</td>
<td>Financial Accounting Honours</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN503</td>
<td>Managerial Accounting Honours</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN504</td>
<td>Taxation Policy Honours</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EFN400</td>
<td>Advanced Capital Budgeting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EFN500</td>
<td>Contemporary Macroeconomic Theories</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EFN501</td>
<td>Corporate &amp; Commercial Lending</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EFN502</td>
<td>Development in Microeconomic Theories</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EFN504</td>
<td>Finance Honours</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>AYN400</td>
<td>Accounting I (PY)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN402</td>
<td>Accounting Information Systems (PY)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN404</td>
<td>Advanced Company Accounting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN413</td>
<td>Computer Auditing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN415</td>
<td>External Reporting Issues</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN419</td>
<td>Financial Modelling</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN421</td>
<td>Indirect Taxation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN422</td>
<td>Insolvency &amp; Reconstruction (PY)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN423</td>
<td>Internal Auditing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN424</td>
<td>International Accounting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN426</td>
<td>Legal Environment of Business</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN427</td>
<td>Liquidations &amp; Receivership</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN432</td>
<td>Public Sector Accounting Issues</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN436</td>
<td>Taxation IB (PY) (Note: Classes begin in April)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN437</td>
<td>Taxation II (PY)</td>
<td>12</td>
<td>3</td>
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<tr>
<td>EFN401</td>
<td>Advanced Financial Institutions Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EFN408</td>
<td>Special Topic – Economics &amp; Finance</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EFN503</td>
<td>Economic &amp; Financial Modelling</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EFN505</td>
<td>Financial Risk Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EFN506</td>
<td>International Finance</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

**Graduate Diploma in Communication (BS72)**

In the fields of Advertising, Organisational Communication and Public Relations.

**Location:** Gardens Point campus

**Course Duration:** 2 semesters full-time, 4 semesters part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** To be advised
Entry Requirements
A degree from a recognised tertiary institution or equivalent.

SPECIAL ENTRY
A limited number of places will be available to practitioners in the relevant professions who, while possessing no formal degree, can demonstrate and document significant experiential grasp of their professions. These candidates will be senior members of their profession.

An applicant who does not meet the requirements for normal entry may present documentary evidence of qualifications, experience and other relevant information for special consideration.

Course Requirements
Bachelor of Business (Communication) graduates, if they enrol in the Graduate Diploma course, must select a major different from their undergraduate major. These students also undertake CON406 Communication Strategies instead of CON420 Theories of Human Communication, and CON407 Communication Technology and Global Networks instead of CON404 Communication Practice for Professionals.

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADVERTISING</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 1, Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CON404 Communication Practice for Professionals</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON420 Theories of Human Communication</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON417 Seminar in Advertising Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>COB315 Direct Response Advertising</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Year 1, Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CON419 Strategies for Creative Advertising</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON418 Seminar in Media Strategy</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Part-Time Course Structure

| Year 1, Semester 1         |               |                |
| CON404 Communication Practice for Professionals | 12 | 3 |
| CON420 Theories of Human Communication | 12 | 3 |
| Year 1, Semester 2         |               |                |
| CON419 Strategies for Creative Advertising | 12 | 3 |
| CON418 Seminar in Media Strategy | 12 | 3 |
| Year 2, Semester 1         |               |                |
| CON417 Seminar in Advertising Management | 12 | 3 |
| Elective Unit              | 12            | 3              |
| Year 2, Semester 2         |               |                |
| COB315 Direct Response Advertising | 12 | 3 |
| Elective Unit              | 12            | 3              |

ORGANISATIONAL COMMUNICATION

| Year 1, Semester 1         |               |                |
| CON404 Communication Practice for Professionals | 12 | 3 |
| CON410 Interpersonal Communication & Negotiation | 12 | 3 |
| CON420 Theories of Human Communication | 12 | 3 |
| Elective Unit              | 12            | 3              |
Year 1, Semester 2
CON401 Advanced Organisational Communication 12 3
CON413 Issues in Intercultural Communication 12 3
COB332 Issues in Publishing 12 3
Elective Unit

Part-Time Course Structure

Year 1, Semester 1
CON404 Communication Practice for Professionals 12 3
CON410 Interpersonal Communication & Negotiation 12 3

Year 1, Semester 2
CON401 Advanced Organisational Communication 12 3
CON413 Issues in Intercultural Communication 12 3

Year 2, Semester 1
CON420 Theories of Human Communication 12 3
Elective Unit 12 3

Year 2, Semester 2
COB332 Issues in Publishing 12 3
Elective Unit 12 3

PUBLIC RELATIONS

Year 1, Semester 1
COB329 Publicity Methods 12 3
CON404 Communication Practice for Professionals 12 3
CON415 Public Relations Management 12 3
CON420 Theories of Human Communication 12 3

Year 1, Semester 2
COB322 Public Communication Campaigns 12 3
CON409 Financial Communication 12 3
Elective Unit 12 3
Elective Unit 12 3

Part-Time Course Structure

Year 1, Semester 1
CON404 Communication Practice for Professionals 12 3
CON415 Public Relations Management 12 3

Year 1, Semester 2
COB322 Public Communication Campaigns 12 3
CON409 Financial Communication 12 3

Year 2, Semester 1
COB329 Publicity Methods 12 3
CON420 Theories of Human Communication 12 3

Year 2, Semester 2
Elective Unit 12 3
Elective Unit 12 3

Articulation with Masters Programs

Students who complete the Graduate Diploma in Communication can articulate into either the Master of Business – Communication Studies (for those students without an undergraduate degree in Communication) OR the Master of Business with a major in Communication (for those students with a Communication undergraduate degree). Students would need to complete a further 48 credit points of study in order to gain a Master of Business.
Graduate Diploma in Industrial Relations (BS74)

Course Duration: 2 semesters full-time, 4 semesters part-time
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: To be advised

Entry Requirements
To be eligible for admission, an applicant must hold an approved degree or equivalent from a recognised tertiary institution. However, there exists provision for special entry for people without a degree but with appropriate industrial relations experience.

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1, Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AYP401 Employment Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN401 Comparative Industrial Relations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN408 Industrial Relations Theory</td>
<td>12</td>
<td>3</td>
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<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGN400 Australian Industrial Relations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Year 1, Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AYP400 Australian Industrial Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN407 Industrial Relations Strategies &amp; Policies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN405 Industrial Relations &amp; the Economy</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGN406 Industrial Relations Processes</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Part-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1, Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AYP401 Employment Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN401 Comparative Industrial Relations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Year 1, Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AYP400 Australian Industrial Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN405 Industrial Relations &amp; the Economy</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Year 2, Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGN408 Industrial Relations Theory</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGN400 Australian Industrial Relations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Year 2, Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGN407 Industrial Relations Strategies &amp; Policies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGN406 Industrial Relations Processes</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Elective units to be selected from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGN409 Introduction to Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN412 People in Organisations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>GSN205 Managing HumanResources</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

and approved Occupational Health and Safety units.

Elective units are subject to approval by the Course Coordinator.
Graduate Diploma in Business Administration (GS70)

The GDBA is designed as a first course in business for people with work experience and a degree from another discipline. It provides general business administration education by taking its core units from the MBA (Professional) program. The elective unit component allows students to gain knowledge in specific areas.

Majors will be offered in a range of areas such as Accounting, Arts Administration, Human Resource Management, Management Marketing, Strategic Management and Fundraising.

Location: Gardens Point campus

Course Duration: 2 semesters full-time, 4 semesters part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Tuition Fees (Domestic Students): To be advised

Course Coordinator: To be advised

Course Location: Gardens Point campus. In-house delivery can be negotiated for business clients.

Entry Requirements:

A candidate for entry into the Graduate Diploma of Business Administration program should normally possess:

(i) an undergraduate degree in an area other than business from a recognised Australian or overseas institution, and

(ii) at least two years of appropriate full-time work experience or equivalent.

For international students, as above, plus English language proficiency to an approved standard.

Mature age applicants without a degree but with extensive work experience at senior level may be considered for special entry.

Course Structure

Consists of eight units of 12 credit points each. At least four of these units will be core units, the remainder will be electives. Core units and electives will be specified for each major, and will be available from the Graduate School office.

Articulation

This course articulates with the MBA (Professional). The extent of articulation will depend upon choice of elective units.

Graduate Certificate in Management (BS30)

Location: Gardens Point campus

Course Duration: 1 semester full time, 2 semesters part-time

Total Credit Points: 48

Standard Credit Points/Full-time Semester: 48

Tuition Fees (Domestic Students): To be advised

Location: Gardens Point campus, or in-house for corporate clients.

Course Coordinator: To be advised
Entry Requirements
A candidate for entry into the Graduate Certificate in Management should normally possess:
(i) a degree from a recognised Australian or overseas university, and
(ii) at least two years' full-time work experience or equivalent.
Applicants without a degree but with extensive experience at a senior level may be considered for special entry.

Course Structure
Graduate certificates normally consists of four units of 12 credit points each. A different combination of units is specified for each certificate option.

Course Options
A range of options is available, including: Accounting; Arts Administration; Human Resource Management; Management; Strategic Management; Writing, Editing & Publishing; Marketing; Fundraising.

Articulation
This course articulates with the GDBA and the MBA (Professional). The extent of articulation will depend upon the certificate option chosen and on elective choices within that option.

Bachelor of Business (Honours) (BS63)
Location: Gardens Point campus
Course Duration: 2 semesters full-time, 4 semesters part-time
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: To be advised

Entry Requirements
Applicants for admission to candidature for a Bachelor of Business (Honours) shall:
(i) hold a Bachelor of Business from QUT which includes a major in the area of intended Honours level study and shall have achieved a grade point average (GPA) of 5 or better in units studied in the three years of undergraduate study, OR
(ii) hold from QUT or another tertiary institution, qualifications approved by the Faculty of Business Academic Board as equivalent to the requirements set out in paragraph (i), OR
(iii) have other qualifications and experience which is considered by the Course Coordinator to qualify for admission.

Applications for admission to Honours will normally be at the end of the final year of the pass degree, or within 18 months of completing the pass degree.

Course Requirements
Students must complete four units (48 credit points) and a dissertation (48 credit points), as per the programs of study described below for the area of Honours study. Coursework units and dissertation will be graded on a 1–7 scale. The Course Coordinator, in conjunction with
dissertation examiners and supervisors will recommend awards of 1st class, 2nd class division A, 2nd class division B, or 3rd class Honours on the basis of GPA to the Academic Board.

PROGRAM FOR ACCOUNTANCY, ECONOMICS AND BANKING & FINANCE
Students must complete three prescribed units (36 credit points), one elective (12 credit points) and a dissertation (48 credit points).

(i) **Compulsory Unit – All Students**
BSN500 Research Methods

(ii) **Units in Accountancy**
Two of the following units:
AYN500 Auditing Honours
AYN501 Commercial Law Honours
AYN502 Financial Accounting Honours
AYN503 Managerial Accounting Honours
AYN504 Taxation Policy Honours

OR

**Units in Economics (Compulsory)**
EFN502 Developments in Microeconomic Theories
EFN500 Contemporary Macroeconomic Theories

OR

**Units in Banking and Finance (Compulsory)**
EFN504 Finance Honours
EFN505 Financial Risk Management

(iii) **Electives**
The elective unit may be taken from any level 4 or 5 postgraduate units offered by the Schools of Accountancy, and Economics and Finance, or by other Schools within the Faculty of Business, subject to the approval of the Course Coordinator or Head of School.

(iv) **Compulsory Dissertation – All Students**
BSN501 Dissertation (48 credit points)

PROGRAM FOR HUMAN RESOURCES MANAGEMENT, INTERNATIONAL BUSINESS, MANAGEMENT & MARKETING
Under the umbrella of Management and Human Resource Management, students may undertake a specialisation in Industrial Relations, Public Sector Management or Organisational Futures. Students will need to have completed the relevant specialisation in their undergraduate degree. Details are available from the School Administration Officer, School of Management.

Under the umbrella of International Business, students may be able to take specialised studies in Industry Economics. Details are available from the School Administration Officer, School of Marketing and International Business.

(i) **Compulsory Units – All Students**
BSN502 Research Methodology
BSN503 Research Seminars

(ii) **Two units from the area of Honours study:**

**Units in Human Resource Management (Compulsory)**
MGN506 Contemporary Issues in HRM
MGN508 HRM Cases

OR

**Units in International Business**
Two units from one of the following sets of units (approved by the Course Coordinator)
International Business
MIN403  Business in Asia
MIN404  Business in Europe
MIN405  Business in North America
MIN406  Comparative Regulatory Systems
MIN426  Special Topic – International Business

Tourism
MIN433  Tourism: National and International
MIN431  Tourism Development
MIN432  Tourism Marketing
Area Study (one from the list of approved units)

Arts and Culture
MIN400  Arts Administration and Society
MIN430  The Arts Industry
MIN415  Marketing for Arts Administrators
MIN409  Fundraising Principles
MIN408  Fundraising Campaigns

Units in Management (Compulsory)
MGN501  Readings in Management
MGN507  Contemporary Issues in Management

Units in Marketing
Two of the following units (approved by the Course Coordinator):
MIN419  Seminars in Consumer Behaviour
MIN422  Seminar in Marketing Management
MIN413  Market and Business Research Methods
MIN421  Seminars in International Marketing
MIN423  Seminars in Product Innovation and Development
MIN414  Marketing Decision Systems
CON421  Seminars in Integrated Marketing Communication
MIN424  Seminars in Services Marketing
MIN425  Seminars in Strategic Marketing
MIN407  Contemporary Issues in Marketing
MIN411  Industry Competition and Network Analysis
MIN429  Strategic Marketing Management

(iii)  Compulsory Dissertation – All Students
BSN501  Dissertation (48 credit points)

PROGRAM FOR COMMUNICATION
Students must complete four prescribed units (48 credit points) and a dissertation (48 credit points). Research can also be undertaken in the fields of Advertising, Organisational Communication, and Public Relations.

(i)  Compulsory Units
CON406  Communication Strategies
CON407  Communication Technology and Global Networks
CON500  Research Methods
CON501  Research Seminar

(ii)  Compulsory Dissertation
BSN501  Dissertation (48 credit points)

Bachelor of Business (BS56)

Note: Students enrolled in pre-1996 courses should consult the 1995 Handbook and course summary sheets for course details.

Location: Gardens Point campus
Course Duration: 3 years full-time, 6 years part-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: To be advised

Major Coordinators: All Major Coordinators to be advised

Special Requirements for the Bachelor of Business Degree in the Faculty of Business

☐ Except in exceptional circumstances, and with the approval of the Dean of Faculty, a full-time student may enrol only in units selected from those contained in the normal course program for Semesters 1 and 2 in the first year of study. Similarly, a part-time student may select units only from those listed for Years 1 and 2 in the first two years of study.

☐ Except with the approval of the Dean, a student must enrol for more than one unit in any semester.

☐ It is Faculty of Business policy that a grade of 4 or higher is required in prerequisite units before a student can enrol in further units.

☐ Copies of Faculty Rules and Procedures are available at the Business Enquiries Counter and distributed at Faculty orientation to all commencing students.

Course Requirements

Students commencing the Bachelor of Business must complete the following requirements:

(i) 24 units totalling 288 credit points

(ii) these units will comprise:

   (a) eight Faculty Core Units (as listed below)
   (b) the relevant block of six Major Core Units (outlined below)

   and one of the following:

   (c) (i) Extended Major (six units)
       OR
       (ii) Double Major (six units)
       OR
       (iii) Specialisation (six units)

   plus four electives or a minor of four units.

(a) FACULTY CORE UNITS

BSB110 Accounting
BSB111 Business Ethics
BSB112 Business Technology & Information
BSB113 Economics
BSB114 Government, Business & Society
BSB116 Marketing & International Business
BSB115 Management, People & Organisations
BSB117 Professional Communication & Negotiation

(b) MAJOR CORE UNITS

Accounting
AYB121 Financial Accounting
EFB101 Data Analysis for Business
AYB221 Computerised Accounting Systems
AYB120 Business Law
AYB220 Company Accounting
AYB301 Auditing
Banking and Finance
EFB101 Data Analysis for Business
EFB102 Economics II
EFB201 Australian Financial Markets
EFB210 Finance I
EFB307 Finance II
EFB312 International Finance & Economics

Communication
COB203 Communication Research Methods
COB213 Strategic Speech Communication
COB216 Theoretical Perspectives on Communication
COB217 Writing for the Communication Professions
COB309 Applied Communication Research
COB310 Communication Issues

Economics
EFB101 Data Analysis for Business
EFB102 Economics II
EFB202 Business Cycles & Economic Growth
EFB211 Firms, Markets & Resources
EFB305 Current Economic Policy Challenges
EFB314 International Trade & Economic Competitiveness

Human Resource Management
MGB100 Methods & Analysis
MGB207 Managing Human Resources
MGB211 Organisational Behaviour
MGB217 Training & Development I
MGB328 Work & Performance
MGB320 Recruitment & Selection I

International Business
BSB300 Management, the Firm & International Business
MIB202 Business & the World Economy
MIB203 Comparative Regulatory Systems
MIB211 Globalisation & Business

and any one of the following pairs of area study units:
MIB200 Asian Business Development
MIB317 Contemporary Business in Asia
MIB208 European Business Development
MIB300 Contemporary Business in Europe
MIB219 North American Business Development
MIB301 Contemporary Business in North America

Management
MGB100 Methods & Analysis
MGB207 Managing Human Resources
MGB210 Operations, Production & Service Management
MGB211 Organisational Behaviour
MGB303 Entrepreneurship
MGB309 Strategic Management

Marketing
EFB101 Data Analysis for Business
MIB204 Consumer Behaviour
MIB213 International Marketing
MIB217 Marketing Management
MIB305 Market Research
MIB315 Strategic Marketing

DEFINITIONS
Extended Major: an additional group of six specified units in the same discipline area as the major core.
Double Major: a second major core (six units).

Specialisation: a coherent group of six specified units in a discipline area.

Minor: a coherent group of four specified units in a discipline area.

Elective: a unit of 12 credit points chosen from any degree course at QUT. Electives may also be taken at other recognised universities if the student obtains written approval from the Course Coordinator.

**Accountancy Major (ACA)**

Course Duration: 3 years full-time, 6 years part-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Subject Area Coordinator: To be advised

Professional Recognition

Students completing the Bachelor of Business (Accountancy) degree satisfy the academic requirements for membership of various professional associations and statutory bodies.

The degree is recognised for membership as satisfying the academic requirements of the following associations and bodies: Australian Society of Certified Practising Accountants (ASCPA); Institute of Chartered Accountants in Australia (ICAA); Companies Auditors Board (CAB); Tax Agents Registration Board (TARB). The degree is also recognised for undergraduate membership by the Institute of Chartered Secretaries and Administrators (ICS&I) and also the Institute of Corporate Managers, Secretaries and Administrators (ICMS&I) provided students complete AYB305 Company Law and Practice, EFB307 Finance II, EFB308 Finance III and AYB321 Management Accounting Theory as electives.

Students completing the Extended Major in Professional Accounting or Business Law and Taxation meet the academic requirements for Associate membership of the Australian Society of Certified Practising Accountants (ASCPA) and enrolment in the CPA examinations of the ASCPA and the Professional Year (PY) examinations of The Institute of Chartered Accountants in Australia. Students completing the Business Computing Extended Major satisfy the requirements for Associate membership of the ASCPA and meet partially the academic requirements for Associate membership of the Australian Computer Society. To be eligible for enrolment in the CPA and PY examinations, such students must complete two additional units – AYB223 Law of Business Associations and AYB325 Taxation Law.

Students must achieve grades of 4 or better in all units to meet the requirements of the professional bodies.

**HONOURS YEAR (OPTIONAL)**

Refer to the course outline of BS63 for details.

**EXTENDED MAJOR IN PROFESSIONAL ACCOUNTING**

**Full-Time Course Structure**

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<tr>
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**Part-Time Course Structure**

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**Year 5, Semester 2**  
AYB311 Financial Accounting Theory 12 4  
OR  
AYB321 Management Accounting Theory 12 4  
Elective Unit 12 3  

**Year 6, Semester 1**  
EFB210 Finance I 12 4  
Elective Unit 12 3  

**Year 6, Semester 2**  
Elective Unit 12 3  
Elective Unit 12 3  

**EXTENDED MAJOR IN BUSINESS LAW AND TAXATION**

### Full-Time Course Structure

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<td>AYB223</td>
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**Year 2, Semester 2**

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<td>AYB225</td>
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<td>BSB117</td>
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**Year 3, Semester 1**

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**Year 3, Semester 2**

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### Part-Time Course Structure

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### Year 2, Semester 1
- **BSB116** Marketing & International Business  
- **BSB114** Government, Business & Society

### Year 2, Semester 2
- **BSB112** Business Technology & Information  
- **AYB120** Business Law

### Year 3, Semester 1
- **BSB111** Business Ethics  
- **AYB223** Law of Business Associations

### Year 3, Semester 2
- **AYB325** Taxation Law  
- **BSB115** Management, People & Organisations

### Year 4, Semester 1
- **AYB220** Company Accounting  
- **EFB101** Data Analysis for Business

### Year 4, Semester 2
- **AYB225** Management Accounting I  
- **BSB117** Professional Communication & Negotiation

### Year 5, Semester 1
- **AYB301** Auditing  
- **Extended Major Elective Unit**

### Year 5, Semester 2
- **AYB311** Financial Accounting Theory  
- **OR**  
- **AYB321** Management Accounting Theory  
- **Extended Major Elective Unit**

### Year 6, Semester 1
- **EFB210** Finance I  
- **Extended Major Elective Unit**

### Year 6, Semester 2
- **AYB221** Computerised Accounting Systems  
- **Extended Major Elective Unit**

### Extended Major Electives
- **AYB324** Taxation Disputes  
- **AYB303** Commercial & Securities Law  
- **AYB305** Company Law & Practice  
- **AYB316** Insolvency Law & Practice  
- **AYB314** Indirect Taxation  
- **AYB323** Tax Planning  
- **AYB326** Taxation of Business Entities  
- **AYB318** International Taxation

### EXTENDED MAJOR IN BUSINESS COMPUTING

### Full-Time Course Structure

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## Part-Time Course Structure

### Year 1, Semester 1
- BSB110 Accounting 12 4
- BSB113 Economics 12 3

### Year 1, Semester 2
- EFB102 Economics II 12 3
- AYB121 Financial Accounting 12 4

### Year 2, Semester 1
- BSB112 Business Technology & Information 12 4
- BSB114 Government, Business & Society 12 3

### Year 2, Semester 2
- BSB116 Marketing & International Business 12 3
- CSB155 Introduction to Computing 12 3

### Year 3, Semester 1
- BSB111 Business Ethics 12 3
- EFB101 Data Analysis for Business 12 3

### Year 3, Semester 2
- ITB221 Laboratory 3 (Commercial Programming) 12 3
- BSB115 Management, People & Organisations 12 3
- AYB225 Management Accounting I 12 4
- BSB117 Professional Communication & Negotiation 12 3

### Year 4, Semester 1
- AYB220 Company Accounting 12 4
- AYB221 Computerised Accounting Systems 12 4

### Year 4, Semester 2
- AYB225 Management Accounting I 12 4
- BSB117 Professional Communication & Negotiation 12 3

### Year 5, Semester 1
- ITB222 Systems Analysis & Design I 12 3
- AYB301 Auditing 12 3

### Year 5, Semester 2
- AYB311 Financial Accounting Theory 12 4
  - OR
  - AYB321 Management Accounting Theory 12 4
- ITB242 Decision Support Systems 12 3
- AYB309 Computer Security & Audit 12 3
- AYB120 Business Law 12 3
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SPECIALISATIONS FOR BUSINESS MAJORS

### Accounting

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<td>AYB225</td>
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### Business Law

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<tr>
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<tr>
<td>AYB325</td>
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<tr>
<td>AYB315</td>
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<td>AYB317</td>
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<tr>
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</tr>
<tr>
<td>AYB326</td>
<td>Taxation of Business Entities</td>
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CONCENTRATIONS FOR NON-BUSINESS MAJORS AVAILABLE FROM THE SCHOOL OF ACCOUNTANCY

### Accounting

<table>
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<td>AYB300</td>
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### Business Law

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Plus two of the following:

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<td>AYB326</td>
<td>Taxation of Business Entities</td>
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Banking and Finance Major (BKF)

Course Duration: 3 years full-time, 6 years part-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Subject Area Coordinator: To be advised

Professional Recognition

The degree is recognised as satisfying the academic requirements for Senior Associate Membership of the Australian Institute of Banking and Finance. If the units AYB305 Company Law and Practice, AYB223 Law of Business Associations and EFB308 Finance III are included as electives, students will satisfy the academic requirements for membership of the Chartered Institute of Company Secretaries in Australia.

HONOURS YEAR (OPTIONAL)

Refer to the course outline of BS63 for details.

BANKING AND FINANCE MAJOR

Full-Time Course Structure

<table>
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<th>Year, Semester</th>
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<th>Course Name</th>
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<td>BSB116</td>
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### Part-Time Course Structure

**Year 1, Semester 1**
- BSB112 Business Technology & Information 12 3
- BSB113 Economics 12 3

**Year 1, Semester 2**
- BSB115 Management, People & Organisations 12 3
- EFB102 Economics II 12 3

**Year 2, Semester 1**
- BSB116 Marketing & International Business 12 3
- BSB114 Government, Business & Society 12 3

**Year 2, Semester 2**
- EFB101 Data Analysis for Business 12 3
- BSB110 Accounting 12 3

**Year 3, Semester 1**
- BSB111 Business Ethics 12 3
- EFB210 Finance I 12 4

**Year 3, Semester 2**
- AYB225 Management Accounting I 12 3
- EFB200 Applied Regression Analysis
  OR
  Level 2 Finance Elective 12 3

**Year 4, Semester 1**
- EFB307 Finance II 12 4
- Elective 12

**Year 4, Semester 2**
- AYB120 Business Law 12 3
- BSB117 Professional Communication & Negotiation 12 3

**Year 5, Semester 1**
- EFB311 Financial Institutions Lending 12 3
- EFB201 Australian Financial Markets 12 3

**Year 5, Semester 2**
- Elective 12
- Elective 12

**Year 6, Semester 1**
- Elective 12
- AYB312 Financial Institutions Law
  OR
  Approved level 2 Finance Elective 12 3

**Year 6, Semester 2**
- EFB312 International Finance & Economics 12 3
- EFB310 Financial Institutions Control 12 3

**BANKING AND FINANCE MAJOR WITH A DOUBLE MAJOR IN ACCOUNTING**

**Professional Recognition**

This double major is recognised as satisfying the academic requirements for CPA level membership of the ASCPA. In addition, students will also satisfy all academic requirements for Senior Associate Membership of the Australian Institute of Banking and Finance.

The ASCPA will not accept a grade of 3 in the advanced core units for membership.

**HONOURS YEAR (OPTIONAL)**

Refer to the course outline of BS63 for details.
### Full-Time Course Structure

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### Part-Time Course Structure

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Year 4, Semester 1
AYB222 Company Accounting 12
EFB210 Finance I 12

Year 4, Semester 2
EFB307 Finance II 12
BSB117 Professional Communication & Negotiation 12

Year 5, Semester 1
AYB223 Law of Business Associations 12
EFB201 Australian Financial Markets 12

Year 5, Semester 2
AYB325 Taxation Law 12
EFB312 International Finance & Economics 12

Year 6, Semester 1
AYB311 Financial Accounting Theory 12
OR
AYB321 Management Accounting Theory 12
EFB311 Financial Institutions Lending 12

Year 6, Semester 2
EFB310 Financial Institutions Control 12
AYB301 Auditing 12

BANKING AND FINANCE MAJOR WITH A DOUBLE MAJOR IN ECONOMICS

Professional Recognition
Students completing this program can expect to gain admission to Senior Associate Membership of the Australian Institute of Banking and Finance as well as Professional Membership of the Economics Society of Australia (Qld).

HONOURS YEAR (OPTIONAL)
Refer to the course outline of BS63 for details.

Full-Time Course Structure

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AYB312  Financial Institutions Law
OR
Approved Level 2 Economics elective 12
Approved Level 2 Economics elective 12

Year 3, Semester 2
BSB117  Professional Communication & Negotiation 12 3
EFB312  International Finance & Economics 12 3
EFB310  Financial Institutions Control 12 3
Approved Finance Elective 12

Part-Time Course Structure

Year 1, Semester 1
BSB112  Business Technology & Information 12 3
BSB113  Economics 12 3

Year 1, Semester 2
EFB102  Economics II 12 3
BSB115  Management, People & Organisations 12 3

Year 2, Semester 1
BSB116  Marketing & International Business 12 3
BSB114  Government, Business & Society 12 3

Year 2, Semester 2
EFB101  Data Analysis for Business 12 3
BSB110  Accounting 12 3

Year 3, Semester 1
BSB111  Business Ethics 12 3
EFB211  Firms, Markets & Resources 12 3

Year 3, Semester 2
EFB314  International Trade & Economic Competitiveness 12 3
EFB305  Current Economic Policy Challenges 12 3

Year 4, Semester 1
EFB202  Business Cycles & Economic Growth 12 3
EFB210  Finance I 12 4

Year 4, Semester 2
EFB307  Finance II 12 4
AYB120  Business Law 12 3

Year 5, Semester 1
AYB312  Financial Institutions Law
OR
Level 2 Economics Elective 12 3
EFB201  Australian Financial Markets 12 3

Year 5, Semester 2
EFB310  Financial Institutions Control 12 3
EFB312  International Finance & Economics 12 3

Year 6, Semester 1
EFB311  Financial Institutions Lending 12 3
Level 2 Economics Elective 12

Year 6, Semester 2
Approved Finance Elective 12
BSB117  Professional Communication & Negotiation 12 3

APPROVED ECONOMICS AND FINANCE ELECTIVES
EFB100  Australian Economic History
EFB200  Applied Regression Analysis
EFB202  Business Cycles & Economic Growth
EFB201  Australian Financial Markets
EFB203  Business Forecasting
EFB204  Comparative Economic Systems
EFB205  Comparative Financial Systems
EFB207  Development of Economic Thought
EFB209  Environmental Economics: Issues & Policy
EFB210  Finance I
EFB211  Firms, Markets & Resources
EFB212  International Trade & Finance
EFB213  Introduction to Analytical Techniques for Business
EFB214  Mathematical Economic Applications
EFB215  Monetary Theory & Policy
EFB216  Special Topic – Economics
EFB217  Transport & Communication Economics
EFB302  Advanced Macroeconomics
EFB303  Advanced Microeconomics
EFB301  Advanced Lending
EFB304  Applied Econometric Techniques
EFB305  Current Economic Policy Challenges
EFB306  Economic Model Building
EFB307  Finance II
EFB308  Finance III
EFB309  Financial Derivatives
EFB312  International Finance & Economics
EFB314  International Trade & Economic Competitiveness
EFB315  Issues in Finance
EFB316  Labour Economics
EFB318  Portfolio & Security Analysis
EFB319  Public Sector Economics

☐ Communication Major (COMN)

■ Extended Major: Advertising (Denoted by ADV below)

Course Duration: 3 years full-time, 6 years part-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Subject Area Coordinator: To be advised

Professional Recognition:

The course is accredited by the Advertising Institute of Australia. It is also endorsed by the Advertising Federation of Australia, the Australian Association of National Advertisers and the Australian Direct Marketing Association. Graduates are eligible for Associate Membership (Dip) of the Advertising Institute of Australia.

■ Extended Major: Organisational Communication (Denoted by ORC below)

Course Duration: 3 years full-time, 6 years part-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Subject Area Coordinator: To be advised

Professional Recognition:

Graduates may become members of the Society of Business Communicators, Australian Institute of Training and Development and other similar professional organisations.

■ Extended Major: Public Relations (Denoted by PUR below)

Course Duration: 3 years full-time, 6 years part-time

Total Credit Points: 288
Standard Credit Points/Full-Time Semester: 48

Subject Area Coordinator: To be advised

Professional Recognition:

Students of the Public Relations Extended Major may, as a result of their choice of area of Major Study or Elective Study, meet the requirements of membership of a number of professional bodies. These could include the Public Relations Institute of Australia and the Society of Business Communicators, as well as associated and international bodies. Details of such memberships can be obtained through the School of Communication.

HONOURS YEAR (OPTIONAL)

Refer to the course outline of BS63 for details.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>BSB112 Business Technology &amp; Information</td>
<td>12</td>
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<tr>
<td>BSB115 Management, People &amp; Organisations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB117 Professional Communication &amp; Negotiation</td>
<td>12</td>
<td>3</td>
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<tr>
<td>BSB114 Government, Business &amp; Society</td>
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<th>Year 1, Semester 2</th>
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<tr>
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<tr>
<td>COB217 Writing for the Communication Professions</td>
<td>12</td>
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<tr>
<td>COB213 Strategic Speech Communication</td>
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<tr>
<td>BSB116 Marketing &amp; International Business</td>
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<tr>
<td>BSB113 Economics</td>
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<td>COB304 Advertising Copywriting</td>
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<td>ORC</td>
<td>COB204 Communication Technology for Organisations</td>
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<td></td>
<td>COB311 Communication Practice: Interpersonal &amp; Presentational Strategies</td>
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<td>PUR</td>
<td>COB325 Public Relations Theory &amp; Practice</td>
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<td>COB329 Publicity Methods</td>
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<td>BSB111 Business Ethics</td>
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<td>ORC</td>
<td>COB318 Organisational Communication</td>
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<tr>
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<td>COB208 Intercultural Communication &amp; Diversity</td>
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<td>COB327 Publication Management</td>
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<tr>
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<tr>
<td>ORC</td>
<td>COB314 Corporate Writing &amp; Editing</td>
<td>12</td>
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<td>PUR</td>
<td>COB324 Public Relations Issues &amp; Strategic Planning</td>
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Students must choose an Extended Major in Advertising, Organisational Communication or Public Relations and study the six units in that Extended Major.
### Year 3, Semester 2

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Plus one Extended Major unit: 6

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<tr>
<td>ADV</td>
<td>COB303 Advertising Campaigns</td>
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<td>ORC</td>
<td>COB313 Consulting for Communication Specialists</td>
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<td>PUR</td>
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### Part-Time Course Structure

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#### Year 1, Semester 2

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<td>BSB114</td>
<td>Government, Business &amp; Society</td>
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#### Year 2, Semester 1

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<td>COB217</td>
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#### Year 2, Semester 2

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<td>COB213</td>
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#### Year 3, Semester 1

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<td>COB216</td>
<td>Theoretical Perspectives on Communication</td>
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#### Year 3, Semester 2

Two Extended Major units: 6

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<td>ORC</td>
<td>COB204 Communication Technology for Organisations</td>
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<td>ORC</td>
<td>COB311 Communication Practice: Interpersonal &amp; Presentational Strategies</td>
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#### Year 4, Semester 1

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Plus one Extended Major unit: 6

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<th>Credits</th>
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<tbody>
<tr>
<td>ADV</td>
<td>COB317 Media Planning</td>
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<td>ORC</td>
<td>COB318 Organisational Communication</td>
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#### Year 4, Semester 2

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Plus one Extended Major unit: 6

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<th>Credits</th>
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<tbody>
<tr>
<td>ADV</td>
<td>COB315 Direct Response Advertising</td>
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<td>ORC</td>
<td>COB314 Corporate Writing &amp; Editing</td>
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</tr>
<tr>
<td>PUR</td>
<td>COB324 Public Relations Issues &amp; Strategic Planning</td>
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#### Year 5, Semester 1

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<tr>
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<tbody>
<tr>
<td>Elective 1</td>
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Plus one Extended Major unit: 6

<table>
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<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ADV</td>
<td>COB306 Advertising Management</td>
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<tr>
<td>ORC</td>
<td>COB208 Intercultural Communication &amp; Diversity</td>
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<td>PUR</td>
<td>COB326 Public Relations Writing</td>
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6 Students must choose an Extended Major in Advertising, Organisational Communication or Public Relations and study the six units in that Extended Major.
Year 5, Semester 2
COB309    Applied Communication Research
Elective 2  12  3

Year 6, Semester 1
COB310    Communication Issues
Plus one Extended Major unit:
ADV        COB303  Advertising Campaigns
ORC        COB313  Consulting for Communication Specialists
PUR        COB323  Public Relations Campaigns

Year 6, Semester 2
Elective 3  12  3
Elective 4  12  3

DISCIPLINARY SPECIALISATIONS FOR BACHELOR OF BUSINESS STUDENTS WITHOUT A COMMUNICATION MAJOR (6 UNITS)

Advertising
COB308    Advertising Theory & Practice
COB304    Advertising Copywriting
COB317    Media Planning
COB306    Advertising Management
COB315    Direct Response Advertising
COB303    Advertising Campaigns

Organisational Communication
COB217    Writing for the Communication Professions
OR
COB213    Strategic Speech Communication
COB216    Theoretical Perspectives on Communication
COB204    Communication Technology for Organisations
COB208    Intercultural Communication & Diversity
COB318    Organisational Communication
COB311    Communication Practice: Interpersonal & Presentational Strategies
OR
COB314    Corporate Writing & Editing

Public Relations
COB217    Writing for the Communication Professions
OR
COB213    Strategic Speech Communication
COB216    Theoretical Perspectives on Communication
COB325    Public Relations Theory & Practice
COB329    Publicity Methods
COB327    Publication Management
COB324    Public Relations Issues & Strategic Planning
OR
COB326    Public Relations Writing

CONCENTRATIONS FOR STUDENTS FROM OUTSIDE THE FACULTY OF BUSINESS (6 UNITS)

Advertising
BSB117    Professional Communication & Negotiation
COB217    Writing for the Communication Professions
OR
COB213    Strategic Speech Communication
COB216    Theoretical Perspectives on Communication
COB308    Advertising Theory & Practice
COB304    Advertising Copywriting
OR
COB317    Media Planning
COB306    Advertising Management

Students must choose an Extended Major in Advertising, Organisational Communication or Public Relations and study the six units in that Extended Major.
Organisational Communication
BSB117  Professional Communication & Organisation
COB216  Theoretical Perspectives on Communication
COB217  Writing for the Communication Profession
OR
COB213  Strategic Speech Communication
COB314  Corporate Writing & Editing
OR
COB311  Communication Practice: Interpersonal & Presentational Strategies
COB204  Communication Technology for Organisations
COB318  Organisational Communication

Public Relations
BSB117  Professional Communication & Negotiation
COB217  Writing for the Communication Professions
OR
COB213  Strategic Speech Communication
COB216  Theoretical Perspectives on Communication
COB325  Public Relations Theory & Practice
COB329  Publicity Methods
COB327  Publication Management
OR
COB324  Public Relations Issues & Strategic Planning

☐ Economics Major (ECO)
Course Duration: 3 years full-time, 6 years part-time
Total Credit Points: 288
Standard Credit Points/Full-Time Semester: 48
Subject Area Coordinator: To be advised

Professional Recognition
This degree satisfies the academic requirements for ordinary membership of the Economics Society of Australia and, with the completion of the extended major, for professional membership of the Queensland division of the Economics Society, the Chartered Institute of Transport, the Market Research Society and the Australian Marketing Institute. It also partially fulfills the requirements for membership of the Australian Institute of Banking and Finance (AIBF).

HONOURS YEAR (OPTIONAL)
Refer to the course outline of BS63 for details.

ECONOMICS MAJOR WITH AN EXTENDED MAJOR IN ADVANCED ECONOMIC ANALYSIS

<table>
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<tr>
<th>Full-Time Course Structure</th>
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<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
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<tr>
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<tr>
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EFB211  Firms, Markets & Resources  12  3
EFB202  Business Cycles & Economic Growth  12  3
Elective  12

**Year 2, Semester 2**
EFB314  International Trade & Economic Competitiveness  12  3
EFB305  Current Economic Policy Challenges  12  3
BSB117  Professional Communication & Negotiation  12  3
Elective  12

**Year 3, Semester 1**
EFB303  Advanced Microeconomics  12  3
EFB302  Advanced Macroeconomics  12  3
Elective  12
Elective  12

**Year 3, Semester 2**
EFB317  Microeconomic Reform  12  3
EFB313  International Macroeconomics  12  3
Elective  12
Elective  12

**Note:** At least two electives must be level 2 or level 3 Approved Economics Electives.

* Denotes Extended Major units.

### Part-Time Course Structure

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Year 6, Semester 1
Elective 12
Elective 12

Year 6, Semester 2
Elective 12
Elective 12

Note: At least two electives must be level 2 or level 3 Approved Economics Electives.

® Denotes Extended Major units.

ECONOMICS MAJOR WITH A DOUBLE MAJOR IN BANKING AND FINANCE

Professional Recognition
In addition to qualifying for ordinary membership of the Economic Society of Australia and professional membership of the Queensland division of the Economic Society, students completing this double major can also qualify for Senior Associate Membership of the Australian Institute of Banking and Finance by doing AYB120 Business Law and AYB312 Financial Institutional Law as electives.

HONOURS YEAR (OPTIONAL)
Refer to the course outline of BS63 for details.

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**Part-Time Course Structure**

**Year 1, Semester 1**
BSB112 Business Technology & Information | 12 | 3 |
BSB113 Economics | 12 | 3 |
### Year 1, Semester 2
- **EFB102** Economics II 12 3
- **BSB110** Accounting 12 3

### Year 2, Semester 1
- **BSB116** Marketing & International Business 12 3
- **EFB101** Data Analysis for Business 12 3

### Year 2, Semester 2
- **BSB115** Management, People & Organisations 12 3
- **BSB114** Government, Business & Society 12 3

### Year 3, Semester 1
- **EFB211** Firms, Markets & Resources 12 3
- **EFB202** Business Cycles & Economic Growth 12 3

### Year 3, Semester 2
- **BSB117** Professional Communication & Negotiation 12 3
  Elective 12 3

### Year 4, Semester 1
- **EFB210** Finance I 12 3
  Elective 12

### Year 4, Semester 2
- **BSB111** Business Ethics 12 3
- **EFB307** Finance II 12 3

### Year 5, Semester 1
- **EFB311** Financial Institutions – Lending 12 3
- **EFB201** Australian Financial Markets 12 3

### Year 5, Semester 2
- **EFB312** International Finance & Economics 12 3
- **EFB310** Financial Institutions Control 12 3

### Year 6, Semester 1
- Elective 12
  Elective 12

### Year 6, Semester 2
- **EFB305** Current Economic Policy Challenges 12 3
- **EFB314** International Trade & Economic Competitiveness 12 3

### SPECIALISATIONS

#### Requiring a Primary Major in Economics

1. **Analytical Techniques for Business**
   - **EFB213** Introduction to Analytical Techniques for Business
   - **EFB200** Applied Regression Analysis
   - **EFB203** Business Forecasting
   - **EFB214** Mathematical Economic Applications
   - **EFB304** Applied Econometric Techniques
   
   Plus any approved Economics or Banking & Finance Elective (subject to prerequisites).

#### Not requiring the Economics Primary Major

2. **Analytical Techniques for Business**
   - **EFB101** Data Analysis for Business
   - **EFB213** Introduction to Analytical Techniques for Business
   - **EFB200** Applied Regression Analysis
   - **EFB304** Applied Econometric Techniques
   - **EFB203** Business Forecasting
   
   Plus any approved Economics or Banking & Finance Elective (subject to prerequisites).

3. **Economic Policy**
   - **EFB102** Economics II
   - **EFB211** Firms, Markets & Resources
EFB202  Business Cycles & Economic Growth
Plus three other Economics Electives (subject to prerequisites).

APPROVED ECONOMICS AND FINANCE ELECTIVES

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<td>EFB207</td>
<td>Development of Economic Thought +</td>
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<td>EFB209</td>
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<td>EFB319</td>
<td>Public Sector Economics</td>
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* Suitable as electives in specialisation 3 above.

**Human Resource Management Major (HRM)**

**Course Duration:** 3 years full-time, 6 years part-time

**Total Credit Points:** 288

**Standard Credit Points/Full-Time Semester:** 48

**Subject Area Coordinator in Human Resource Management:** To be advised

**Course Information**

The Human Resource Management major is one of the two majors offered by the School of Management.

Having selected this major core, students may elect to:

- undertake an extended major building on this major core
- complement this major core with studies in Industrial Relations, Organisational Futures or Public Sector Management
- undertake a double major taking both Management and Human Resource Management major cores, with specified adjustments for common units;
- look more broadly across the Faculty’s offerings with a view to selecting another major or disciplinary specialisation from outside the School of Management to complement this major.
Professional Recognition

This major satisfies the academic requirements for membership of the Australian Human Resources Institute, the Australian Institute of Management and the Australian Institute of Training and Development. Maximum time credit towards chartered membership grading of the Australian Human Resources Institute can be achieved by completion of several additional units or by completion of the extended major in Human Resource Management.

HONOURS YEAR (OPTIONAL)
Refer to the course outline of BS63 for details.

EXTENDED MAJOR IN HUMAN RESOURCE MANAGEMENT

Full-Time Course Structure

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® These units comprise the extended major in Human Resource Management.

Part-Time Course Structure

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<th>Year 6, Semester 2</th>
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<tbody>
<tr>
<td>MGB305 Human Resource Management Strategy &amp; Policy®</td>
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<tr>
<td>MGB325 Training &amp; Development II®</td>
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<tr>
<td>MGB307 International Human Resource Management®</td>
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<tr>
<td>MGB202 Equity at Work®</td>
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</tr>
<tr>
<td>MGB313 Organisational Change &amp; Development®</td>
<td>12 3</td>
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</tbody>
</table>

*These units comprise the extended major in Human Resource Management.

- **Human Resource Management Major with Specialisation in Industrial Relations**

Subject Area Coordinator in Industrial Relations: To be advised.

Course Information
This specialisation in Industrial Relations is designed to provide students with industrial relations skills, knowledge and understanding. It complements the HRM major by focusing on important aspects of industrial relations in Australia including workplace bargaining.
wage determination and the relevant legislation and strategies. This is important because of the developments in linking HRM and Industrial Relations management in practice.

**Professional Recognition**

Graduates are eligible to join the Industrial Relations Society and the Australian Human Resources Institute.

**HONOURS YEAR (OPTIONAL)**

Refer to the course outline of BS63 for details.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>BSB115 Management, People &amp; Organisations</td>
<td>12</td>
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<tr>
<td>BSB114 Government, Business &amp; Society</td>
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<td>BSB117 Professional Communication &amp; Negotiation</td>
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<tr>
<td>BSB112 Business Technology &amp; Information</td>
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<tbody>
<tr>
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<td>BSB113 Economics</td>
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<tr>
<td>MGB207 Managing Human Resources</td>
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<tr>
<td>MGB211 Organisational Behaviour</td>
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<tr>
<td>MGB328 Work &amp; Performance</td>
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<tr>
<td>MGB201 Employment Regulation &amp; Administration*</td>
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<td>MGB217 Training &amp; Development I</td>
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<tr>
<td>MGB320 Recruitment &amp; Selection I</td>
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<tr>
<td>MGB204 Industrial Relations®</td>
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<td>MGB312 Negotiation &amp; Collective Bargaining®</td>
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<td>Elective</td>
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</table>

**Plus one unit from:**

- MGB209 Occupational Health & Safety Management®* | 12 | 3 |
- MGB327 Wages & Employment** | 12 | 3 |
- Elective** | 12 |   |

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**Plus one unit from:**

- MGB308 International Industrial Relations** | 12 | 3 |
- MGB202 Equity at Work®* | 12 | 3 |
- MGB301 Advocacy®* | 12 | 3 |
- Elective®* | 12 |   |

* These units comprise the specialisation in Industrial Relations.

* *One unit must be taken to complete the Industrial Relations specialisation.

** *One unit only of these electives must be taken, not both (i.e. a maximum of four electives).

### Part-Time Course Structure

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<td>MGB204 Industrial Relations*</td>
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Plus one unit from:
- MGB209 Occupational Health & Safety Management** | 12 | 3 |
- MGB327 Wages & Employment** | 12 | 3 |
- Elective** | 12 |

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Plus one unit from:
- MGB308 International Industrial Relations** | 12 | 3 |
- MGB301 Advocacy** | 12 | 3 |
- MGB202 Equity at Work** | 12 | 3 |
- Elective** | 12 |

* These units comprise the specialisation in Industrial Relations.
* One unit must be taken to complete the Industrial Relations specialisation.
** One unit only of these electives must be taken, not both (i.e. a maximum of four electives).

Human Resource Management Major with Specialisation in Organisational Futures

Note: The Organisational Futures Disciplinary Specialisation will commence in 1997.

Subject Area Coordinator in Organisational Futures: To be advised.

Course Information

Specialisation in Organisational Futures is designed to give students a strong grounding in change management knowledge and skills and in organisational theory and design. This
specialisation is future-oriented, focusing on the future of work and organisation and the challenges this implies for managers, workers, organisations and industries.

**HONOURS YEAR (OPTIONAL)**
Refer to the course outline of BS63 for details.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Title</th>
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<td>Recruitment &amp; Selection I</td>
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<td>MGB326</td>
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<td>Year 3, Semester 1</td>
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<td>MGB314</td>
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@ These units comprise the specialisation in Organisational Futures.

### Part-Time Course Structure

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<th>Course Code</th>
<th>Course Title</th>
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Year 3, Semester 2
BSB111  Business Ethics  12  3
MGB217  Training & Development I  12  3

Year 4, Semester 1
MGB328  Work & Performance  12  3
MGB212  Perspectives on Organisations®  12  3

Year 4, Semester 2
MGB320  Recruitment & Selection I  12  3
MGB326  Understanding Organisations®  12  3

Year 5, Semester 1
MGB302  Cooperative Organisation®  12  3
MGB314  Organisational Consulting & Counselling®  12  3

Year 5, Semester 2
Elective  12
Elective  12

Year 6, Semester 1
Elective  12
Elective  12

Year 6, Semester 2
MGB324  The Virtual Organisation®  12  3
MGB313  Organisational Change & Development®  12  3

* These units comprise the specialisation in Organisational Futures.

☐ Human Resource Management Major with Specialisation in Public Sector Management

Subject Area Coordinator in Public Sector Management: To be advised.

Course Information
The specialisation in Public Sector Management complements the Human Resource Management Major in the School of Management. Building on the major core, it offers an integrated core of units which develop specific skills and knowledge relevant to the public sector.

Professional Recognition
The Royal Institute of Public Administration acknowledges the appropriateness of this specialisation for the study of Public Sector Management. Subject to the choice of suitable elective units, the specialisation satisfies requirements for membership of the Australian Human Resource Institute (AHRI).

HONOURS YEAR (OPTIONAL)
Refer to the course outline of BS63 for details.

Full-Time Course Structure

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Year 2, Semester 1
BSB110  Accounting  12  3
MGB100  Methods & Analysis  12  3
MGB328  Work & Performance  12  3
MGB205  Machinery of Government®  12  3

Year 2, Semester 2
BSB111  Business Ethics  12  3
MGB217  Training & Development I  12  3
MGB320  Recruitment & Selection I  12  3
MGB203  Government—Management Interface®  12  3

Year 3, Semester 1
MGB318  Public Policy®  12  3
MGB317  Political & Administrative Analysis®  12  3
Elective  12
Elective  12

Year 3, Semester 2
MGB213  Public Sector Management®  12  3
MGB316  Policy Implementation & Evaluation®  12  3
Elective  12
Elective  12

* These units comprise the specialisation in Public Sector Management.

Part-Time Course Structure

Year 1, Semester 1
BSB115  Management, People & Organisations  12  3
BSB114  Government, Business & Society  12  3

Year 2, Semester 1
BSB117  Professional Communication & Negotiation  12  3
BSB112  Business Technology & Information  12  3

Year 2, Semester 2
MGB207  Managing Human Resources  12  3
MGB211  Organisational Behaviour  12  3

Year 3, Semester 1
BSB110  Accounting  12  3
MGB100  Methods & Analysis  12  3

Year 3, Semester 2
BSB111  Business Ethics  12  3
MGB217  Training & Development I  12  3

Year 4, Semester 1
MGB328  Work & Performance  12  3
MGB205  Machinery of Government®  12  3

Year 4, Semester 2
MGB320  Recruitment & Selection I  12  3
MGB203  Government—Management Interface®  12  3

Year 5, Semester 1
MGB318  Public Policy®  12  3
Elective  12

Year 5, Semester 2
MGB213  Public Sector Management®  12  3
Elective  12

Year 6, Semester 1
MGB317  Political & Administrative Analysis®  12  3
Elective  12
**Year 6, Semester 2**

MGB316  Policy Implementation & Evaluation®  12  3  
Elective  12

® These units comprise the specialisation in Public Sector Management.

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**Double Major: Human Resource Management Major and Management Major**

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<td>BSB116  Marketing &amp; International Business</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB113  Economics</td>
<td>12</td>
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</tr>
<tr>
<td>MGB207  Managing Human Resources</td>
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<tr>
<td>MGB211  Organisational Behaviour</td>
<td>12</td>
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<tr>
<td><strong>Year 2, Semester 1</strong></td>
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<td></td>
</tr>
<tr>
<td>BSB110  Accounting</td>
<td>12</td>
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</tr>
<tr>
<td>MGB100  Methods &amp; Analysis</td>
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<tr>
<td>MGB210  Operations, Production &amp; Service Management®</td>
<td>12</td>
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</tr>
<tr>
<td>MGB328  Work &amp; Performance</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 2, Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BSB111  Business Ethics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGB217  Training &amp; Development I</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGB320  Recruitment &amp; Selection I</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGB206  Management &amp; Organisation Theory®</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 3, Semester 1</strong></td>
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</tr>
<tr>
<td>MGB303  Entrepreneurship®</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>One Approved Management Unit®</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
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<td>12</td>
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<tr>
<td><strong>Year 3, Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGB309  Strategic Management®</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGB203  Government–Management Interface®</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
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<td></td>
</tr>
<tr>
<td>Elective</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

® These units comprise the management major for the double major.

---

**Part-Time Course Structure**

<p>| Year 1, Semester 1 | | | |
|-------------------|---------------|---------------|
| BSB115  Management, People &amp; Organisations | 12 | 3 |
| BSB114  Government, Business &amp; Society | 12 | 3 |
| <strong>Year 1, Semester 2</strong> | | | |
| BSB116  Marketing &amp; International Business | 12 | 3 |
| BSB113  Economics | 12 | 3 |
| <strong>Year 2, Semester 1</strong> | | | |
| BSB117  Professional Communication &amp; Negotiation | 12 | 3 |
| BSB112  Business Technology &amp; Information | 12 | 3 |
| <strong>Year 2, Semester 2</strong> | | | |
| MGB207  Managing Human Resources | 12 | 3 |
| MGB211  Organisational Behaviour | 12 | 3 |</p>
<table>
<thead>
<tr>
<th>Year 3, Semester 1</th>
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<tbody>
<tr>
<td>BSB10 Accounting</td>
<td>12</td>
</tr>
<tr>
<td>MGB100 Methods &amp; Analysis</td>
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<table>
<thead>
<tr>
<th>Year 3, Semester 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB111 Business Ethics</td>
<td>12</td>
</tr>
<tr>
<td>MGB217 Training &amp; Development I</td>
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<table>
<thead>
<tr>
<th>Year 4, Semester 1</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MGB210 Operations, Production &amp; Service Management*</td>
<td>12</td>
</tr>
<tr>
<td>MGB328 Work &amp; Performance</td>
<td>12</td>
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<table>
<thead>
<tr>
<th>Year 4, Semester 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB320 Recruitment &amp; Selection I</td>
<td>12</td>
</tr>
<tr>
<td>MGB206 Management &amp; Organisation Theory*</td>
<td>12</td>
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<table>
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<tr>
<th>Year 5, Semester 1</th>
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<tbody>
<tr>
<td>MGB303 Entrepreneurship*</td>
<td>12</td>
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<tr>
<td>Elective</td>
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<table>
<thead>
<tr>
<th>Year 5, Semester 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB203 Government–Management Interface*</td>
<td>12</td>
</tr>
<tr>
<td>Elective</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 6, Semester 1</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>One approved Management Unit*</td>
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</tr>
<tr>
<td>Elective</td>
<td>12</td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>MGB309 Strategic Management*</td>
<td>12</td>
</tr>
<tr>
<td>Elective</td>
<td>12</td>
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</tbody>
</table>

* These units comprise the management major for the double major.

** Discipline Major and Minor Specialisations for Bachelor of Business Students Without a Human Resources Management or Management Major **

The following list includes all discipline major and minor concentrations offered by the School of Management for students who have not completed a HRM or Management major.

**Discipline major specialisations** comprise sets of six units chosen from the following concentration areas including any compulsory units as indicated.

**Discipline minor specialisations** comprise sets of four units from the following concentration areas including any compulsory units as indicated.

**Management**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB207</td>
<td>Managing Human Resources</td>
<td>12</td>
</tr>
<tr>
<td>MGB210</td>
<td>Operations, Production &amp; Service Management</td>
<td>12</td>
</tr>
<tr>
<td>MGB211</td>
<td>Organisational Behaviour</td>
<td>12</td>
</tr>
<tr>
<td>MGB303</td>
<td>Entrepreneurship</td>
<td>12</td>
</tr>
<tr>
<td>MGB309</td>
<td>Strategic Management</td>
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</table>

**One approved Management Unit**

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</table>

**Human Resource Management**

<table>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MGB207</td>
<td>Managing Human Resources</td>
<td>12</td>
</tr>
<tr>
<td>MGB211</td>
<td>Organisational Behaviour</td>
<td>12</td>
</tr>
<tr>
<td>MGB315</td>
<td>Personal &amp; Professional Development</td>
<td>12</td>
</tr>
<tr>
<td>MGB328</td>
<td>Work &amp; Performance</td>
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**One approved HRM Unit**

<table>
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<tr>
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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
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</table>

**One approved HRM Unit**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Industrial Relations
MGB207 Managing Human Resources 12 3
MGB211 Organisational Behaviour 12 3
Plus four units from:
MGB201 Employment Regulation & Administration 12 3
MGB202 Equity at Work 12 3
MGB204 Industrial Relations 12 3
MGB209 Occupational Health & Safety Management 12 3
MGB219 Work & Society 12 3
MGB301 Advocacy 12 3
MGB308 International Industrial Relations 12 3
MGB312 Negotiation & Collective Bargaining 12 3
MGB327 Wages & Employment 12 3
MGB329 Workplace Industrial Relations 12 3

Public Sector Management
MGB207 Managing Human Resources 12 3
MGB211 Organisational Behaviour 12 3
Plus four units from:
MGB203 Government–Management Interface 12 3
MGB205 Machinery of Government 12 3
MGB213 Public Sector Management 12 3
MGB316 Policy Implementation & Evaluation 12 3
MGB317 Political & Administrative Analysis 12 3
MGB318 Public Policy 12 3

Organisational Futures
MGB207 Managing Human Resources 12 3
MGB211 Organisational Behaviour 12 3
MGB212 Perspectives on Organisations 12 3
Plus three units from:
MGB302 Cooperative Organisation 12 3
MGB313 Organisational Change & Development 12 3
MGB314 Organisational Consulting & Counselling 12 3
MGB324 The Virtual Organisation 12 3
MGB326 Understanding Organisations 12 3

Discipline Major and Minor Concentrations for Students from Outside the Faculty of Business

The following list includes all discipline major concentrations offered by the School of Management for students from outside the Faculty of Business.

Discipline major concentrations comprise sets of six units chosen from the following concentration areas including any compulsory units as indicated.

Discipline minor concentrations comprise sets of four units from the following concentration areas including any compulsory units as indicated.

Management
BSB115 Management, People & Organisations 12 3
MGB207 Managing Human Resources 12 3
MGB210 Operations, Production & Service Management 12 3
MGB211 Organisational Behaviour 12 3
MGB303 Entrepreneurship 12 3
MGB309 Strategic Management 12 3

Human Resource Management
BSB115 Management, People & Organisations 12 3
MGB207 Managing Human Resources 12 3
MGB211 Organisational Behaviour 12 3
MGB328 Work & Performance
One approved HRM Unit
One approved HRM Unit

Industrial Relations
BSB114 Government, Business & Society
MGB207 Managing Human Resources

Plus four units from:
MGB201 Employment Regulation & Administration
MGB202 Equity at Work
MGB204 Industrial Relations
MGB209 Occupational Health & Safety Management
MGB219 Work & Society
MGB301 Advocacy
MGB308 International Industrial Relations
MGB312 Negotiation & Collective Bargaining
MGB327 Wages & Employment
MGB329 Workplace Industrial Relations

Public Sector Management
BSB114 Government, Business & Society
MGB207 Managing Human Resources

Plus four units from:
MGB203 Government–Management Interface
MGB205 Machinery of Government
MGB213 Public Sector Management
MGB316 Policy Implementation & Evaluation
MGB317 Political & Administrative Analysis
MGB318 Public Policy

Organisational Futures
BSB115 Management, People & Organisations
MGB211 Organisational Behaviour

Plus four units from:
MGB302 Cooperative Organisations
MGB313 Organisational Change & Development
MGB314 Organisational Consulting & Counselling
MGB324 The Virtual Organisation
MGB326 Understanding Organisations

☐ International Business Core Major (INB)

Course Duration: 3 years full-time, 6 years part-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Subject Area Coordinator: To be advised

Course Requirements

International Business students must take the core major in International Business and any one of the following:

(i) A core major other than International Business, for a double major,
OR

(ii) A six-unit languages specialisation,
OR

(iii) The International Business Analysis Specialisation/Extended Major described below.

In addition, students must take one of the three pairs of Area Study units listed below.
Also, whether as a compulsory unit that is a part of a core major or as an elective, International Business students must undertake one of the following units:

(i) EFB101 Data Analysis for Business  
(ii) MGB100 Methods and Analysis

The full-time course structure for International Business students varies according to whether or not languages are selected as an option. If languages are taken as a specialisation or as a four-unit minor, they should commence in the first semester of the first year to maintain continuity from earlier pre-QUT language studies. Two course structures are described below. The first outlines the course structure if no languages are taken. The second outlines the structure for those who wish to take from four to six language units. All language units must normally be taken in the same language.

**HONOURS YEAR (OPTIONAL)**
Refer to the course outline of BS63 for details.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB113 Economics</td>
<td>12</td>
</tr>
<tr>
<td>BSB116 Marketing &amp; International Business</td>
<td>12</td>
</tr>
<tr>
<td>BSB115 Management, People &amp; Organisations</td>
<td>12</td>
</tr>
<tr>
<td>BSB117 Professional Communication &amp; Negotiation</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MIB202 Business &amp; the World Economy</td>
<td>12</td>
</tr>
<tr>
<td>BSB112 Business Technology &amp; Information</td>
<td>12</td>
</tr>
<tr>
<td>MIB211 Globalisation &amp; Business</td>
<td>12</td>
</tr>
<tr>
<td>BSB114 Government, Business &amp; Society</td>
<td>12</td>
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</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB111 Business Ethics</td>
<td>12</td>
</tr>
<tr>
<td>BSB110 Accounting</td>
<td>12</td>
</tr>
<tr>
<td>MIB203 Comparative Regulatory Systems</td>
<td>12</td>
</tr>
<tr>
<td>Extended Major/Specialisation/Elective</td>
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<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
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</thead>
<tbody>
<tr>
<td>BSB300 Management, the Firm &amp; International Business</td>
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<tr>
<td>Double Major/Extended Major/Specialisation/Elective</td>
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<tr>
<td>Double Major/Extended Major/Specialisation/Elective</td>
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<tr>
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<table>
<thead>
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</thead>
<tbody>
<tr>
<td>Area Study 1</td>
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</tr>
<tr>
<td>Double Major/Extended Major/Specialisation/Elective</td>
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</tr>
<tr>
<td>Double Major/Extended Major/Specialisation/Elective</td>
<td>12</td>
</tr>
<tr>
<td>Double Major/Extended Major/Specialisation/Elective</td>
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<tbody>
<tr>
<td>Area Study 2</td>
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<td>Double Major/Extended Major/Specialisation/Elective</td>
<td>12</td>
</tr>
<tr>
<td>Double Major/Extended Major/Specialisation/Elective</td>
<td>12</td>
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<tr>
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### Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
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</tr>
</thead>
<tbody>
<tr>
<td>BSB116 Marketing &amp; International Business</td>
<td>12</td>
</tr>
<tr>
<td>BSB114 Government, Business &amp; Society</td>
<td>12</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
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<tbody>
<tr>
<td>BSB115 Management, People &amp; Organisations</td>
<td>12</td>
</tr>
<tr>
<td>BSB110 Accounting</td>
<td>12</td>
</tr>
</tbody>
</table>
Year 2, Semester 1
BSB117 Professional Communication & Negotiation  12 3
BSB112 Business Technology & Information  12 3

Year 2, Semester 2
MIB211 Globalisation & Business  12 3
MIB202 Business & the World Economy  12 3

Year 3, Semester 1
MIB203 Comparative Regulatory Systems  12 3
Double Major/Extended Major/Specialisation/Elective  12 3

Year 3, Semester 2
BSB111 Business Ethics  12 3
Double Major/Extended Major/Specialisation/Elective  12 3

Year 4, Semester 1
BSB113 Economics  12 3
Double Major/Extended Major/Specialisation/Elective  12 3

Year 4, Semester 2
BSB300 Management, the Firm & International Business  12 3
Double Major/Extended Major/Specialisation/Elective  12 3

Year 5, Semester 1
Double Major/Extended Major/Specialisation/Elective  12 3

Year 5, Semester 2
Double Major/Extended Major/Specialisation/Elective  12 3

Year 6, Semester 1
Area Study 1  12 3
Double Major/Extended Major/Specialisation/Elective  12 3

Year 6, Semester 2
Area Study 2  12 3
Double Major/Extended Major/Specialisation/Elective  12 3

OPTION TWO: FOUR TO SIX LANGUAGE UNITS

Year 1, Semester 1
BSB113 Economics  12 3
BSB116 Marketing & International Business  12 3
BSB115 Management, People & Organisations  12 3
Language 1 (see list of languages)  12 3

Year 1, Semester 2
MIB202 Business & the World Economy  12 3
Language 2  12 3
MIB211 Globalisation & Business  12 3
BSB114 Government, Business & Society  12 3

Year 2, Semester 1
Language 3  12 3
BSB110 Accounting  12 3
MIB203 Comparative Regulatory Systems  12 3
BSB112 Business Technology & Information  12 3

Year 2, Semester 2
BSB300 Management, the Firm & International Business  12 3
Double Major/Extended Major/Specialisation/Elective  12 3
BSB117 Professional Communication & Negotiation  12 3
Language 4  12 3

Year 3, Semester 1
Area Study 1  12 3
Double Major/Extended Major/Specialisation/Elective  12 3
Double Major/Extended Major/Specialisation/Elective  12  3
Double Major/Extended Major/Specialisation/Elective  12  3
OR
Language 5  12  3

Year 3, Semester 2
Area Study 2  12  3
BSB111 Business Ethics  12  3
Double Major/Extended Major/Specialisation/Elective  12  3
Double Major/Extended Major/Specialisation/Elective  12  3
OR
Language 6  12  3

Part-Time Course Structure

Year 1, Semester 1
BSB116 Marketing & International Business  12  3
Language 1 (see list of languages)  12  3

Year 1, Semester 2
BSB115 Management, People & Organisations  12  3
Language 2  12  3

Year 2, Semester 1
Language 3  12  3
BSB112 Business Technology & Information  12  3

Year 2, Semester 2
BSB113 Economics  12  3
Language 4  12  3

Year 3, Semester 1
BSB117 Professional Communication & Negotiation  12  3
Language 5  12  3
OR, for those taking four language units,
BSB111 Business Ethics  12  3

Year 3, Semester 2
BSB114 Government, Business & Society  12  3
Language 6  12  3
OR, for those taking four language units,
BSB110 Accounting  12  3

Year 4, Semester 1
BSB111 Business Ethics  12  3
OR, for those taking four language units,
Double Major/Extended Major/Specialisation/Elective  12  3
BSB110 Accounting  12  3
OR, for those taking four language units,
Double Major/Extended Major/Specialisation/Elective  12  3

Year 4, Semester 2
MIB202 Business & the World Economy  12  3
MIB211 Globalisation & Business  12  3

Year 5, Semester 1
MIB203 Comparative Regulatory Systems  12  3
Double Major/Extended Major/Specialisation/Elective  12  3

Year 5, Semester 2
BSB300 Management, the Firm & International Business  12  3
Double Major/Extended Major/Specialisation/Elective  12  3

Year 6, Semester 1
Area Study 1  12  3
Double Major/Extended Major/Specialisation/Elective  12  3
Year 6, Semester 2

<table>
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<tr>
<th>Area Study 2</th>
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<tbody>
<tr>
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<td>3</td>
</tr>
</tbody>
</table>

**AREA STUDIES OPTIONS**

International Business students must take any one of the following pairs of area study units. Students wishing to take more than the one pair of area studies units may do so within the International Business Analysis Specialisation, or as electives. The (S1) or (S2) indicate the semester in which the units normally are offered.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIB200</td>
<td>Asian Business Development (S1)</td>
<td>12</td>
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<tr>
<td>MIB317</td>
<td>Contemporary Business in Asia (S2)</td>
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</tr>
<tr>
<td>MIB208</td>
<td>European Business Development (S1)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MIB300</td>
<td>Contemporary Business in Europe (S2)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MIB219</td>
<td>North American Business Development (S1)</td>
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<td>3</td>
</tr>
<tr>
<td>MIB301</td>
<td>Contemporary Business in North America (S2)</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

**LIST OF LANGUAGES**

With the permission of the Subject Area Coordinator, and where available, languages other than those listed may be taken, including languages from another university. The language units are as follows:

**FRENCH**

1. Students without Year 12 Language qualifications in French should undertake the following sequence of units:
   - HUB670 Introductory French 1
   - HUB671 Introductory French 2
   - HUB672 French Language & Culture 1
   - HUB673 French Language & Culture 2
   - HUB674 French Language & Culture 3
   - HUB675 French Language & Culture 4
   - HUB676 French Language & Culture 5
   - HUB677 French Language & Culture 6

2. Students with Year 12 Language qualifications or equivalent in French should undertake the following sequence of units:
   - HUB672 French Language & Culture 1
   - HUB673 French Language & Culture 2
   - HUB674 French Language & Culture 3
   - HUB675 French Language & Culture 4
   - HUB676 French Language & Culture 5
   - HUB677 French Language & Culture 6

**INDONESIAN**

1. Students without Year 12 Language qualifications in Indonesian should undertake the following sequence of units:
   - HUB650 Introductory Indonesian 1
   - HUB651 Introductory Indonesian 2
   - HUB652 Indonesian Language & Culture 1
   - HUB653 Indonesian Language & Culture 2
   - HUB654 Indonesian Language & Culture 3
   - HUB655 Indonesian Language & Culture 4
   - HUB656 Indonesian Language & Culture 5
   - HUB657 Indonesian Language & Culture 6

2. Students with Year 12 Language qualifications or equivalent in Indonesian should undertake the following sequence of units:
   - HUB652 Indonesian Language & Culture 1
   - HUB653 Indonesian Language & Culture 2
   - HUB654 Indonesian Language & Culture 3
   - HUB655 Indonesian Language & Culture 4
1. Students without Year 12 Language qualifications in Japanese should undertake the following sequence of units:
   - HUB660 Introductory Japanese 1
   - HUB661 Introductory Japanese 2
   - HUB662 Japanese Language & Culture 1
   - HUB663 Japanese Language & Culture 2
   - HUB664 Japanese Language & Culture 3
   - HUB665 Japanese Language & Culture 4
   - HUB666 Japanese Language & Culture 5
   - HUB667 Japanese Language & Culture 6

2. Students with Year 12 Language qualifications or equivalent in Japanese should undertake the following sequence of units:
   - HUB662 Japanese Language & Culture 1
   - HUB663 Japanese Language & Culture 2
   - HUB664 Japanese Language & Culture 3
   - HUB665 Japanese Language & Culture 4
   - HUB666 Japanese Language & Culture 5
   - HUB667 Japanese Language & Culture 6

1. Students without Year 12 Language qualifications should undertake the following sequence of units:
   - HUB735 Introductory German 1
   - HUB736 Introductory German 2
   - HUB737 German Language & Culture 1
   - HUB738 German Language & Culture 2
   - HUB739 German Language & Culture 3
   - HUB740 German Language & Culture 4
   - HUB741 German Language & Culture 5
   - HUB742 German Language & Culture 6

2. Students with Year 12 Language qualifications or equivalent in German should undertake the following sequence of units:
   - HUB737 German Language & Culture 1
   - HUB738 German Language & Culture 2
   - HUB739 German Language & Culture 3
   - HUB740 German Language & Culture 4
   - HUB741 German Language & Culture 5
   - HUB742 German Language & Culture 6

EXTENDED MAJOR AND SPECIALISATIONS

The International Business Analysis Specialisation and Extended Major is available to both International Business students and students from other core majors wishing to examine business in greater depth, within an international context. The (S1) or (S2) indicate the semester in which the units normally are offered. The specialisation consists of three core, compulsory units:

- MIB212 Industry & Regional Analysis (S1)
- MIB314 Strategic Business Analysis (S2)
- MIB203 Comparative Regulatory Systems (S1)
- MIB213 International Marketing (S1)

In addition, students may then select one from a range of groups of three industry or area focused options in order to develop a detailed understanding of the industry selected:

- MIB200 Asian Business Development (S1)
- MIB317 Contemporary Business in Asia (S2)
- MIB205 Cross Cultural Communication & Negotiation (S2)
Management Major (MAN)

Course Duration: 3 years full-time, 6 years part-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Subject Area Coordinator in Management: To be advised

Course Information

The Management major is one of the two major cores offered by the School of Management. Having selected this major core, students may elect to:

- undertake an extended major building on this chosen major core
- complement this major core with studies in Industrial Relations, Organisational Futures or Public Sector Management
- undertake a double major taking both Management and Human Resource Management major cores, with specified adjustments for common units
- look more broadly across the Faculty’s offerings with a view to selecting another major or disciplinary specialisation from outside the School of Management to complement this major.

Professional Recognition

This major satisfies the academic requirements for membership of the Australian Institute of Management.
HONOURS YEAR (OPTIONAL)
Refer to the course outline of BS63 for details.

### Full-Time Course Structure

<table>
<thead>
<tr>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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© These units comprise the Extended Major in Management.

### Part-Time Course Structure

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Management Major with Specialisation in Industrial Relations

Subject Area Coordinator in Industrial Relations: To be advised

Course Information

This specialisation in Industrial Relations provides students with industrial relations skills, knowledge and understanding. It is an area of study which complements general management, focusing on the management of industrial relations, workplace bargaining, wage determination and the relevant legislation and strategies.

Professional Recognition

Graduates are eligible to join the Industrial Relations Society and the Australian Human Resources Institute.

HONOURS YEAR (OPTIONAL)

Refer to the course outline of BS63 for details.

Full-Time Course Structure

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* Plus one unit from:
  MGB209 Occupational Health & Safety Management** | 12 3 |
  MGB327 Wages & Employment** | 12 3 |
  Elective** | 12 |

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* Plus one unit from:
  MGB308 International Industrial Relations** | 12 3 |
  MGB202 Equity at Work** | 12 3 |
  MGB301 Advocacy** | 12 3 |
  Elective** | 12 |

* These units comprise the Specialisation in Industrial Relations.
* One unit must be taken to complete the Industrial Relations specialisation.
** One unit only of these electives must be taken, not both (i.e. a maximum of four electives).

** Part-Time Course Structure **

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Year 4, Semester 1
MGB210 Operations, Production & Service Management 12 3
MGB201 Employment Regulation & Administration® 12 3

Year 4, Semester 2
MGB204 Industrial Relations® 12 3
Elective 12

Year 5, Semester 1
MGB303 Entrepreneurship 12 3
MGB219 Work & Society® 12 3

Year 5, Semester 2
MGB309 Strategic Management 12 3
MGB329 Workplace Industrial Relations® 12 3

Year 6, Semester 1
MGB312 Negotiation & Collective Bargaining® 12 3
Plus one unit from:
MGB209 Occupational Health & Safety Management® 12 3
MGB327 Wages & Employment** 12 3
Elective** 12

Year 6, Semester 2
Elective 12
Plus one unit from:
MGB308 International Industrial Relations® 12 3
MGB301 Advocacy® 12 3
MGB202 Equity at Work® 12 3
Elective** 12

*: These units comprise the specialisation in Industrial Relations.
* One unit must be taken to complete the Industrial Relations specialisation.
** One unit only of these electives must be taken, not both (i.e. a maximum of four electives).

☐ Management Major with Specialisation in Organisational Futures

Note: The Organisational Futures Disciplinary Specialisation will commence in 1997.

Subject Area Coordinator in Organisational Futures: To be advised

Course Information
This Specialisation in Organisational Futures is designed to give students a strong grounding in change management knowledge and skills and in organisational theory and design. The specialisation is future-oriented, focusing on the future of work and organisation and the challenges this implies for managers, workers, organisations and industries.

HONOURS YEAR (OPTIONAL)
Refer to the course outline of BS63 for details.

Full-Time Course Structure

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* These units comprise the Specialisation in Organisational Futures.

**Part-Time Course Structure**

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<tr>
<td>MGB100</td>
<td>Methods &amp; Analysis</td>
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<th>Year 3, Semester 2</th>
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<tbody>
<tr>
<td>BSB111</td>
<td>Business Ethics</td>
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<td>Elective</td>
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<thead>
<tr>
<th>Year 4, Semester 1</th>
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<tbody>
<tr>
<td>MGB210</td>
<td>Operations, Production &amp; Service Management</td>
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<tr>
<td>MGB212</td>
<td>Perspectives on Organisations®</td>
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<table>
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<tr>
<th>Year 4, Semester 2</th>
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<tbody>
<tr>
<td>MGB326</td>
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<thead>
<tr>
<th>Year 5, Semester 1</th>
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</thead>
<tbody>
<tr>
<td>MGB314</td>
<td>Organisational Consulting &amp; Counselling®</td>
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<thead>
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<tbody>
<tr>
<td>MGB313</td>
<td>Organisational Change &amp; Development®</td>
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<tr>
<td>Elective</td>
<td></td>
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</tr>
</tbody>
</table>
Management Major with Specialisation in Public Sector Management

Subject Area Coordinator in Public Sector Management: To be advised

Course Information

The Specialisation in Public Sector Management complements the Management major in the School of Management. Building on the major core, it offers an integrated core of units which develop specific skills and knowledge relevant to the public sector.

Professional Recognition

The Royal Institute of Public Administration acknowledges the appropriateness of this specialisation for the study of public sector management. Subject to the choice of suitable elective units, the specialisation satisfies requirements for membership of the Australian Institute of Management (AIM).

HONOURS YEAR (OPTIONAL)

Refer to the course outline of BS63 for details.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB115  Management, People &amp; Organisations</td>
<td>12</td>
<td>3</td>
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<tr>
<td>BSB114  Government, Business &amp; Society</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB117  Professional Communication &amp; Negotiation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB112  Business Technology &amp; Information</td>
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<table>
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<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>BSB116  Marketing &amp; International Business</td>
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<tr>
<td>BSB113  Economics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGB207  Managing Human Resources</td>
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<td>3</td>
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<td>MGB211  Organisational Behaviour</td>
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<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>BSB110  Accounting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGB100  Methods &amp; Analysis</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGB210  Operations, Production &amp; Service Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGB205  Machinery of Government</td>
<td>12</td>
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<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>BSB111  Business Ethics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGB203  Government-Management Interface</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGB213  Public Sector Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>12</td>
<td>3</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Year 3, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB303  Entrepreneurship</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGB318  Public Policy</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGB317  Political &amp; Administrative Analysis</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
### Part-Time Course Structure

#### Year 1, Semester 1
- BSB115 Management, People & Organisations (12 credits, 3 contact hours/week)
- BSB114 Government, Business & Society (12 credits, 3 contact hours/week)

#### Year 1, Semester 2
- BSB116 Marketing & International Business (12 credits, 3 contact hours/week)
- BSB113 Economics (12 credits, 3 contact hours/week)

#### Year 2, Semester 1
- BSB117 Professional Communication & Negotiation (12 credits, 3 contact hours/week)
- BSB112 Business Technology & Information (12 credits, 3 contact hours/week)

#### Year 2, Semester 2
- MGB207 Managing Human Resources (12 credits, 3 contact hours/week)
- MGB211 Organisational Behaviour (12 credits, 3 contact hours/week)

#### Year 3, Semester 1
- BSB110 Accounting (12 credits, 3 contact hours/week)
- MGB100 Methods & Analysis (12 credits, 3 contact hours/week)

#### Year 3, Semester 2
- BSB111 Business Ethics (12 credits, 3 contact hours/week)
- Elective (12 credits, 3 contact hours/week)

#### Year 4, Semester 1
- MGB210 Operations, Production & Service Management (12 credits, 3 contact hours/week)
- MGB205 Machinery of Government® (12 credits, 3 contact hours/week)

#### Year 4, Semester 2
- MGB203 Government–Management Interface® (12 credits, 3 contact hours/week)
- Elective (12 credits, 3 contact hours/week)

#### Year 5, Semester 1
- MGB318 Public Policy® (12 credits, 3 contact hours/week)
- Elective (12 credits, 3 contact hours/week)

#### Year 5, Semester 2
- MGB213 Public Sector Management® (12 credits, 3 contact hours/week)
- Elective (12 credits, 3 contact hours/week)

#### Year 6, Semester 1
- MGB303 Entrepreneurship (12 credits, 3 contact hours/week)
- MGB317 Political & Administrative Analysis® (12 credits, 3 contact hours/week)

#### Year 6, Semester 2
- MGB309 Strategic Management (12 credits, 3 contact hours/week)
- MGB316 Policy Implementation & Evaluation® (12 credits, 3 contact hours/week)

© These units comprise the Specialisation in Public Sector Management.

### □ Double Major: Management Major and Human Resource Management Major

#### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB115 Management, People &amp; Organisations</td>
<td>12</td>
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</tr>
<tr>
<td>BSB114 Government, Business &amp; Society</td>
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</tr>
</tbody>
</table>
BSB117  Professional Communication & Negotiation  12  3
BSB112  Business Technology & Information  12  3

Year 1, Semester 2
BSB116  Marketing & International Business  12  3
BSB113  Economics  12  3
MGB207  Managing Human Resources  12  3
MGB211  Organisational Behaviour  12  3

Year 2, Semester 1
BSB110  Accounting  12  3
MGB100  Methods & Analysis  12  3
MGB210  Operations, Production & Service Management  12  3
MGB328  Work & Performance*  12

Year 2, Semester 2
BSB111  Business Ethics  12  3
MGB217  Training & Development I®  12  3
MGB320  Recruitment & Selection I®  12  3
Elective  12

Year 3, Semester 1
MGB303  Entrepreneurship  12  3
One approved HRM Unit®  12  3
Elective  12
Elective  12

Year 3, Semester 2
MGB309  Strategic Management  12  3
MGB315  Personal & Professional Development®  12  3
One approved HRM Unit®  12  3
Elective  12

* These units comprise the Human Resource Management Major for the Double Major.

Please refer to Human Resource Management section for specialisations and concentrations in the Management major.

Part-Time Course Structure

Year 1, Semester 1
BSB115  Management, People & Organisations  12  3
BSB114  Government, Business & Society  12  3

Year 1, Semester 2
BSB116  Marketing & International Business  12  3
BSB113  Economics  12  3

Year 2, Semester 1
BSB117  Professional Communication & Negotiation  12  3
BSB112  Business Technology & Information  12  3

Year 2, Semester 2
MGB207  Managing Human Resources  12  3
MGB211  Organisational Behaviour  12  3

Year 3, Semester 1
BSB110  Accounting  12  3
MGB100  Methods & Analysis  12  3

Year 3, Semester 2
BSB111  Business Ethics  12  3
MGB217  Training & Development I®  12  3

Year 4, Semester 1
MGB210  Operations, Production & Service Management  12  3
MGB328  Work & Performance®  12  3
Year 4, Semester 2
MGB320 Recruitment & Selection I©
Elective

Year 5, Semester 1
One approved HRM unit©
Elective

Year 5, Semester 2
MGB315 Personal & Professional Development©
One approved HRM unit©

Year 6, Semester 1
MGB303 Entrepreneurship
Elective

Year 6, Semester 2
MGB309 Strategic Management
Elective

© These units comprise the Human Resource Management Major for the Double Major.

Please refer to Human Resource Management section for specialisations and concentrations in the Management major.

□ Marketing Core Major (MKT)
Course Duration: 3 years full-time, 6 years part-time
Total Credit Points: 288
Standard Credit Points/Full-Time Semester: 48
Subject Area Coordinator: To be advised

Course Requirements
All students are required to take the eight Faculty Core units and the six Major Core units in Marketing specified in the course structure below. In addition, Marketing students have the choice of either specialising in marketing by taking six Extended Major Marketing units, or taking another Core Major such as International Business. Finally, all Marketing students have four elective units that can be taken from any area, provided students have any necessary prerequisites.

Professional Recognition
Students of the Marketing program may meet the requirements for membership of a number of professional bodies. These include the Australian Marketing Institute, the Marketing Research Society of Australia, the Australian Institute of Management, the American Marketing Association and the Australian Institute of Export. Details of membership can be obtained from the Subject Area Coordinator.

HONOURS YEAR (OPTIONAL)
Refer to the course outline of BS63 for details.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB117</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB114</td>
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<td>3</td>
</tr>
<tr>
<td>BSB116</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB115</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
### Year 1, Semester 2
- **EFB101** Data Analysis for Business 12 3
- **BSB112** Business Technology & Information 12 3
- **MIB204** Consumer Behaviour 12 3
- **BSB113** Economics 12 3

### Year 2, Semester 1
- **BSB111** Business Ethics 12 3
- **BSB110** Accounting 12 3
- **MIB217** Marketing Management 12 3
  - Extended Major/Specialisation/Elective 12 3

### Year 2, Semester 2
- **MIB305** Market Research 12 3
  - Extended Major/Specialisation/Elective 12 3
  - Extended Major/Specialisation/Elective 12 3
  - Extended Major/Specialisation/Elective 12 3

### Year 3, Semester 1
- **MIB213** International Marketing 12 3
  - Extended Major/Specialisation/Elective 12 3
  - Extended Major/Specialisation/Elective 12 3
  - Extended Major/Specialisation/Elective 12 3

### Year 3, Semester 2
- **MIB315** Strategic Marketing 12 3
  - Extended Major/Specialisation/Elective 12 3
  - Extended Major/Specialisation/Elective 12 3
  - Extended Major/Specialisation/Elective 12 3

### Part-Time Course Structure

#### Year 1, Semester 1
- **BSB113** Economics 12 3
- **BSB116** Marketing & International Business 12 3

#### Year 1, Semester 2
- **BSB115** Management, People & Organisations 12 3
- **BSB110** Accounting 12 3

#### Year 2, Semester 1
- **BSB114** Government, Business & Society 12 3
- **BSB112** Business Technology & Information 12 3

#### Year 2, Semester 2
- **MIB204** Consumer Behaviour 12 3
- **EFB101** Data Analysis for Business 12 3

#### Year 3, Semester 1
- **MIB217** Marketing Management 12 3
  - Extended Major/Specialisation/Elective 12 3

#### Year 3, Semester 2
- **BSB111** Business Ethics 12 3
  - Extended Major/Specialisation/Elective 12 3

#### Year 4, Semester 1
- **BSB117** Professional Communication & Negotiation 12 3
  - Extended Major/Specialisation/Elective 12 3

#### Year 4, Semester 2
- **MIB305** Market Research 12 3
  - Extended Major/Specialisation/Elective 12 3

#### Year 5, Semester 1
- Extended Major/Specialisation/Elective 12 3
  - Extended Major/Specialisation/Elective 12 3
Year 5, Semester 2
- Extended Major/Specialisation/Elective 12 3
- Extended Major/Specialisation/Elective 12 3

Year 6, Semester 1
- MIB213 International Marketing 12 3
- Extended Major/Specialisation/Elective 12 3

Year 6, Semester 2
- MIB315 Strategic Marketing 12 3
- Extended Major/Specialisation/Elective 12 3

EXTENDED MAJOR
The Extended Major is intended to permit greater depth of study with an opportunity for students to exercise a limited choice of units. Students may take any six of the following units, provided that at least two of the six units are level 3 units denoted by 3 as the first numeric number in the unit code and that they have the necessary prerequisites. The (S1) or (S2) indicate the semester in which the units normally are offered.

<table>
<thead>
<tr>
<th>Unit Title</th>
<th>Unit Level</th>
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<tbody>
<tr>
<td>MIB311 Services Marketing (S1)</td>
<td>3</td>
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<tr>
<td>MIB215 Marketing Logistics (S1)</td>
<td>2</td>
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<tr>
<td>MIB307 Product Innovation &amp; Market Development (S2)</td>
<td>3</td>
</tr>
<tr>
<td>MIB224 Technology &amp; Marketing (S2)</td>
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</tr>
<tr>
<td>MIB220 Organisational Markets (Business to Business Marketing)(S2)</td>
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</tr>
<tr>
<td>MIB216 Marketing Decision Making (S2)</td>
<td>2</td>
</tr>
<tr>
<td>MIB226 Tourism Marketing (S2)</td>
<td>2</td>
</tr>
<tr>
<td>MIB310 Retail Marketing (S1)</td>
<td>3</td>
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<tr>
<td>MIB303 International Logistics (S2)</td>
<td>3</td>
</tr>
<tr>
<td>MIB210 Export Management (S1)</td>
<td>2</td>
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<tr>
<td>MIB308 Professional Marketing Practice (S1)</td>
<td>3</td>
</tr>
<tr>
<td>MIB309 Promotional Strategy (S2)</td>
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</tbody>
</table>

SPECIALISATIONS
Students may wish to select a specialisation instead of undertaking an Extended Major in Marketing.

The **International Business Analysis Specialisation** provides marketing students with an excellent understanding of the international environment within which marketing takes place, as well as an opportunity to study a selected industry in more depth. The (S1) or (S2) indicate the semester in which the units normally are offered. The Specialisation consists of three core, compulsory units.

- MIB212 Industry & Regional Analysis (S1)
- MIB314 Strategic Business Analysis (S2)
- MIB203 Comparative Regulatory Systems (S1)

In addition, students then select one from a range of integrated sets of three industry or area focused options in order to develop a detailed understanding of the industry selected. The options include: Area Studies; Tourism; Retail Industry; Information Technology; Sports and Recreation; Distribution and Logistics; Cultural Industries, and others. The specific units are listed under the International Business entry in this Handbook, or can be obtained from the Subject Area Coordinator.

Three Marketing Specialisations are available for non-Marketing major students:

**MARKETING FOR NON-BUSINESS MAJORS**
- BSB116 Marketing & International Business
- BSB113 Economics
  OR
- BSB115 Management, People & Organisations
- MIB204 Consumer Behaviour
MIB217 Marketing Management  
MIB213 International Marketing  
MIB315 Strategic Marketing  

MARKETING, LAW AND FINANCE  
AYB120 Business Law  
EFB210 Finance I  
MIB210 Export Management  
MIB311 Services Marketing  
MIB216 Marketing Decision Making  
MIB307 Product Innovation & Market Development  

MARKETING DISCIPLINE FOR NON MARKETING, BUSINESS MAJORS  
MIB204 Consumer Behaviour  
MIB217 Marketing Management  
MIB315 Strategic Marketing  

Any three of the Marketing Extended Major units.
Courses

- Doctor of Education (ED11) ................................................................. 439
- Master of Education (ED13) ................................................................. 444
- Master of Education (Research) (ED12) ................................................. 452
- Master of Education (TESOL) (ED14) .................................................... 456
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- Graduate Diploma in Education (Curriculum) (ED22) ............................. 460
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- Graduate Diploma in Education (Educational Management) (ED23) ........ 462
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- Graduate Diploma in Education (Pre-service) Early Childhood (ED35)
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- Bachelor of Education (Early Childhood) (ED52) .................................. 485
- Bachelor of Education (Preservice Early Childhood) (ED53) ............... 492
- Bachelor of Education (Primary) (ED51) ............................................. 495
- Bachelor of Education (Secondary) (ED50) ......................................... 503
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- Bachelor of Teaching External Child Care Upgrading Program (ED42) ...... 515
FACULTY OF EDUCATION

Course Structures

■ Doctor of Education (ED11)

Location: Kelvin Grove campus

Course Duration: Minimum of 2 years full-time or 3.5 years part-time for holders of a Masters degree or equivalent. Minimum of 2.5 years full-time or 4.5 years part-time for those without a Masters degree.

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor John Clarke

Entry Requirements

Candidates will be admitted to the EdD who:

(i) hold a four-year Education degree, or its equivalent, with First Class Honours or Honours II A, or

(ii) hold a Masters degree in Education or in another field relevant to the EdD and have two years’ practice in a position of professional responsibility in education or a closely related field.

Provisional Enrolment

Students with lesser academic qualifications but with exemplary professional experience may be given provisional enrolment on the approval of the Dean of Education.

(i) A candidate so admitted shall be required to complete the four designated qualifying units at credit level (grade of 5) or better.

(ii) A candidate who completes course units at a satisfactory level during the period of provisional enrolment will be permitted to count these units towards the degree.

(iii) Unless the Faculty Academic Board accepts that exceptional circumstances justify extension of provisional status, it must be cleared within one calendar year from enrolment in the course. Such clearance will require submission of a positive recommendation by the Course Coordinator for approval by the Faculty Academic Board. The maximum period of extension of provisional candidature shall be one year.

(iv) A provisional candidate who fails to achieve a credit level in any qualifying or coursework units or fails to make satisfactory progress shall have their candidature terminated or be required to show cause to the Faculty Academic Board through the Course Coordinator as to why their candidature should not be terminated.

(v) A candidate whose provisional candidature is terminated may, after a period of two years, be permitted to apply for re-enrolment as a provisional candidate.

Procedure for Enrolment (subject to final approval)

(i) Before submitting an application for enrolment, a potential candidate shall consult the Course Coordinator who will assist in the preparation of the appropriate application form concerning eligibility and special interests.
(ii) A person seeking admission to the course shall apply on the appropriate application forms through Student Administration. The completed application forms should be accompanied by any specified documentation. These will include a proposal for a course of study and research to be pursued for the purpose of obtaining the degree and other requirements as specified in the form. A person relying on qualifications from another institution of higher education shall furnish with their application evidence of such qualifications. After acknowledgement and recording of basic information by Student Administration, the application will be forwarded for consideration to the Course Coordinator.

(iii) The Course Coordinator will forward recommendations on applications to the Dean for approval before forwarding official advice to all applicants on the outcome of their applications through Student Administration.

Course of Study (subject to final approval)

LENGTH

(i) Candidates for the degree of Doctor of Education will normally be required to complete their course in at least two years of full-time study or 3.5 years of part-time study.

(ii) Without the permission of the Faculty Academic Board, no full-time candidate for the degree of EdD shall submit a thesis for examination more than 24 months from the date on which registration in the program was granted. The corresponding period in the case of a part-time candidate shall be 42 months.

(iii) Where a candidate wishes to change from full-time to part-time registration, or vice versa, application must be made in writing to the Faculty Academic Board. All such applications must specify the revised date of expected completion.

(iv) Where application is made for permission to extend the period within which the candidate may submit a thesis for examination, details of the candidate's progress shall be presented to the Faculty Academic Board, together with the reasons for the delay in completing the course and the expected date of completion. Where the Committee agrees to an extension, it may set a limit to the maximum period of registration in the EdD program.

CREDIT POINTS

A candidate for the Doctor of Education award will obtain a total of 72 credit points in coursework, and 216 credit points in the preparation and presentation of a thesis.

Studies in the course of the award will consist of two stages involving specified coursework and a thesis. Satisfactory performance in Stage 1 will be necessary before preparation of the thesis can commence.

Course Structure (subject to final approval)

Stage 1: Coursework

The 72 credit points of coursework in Stage 1 will consist of:

(i) four 12 credit point units taken with students in the coursework Master of Education course, and

(ii) one 24 credit point semester-long unit (EDR703 Interdisciplinary Education Studies [Advanced Seminars]).

Note: Students entering the course with an MEd degree (or equivalent) will be granted exemption from the four 12 credit point units.
Stage 2: Research
These 216 credit points are the thesis component of the award which contains the following steps:

- **Step (a) Thesis Preparation**
  During the preparation of the thesis, candidates will be required to demonstrate an understanding of the research process. This understanding will include a capacity to critique research literature, to assess research designs and evaluate the appropriateness of research methodologies. This preparation step will involve a 20,000 word maximum.

- **Step (b) Thesis Confirmation of Candidature**
  All candidates must prepare and orally present a research proposal. This oral presentation must be accompanied by a 10,000 word paper.

- **Step (c) Thesis Implementation**
  All candidates must design, implement and orally defend a thesis of 50,000 words minimum or equivalent.

- **Step (d) Thesis Submission**
  Completion and presentation of a thesis or alternative to the supervisory team for approval; production of the thesis in a suitable form for examination.

TRANSFER OF CREDIT (subject to final approval)
Admission to the course and the application of any credit will be considered by the Course Coordinator. Where candidates possess postgraduate qualifications in related and appropriate academic areas, credit up to a maximum of 72 credit points may be granted towards coursework.

**Thesis Supervision**
(i) Normally two supervisors shall be appointed for each EdD candidate.
(ii) One supervisor shall be the Principal Supervisor, with responsibility for supervising the candidate on a frequent basis. The Principal Supervisor shall be a member of the Faculty of Education staff. Normally, the Principal Supervisor shall have undertaken the successful supervision of research degree candidates. Where a Principal Supervisor is proposed who has not undertaken such supervision, an Associate Supervisor should have had such experience.
(iii) An Associate Supervisor may be appointed either from QUT or from elsewhere. Where appropriate, more than one Associate Supervisor may be appointed. The Faculty Academic Board may approve the appointment as Associate Supervisor of a person without experience sufficient to satisfy appointment as a Principal Supervisor. Where collaboration has been arranged between QUT and another organisation, the latter is expected to recommend to the Committee a member of its staff as an Associate Supervisor.
(iv) The Faculty Academic Board must be satisfied regarding the qualifications and experience of all proposed supervisors.
(v) The Principal Supervisor is required to report every six months to the Higher Degrees Advisory Committee on progress made by the candidate. Each progress report is to be sighted by the candidate and submitted through the Head of School and the Director of the Centre or Research Concentration.

**Progression and Unsatisfactory Progress (subject to final approval)**
**PROGRESSION**
In each year of candidature the academic progress of each candidate shall be reviewed by the Course Coordinator. Satisfactory progress for provisional candidates will consist of passing of qualifying requirements or course units at appropriate exit levels.
All candidates are required to satisfactorily complete confirmation of candidature prior to proceeding to the thesis implementation stage.

Progress reports will be submitted at designated intervals, normally at least twice each year, to the Higher Degrees Advisory Committee.

**UNSATISFACTORY PROGRESS**

(i) With respect to coursework studies, candidates who have not attained a credit level (grade of 5 or better) or who have otherwise progressed unsatisfactorily may have their candidature terminated on the recommendation of the Higher Degrees Advisory Committee.

(ii) With respect to the thesis project, progress which is considered clearly unsatisfactory by both the Supervisor and the Course Coordinator may lead to a recommendation by them to the Higher Degrees Advisory Committee that the candidate be excluded from the course.

(iii) Before the Higher Degrees Advisory Committee recommends termination of candidature, the candidate shall be given the opportunity to show cause why this action should not be taken.

**Examination of the Thesis**

**SUBMISSION OF THESIS**

(i) A candidate should submit a minimum of four copies of a thesis to the Course Coordinator for internal, oral and external examination. These should be temporarily bound in order to facilitate the making of any revisions and editorial changes required by examiners at each stage of the examining process (if the thesis is otherwise acceptable to them) before final printing and binding.

(ii) The thesis should be accompanied by a signed declaration which states that:

   (a) the candidate has complied with the ethics of experimentation as set out in the publication Guide to Thesis Presentation

   (b) the thesis is the candidate’s own work and that all other sources are correctly acknowledged

   (c) the thesis has not been submitted to another institution.

**PRESENTATION AND EXAMINATION OF THESIS (subject to final approval)**

(i) An oral presentation of the thesis will be made to the Faculty of Education prior to the thesis being submitted for examination procedure. The Principal Supervisor will normally act as Chairperson of the Faculty panel. The presentation will be open to staff and students.

(ii) Panel members must receive copies of the thesis three weeks in advance of the date set for the oral presentation.

(iii) After making revisions suggested in the oral presentation, candidates will submit four temporarily bound copies of the thesis for external examination.

(iv) Each thesis will then be examined by three examiners appointed by the Faculty Academic Board on the recommendation of the Course Coordinator in consultation with the candidate. Such appointments should be finalised from two to four weeks prior to the anticipated submission date of the thesis. At least two of the examiners appointed will be external to the University.

(v) Examiners will be required to submit written assessments of the thesis within eight weeks of its receipt. Those assessments will be presented on official forms forwarded with the thesis.
(vi) When the examiners are in agreement with respect to the thesis, the Course Coordinator shall transmit the result of the examination on the prescribed form to the Chairperson of the Higher Degrees Advisory Committee and Faculty Academic Board. The examiners' report shall recommend (i) that the degree be awarded, with or without modifications to the thesis, or (ii) that the candidate be re-examined, or (iii) that the degree not be awarded. When the recommendation is that the degree be awarded, the Chairperson must return an Examiners' Report together with a certificate signed by each examiner recommending acceptance of the thesis in fulfilment of the conditions for the award of the EdD degree.

(vii) If the examiners cannot reach agreement, they shall submit separate reports and recommendations to the Higher Degrees Advisory Committee and Faculty Academic Board. The Board may then (i) not award the degree, or (ii) accept a majority recommendation with or without the advice of a further external examiner.

(viii) A candidate who fails to satisfy the course requirements at the first attempt may, on the recommendation of the examiners and with the approval of the Faculty Academic Board, be re-examined not more than once. Application must be made to the Faculty Academic Board for approval of the re-examination arrangements.

(ix) Re-examination shall take place within 12 months from the date on which the candidate is advised in writing of such re-examination. The Faculty Academic Board may, on application by the candidate and supported by the Principal Supervisor, approve an extension of this period.

(x) The examiners must give the candidate guidance on the deficiencies identified by the first examination.

(xi) If a candidate is required to revise and resubmit a thesis, the examiners' reports will be made available to the candidate, the anonymity of the examiners being maintained.

(xii) The Faculty Academic Board may require that an additional external examiner be appointed for the re-examination.

(xiii) Regulations applicable to examinations generally shall apply to the re-examination.

(xiv) After the examination process is complete, examiners' reports will be made available to the candidate on request. The names of examiners will be released on request providing each examiner has indicated willingness to have his or her identity revealed to the candidate.

(xv) The examiners may recommend that a candidate who has been examined for the degree of EdD be awarded the degree of Master, provided that the candidate meets or can meet the requirements of a Masters program.

**Admission to Degree (subject to final approval)**

Prior to admission to the award, a candidate must have at least four of the completed documents bound. Of these, one copy of the completed document must be submitted to the University Library, one to the Faculty Office, one to the Principal Supervisor, and one to the collaborating institution, if any.

A candidate who:

(i) fulfils the requirements of these rules, and

(ii) whose work is of a standard that satisfies the Faculty Academic Board (after considering the results in all units and/or the reports of all examiners), and

(iii) has otherwise complied with the provisions of all statutes and other applicable rules may be admitted to the degree of Doctor of Education.
Master of Education (ED13)

Location: Kelvin Grove campus

Course Duration: 1 year full-time, 2 years part-time or external

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Bob Elliott

Entry Requirements

Candidates will be admitted to the course who:

(i) hold an appropriate four-year Bachelor degree or equivalent at a standard acceptable to the Dean of the Faculty; or

(ii) hold other qualifications acceptable to the Dean which may include substantial work experience in an education-related field or involvement in relevant research activities and have had at least one year's experience in some branch of education, subject to the discretion of the Dean.

Applicants may be required to provide satisfactory formal evidence of proficiency in the English Language.

Students who do not meet the entry requirements may be admitted on a provisional basis and be required to undertake preliminary coursework and reading as determined by the Course Coordinator. After satisfactory completion of the preliminary studies students will be admitted to full candidature.

Provisional Enrolment (subject to approval)

In special circumstances and with the specific approval of the Dean, a person may be admitted to the Master of Education course on a provisional basis to complete qualifying units. The conditions which must be satisfied to meet the qualifying requirement must be detailed in writing by the Course Coordinator for the Dean’s approval.

(i) A candidate so admitted shall be required to complete any designated qualifying units at credit level (grade of 5) or better.

(ii) A candidate who completes course units at a satisfactory level during the period of provisional enrolment may be permitted to count these units towards the degree.

(iii) Unless the Faculty Academic Board accepts that exceptional circumstances justify extension of provisional status, it must be cleared within one calendar year from enrolment in the course. Such clearance will require submission of a positive recommendation by the Course Coordinator for approval by the Faculty Academic Board. The maximum period of extension of provisional candidature shall be one year.

(iv) A provisional candidate who fails to achieve a credit level in any qualifying unit(s) or a pass level in any coursework units or fails to make satisfactory progress shall have their candidature terminated or be required to show cause to the Higher Degrees Advisory Committee through the Coordinator of the relevant area of interest as to why their candidature should not be terminated.

(v) A candidate whose provisional candidature is terminated may, after a period of two years, be permitted to apply for re-enrolment as a provisional candidate.

Please note that not all electives are available by external study.
Procedure for Enrolment

(i) Before submitting an application for enrolment, a potential candidate shall consult the Coordinator of the relevant Area of Interest of the Master of Education course concerning eligibility and special interests.

(ii) A person seeking admission to the Master of Education course shall apply on the appropriate forms through Student Administration. The completed application forms should be accompanied by any specified documentation. These will include a proposal for a course of study and research to be pursued for the purpose of obtaining the degree and other requirements as specified in particular areas of interest. A person relying on qualifications from another institution of higher education shall furnish with their application evidence of such qualifications. After acknowledgement and recording of basic information by Student Administration, an application will be forwarded for consideration by the Course Coordinator who may require the applicant to attend an interview.

(iii) The Course Coordinator will forward recommendations on applications to the Dean for approval before forwarding official advice to all applicants on the outcome of their applications through Student Administration.

Course Structure

Candidates are required to obtain a total of 96 credit points from studies in coursework units and/or from research studies.

There are two compulsory units (24 credit points) which must be taken by all students, preferably in the early stages of their course:

EDN611 Understanding Educational Research 12

Plus the designated core unit from the chosen area of interest 12

In addition, students must complete at least two units (24 credit points) from one of the Areas of Interest. Areas of Interest that have been approved to date are:

- Adult & Workplace Education
- Business Education & Training
- Early Childhood Education
- Home Economics
- Language & Literacy Education
- Leadership & Management
- Learning Support & Inclusive Education
- Mathematics/Science/Computing Education
- Policy
- Professional Growth & Curriculum Leadership
- School Guidance & Counselling
- Social and Environmental Education

The remaining 48 credit points may be obtained in a variety of ways as indicated by the following four pathway options:

Option 1: students undertake EDN612 Conducting Educational Research and the 36 Credit Point Dissertation, or

Option 2: students undertake two electives from across the Areas of Interest and a 24 Credit Point Project, or

Option 3: students undertake three elective units from across the Areas of Interest and a 12 Credit Point Independent study, or

Option 4: students undertake four elective units from across the Areas of Interest.

2 In the case of this Area of Interest, only one unit (12 credit points) needs to be taken in addition to the core unit. Another unit should be taken from one of the other Areas of Interest.
**MASTER OF EDUCATION COURSE**

**Compulsory Component**

**TWO CORE UNITS**

<table>
<thead>
<tr>
<th>Core unit from chosen area of interest (see postscript 3)</th>
<th>Understanding Educational Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 cp</td>
<td>12 cp</td>
</tr>
</tbody>
</table>

**TWO AREA OF INTEREST UNITS**

<table>
<thead>
<tr>
<th>Elective 1</th>
<th>Elective 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 cp</td>
<td>12 cp</td>
</tr>
</tbody>
</table>

**Elective Component**

- **Conducting Educational Research** 12 cp
- **Dissertation** 36 cp
- **Project** 24 cp
- **Independent Study** 12 cp
- **Two elective units from across the areas of interest** 2 x 12 cp
- **Three elective units from across the areas of interest** 3 x 12 cp
- **Four elective units from across the areas of interest** 4 x 12 cp

(a) *Independent Study, Advanced Seminars* and *Advanced Research Unit* may be taken as elective units. Students should contact the Course Coordinator for further information about these units.

(b) One advanced level unit may also be selected as an elective from any Faculty within the University, subject to approval by the Course Coordinator.

(c) Those students capable of doing a larger component of research based on their GPA may consider transferring to the Master of Education (Research) course at any stage of their enrolment in the Master of Education course, in consultation with the Course Coordinator.

(d) Students enrolled in the Master of Education may take up to two units from a relevant Graduate Diploma under the following conditions:
- The units are approved by the Course Coordinator of the Master of Education;
- The students undergo an alternative assessment at the Masters level as approved by the Course Coordinator;
- Students have not done a unit in the same area in another course.
It should be noted that not all Areas of Interest will be available through external study in the first instance.

The diagram may help to clarify the various options available.

**Core Units**
EDN611 Understanding Educational Research 12
Plus the designated core unit from the chosen area of interest 12

**Individually Supervised Units**
Students should consult with the Course Coordinator for further information concerning enrolment in EDN603, EDN608 and EDN620.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDN620/1</td>
<td>36 Credit Point Dissertation Stage 1 12</td>
</tr>
<tr>
<td>EDN620/2</td>
<td>36 Credit Point Dissertation Stage 2 12</td>
</tr>
<tr>
<td>EDN620/3</td>
<td>36 Credit Point Dissertation Stage 3 12</td>
</tr>
<tr>
<td>EDN608/1</td>
<td>24 Credit Point Project Stage 1 12</td>
</tr>
<tr>
<td>EDN608/2</td>
<td>24 Credit Point Project Stage 2 12</td>
</tr>
<tr>
<td>EDN603</td>
<td>Independent Study 12</td>
</tr>
<tr>
<td>EDN602</td>
<td>Advanced Seminars 12</td>
</tr>
<tr>
<td>EDN612</td>
<td>Conducting Educational Research 12</td>
</tr>
</tbody>
</table>

**Area of Interest Units**

**LIST A: ADULT AND WORKPLACE EDUCATION (ADW)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUN605</td>
<td>Adult &amp; Workplace Education: Principles &amp; Practices 3 12</td>
</tr>
<tr>
<td>LAN611</td>
<td>Adult &amp; Workplace Literacy &amp; Numeracy 12</td>
</tr>
<tr>
<td>LEN608</td>
<td>Foundations of Adult Learning &amp; Development 12</td>
</tr>
<tr>
<td>SBN608</td>
<td>Strategies for Business Educators &amp; Trainers 12</td>
</tr>
</tbody>
</table>

**LIST B: BUSINESS EDUCATION AND TRAINING (BUE)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBN607</td>
<td>Business Administration Communications Education 12</td>
</tr>
<tr>
<td>SBN608</td>
<td>Strategies for Business Educators &amp; Trainers 12</td>
</tr>
<tr>
<td>SBN609</td>
<td>Strategies in Accounting &amp; Business Management Education 12</td>
</tr>
<tr>
<td>SBN610</td>
<td>Trends &amp; Issues in Business Education &amp; Training 3 12</td>
</tr>
</tbody>
</table>

**LIST C: EARLY CHILDHOOD EDUCATION (ECE)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAN601</td>
<td>Early Childhood Teachers' Knowledge in Action 3 12</td>
</tr>
<tr>
<td>EAN602</td>
<td>Early Childhood Services &amp; Policies 12</td>
</tr>
<tr>
<td>EAN603</td>
<td>Development in Early Childhood Contexts 12</td>
</tr>
<tr>
<td>EAN604</td>
<td>Young Children, Families &amp; Community 12</td>
</tr>
</tbody>
</table>

**LIST D: HOME ECONOMICS (HEC)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUN623</td>
<td>Home Economics, the Family &amp; the Politics of Feminism 12</td>
</tr>
<tr>
<td>PUN625</td>
<td>Home Economics Philosophical Foundations 3 12</td>
</tr>
</tbody>
</table>

**LIST E: LANGUAGE AND LITERACY EDUCATION (LLE)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAN609</td>
<td>Issues in Language &amp; Literacy Teaching 3 12</td>
</tr>
<tr>
<td>LAN611</td>
<td>Adult &amp; Workplace Literacy &amp; Numeracy 12</td>
</tr>
<tr>
<td>LAN621</td>
<td>Textual &amp; Cultural Studies for English Education 12</td>
</tr>
<tr>
<td>LAN622</td>
<td>Functional Grammar &amp; Discourse 12</td>
</tr>
</tbody>
</table>

**LIST F: LEADERSHIP AND MANAGEMENT (LEM)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPN603</td>
<td>Changing Agendas in Leadership Education 3 12</td>
</tr>
<tr>
<td>CPN604</td>
<td>Equity &amp; Education Management Issues &amp; Strategies 12</td>
</tr>
<tr>
<td>CPN605</td>
<td>Organisational Cultures &amp; Education Leadership 12</td>
</tr>
<tr>
<td>CPN606</td>
<td>Educational Leadership, Power &amp; Careers 12</td>
</tr>
<tr>
<td>EAN605</td>
<td>Education Management Processes &amp; Strategies 12</td>
</tr>
<tr>
<td>EAN606</td>
<td>Managing Education Personnel 12</td>
</tr>
</tbody>
</table>

**LIST G: LEARNING SUPPORT AND INCLUSIVE EDUCATION (LSI)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEN605</td>
<td>Learners with Special Needs: Programming for Inclusive Education 3 12</td>
</tr>
<tr>
<td>LEN606</td>
<td>Remediation of Learning Difficulties 12</td>
</tr>
</tbody>
</table>

3 This unit is a core unit for the Area of Interest.
Supervision

Supervision in the Master of Education course consists of two components:

(i) the supervision of individualised coursework units, and

(ii) the supervision of a dissertation/project.

SUPERVISION OF INDIVIDUALISED UNITS

Certain coursework units in particular areas of interest involve individual candidates working with supervising lecturers on a one-to-one basis. Here, candidates have the opportunity to explore and negotiate with their lecturers to engage in integrated professional experiences that are closely linked to the candidates' current professional needs. This interaction consists of a dialogue between candidate and lecturer to design an appropriate course of study for the particular units. Subsequently, they submit this plan of study to the Area of Interest Coordinator for approval.

SUPERVISION OF A DISSERTATION/PROJECT (subject to approval)

A dissertation must be submitted to conform with format, style and other guidelines as set out in the publication Guide to Thesis Presentation which is available from the Faculty of Education Office. For a project, it is not essential for students to adhere to the University guidelines on dissertations, although these may be found helpful.

(i) Dissertation/Project

(a) The nature of the dissertation/project must permit the candidate to demonstrate

4 This unit is a core unit for the Area of Interest.
the acquisition of relevant research skills and their effective application in an investigation of genuine substance and significance.

(b) By no later than the end of the first semester of enrolment in EDN620/1 36 credit points Dissertation (Stage I) or EDN608/1 24 credit points Project (Stage I) a plan for the full program must be prepared and signed by the candidate and the principal supervisor (who shall retain copies) and be lodged along with the appropriate Ethical Clearance forms with the relevant Head of School for endorsement.

(c) The dissertation/project must comprise a comprehensive, lucid and concise exposition on the context, objectives and conduct of the investigation and on its outcomes and their interpretation.

(ii) Supervision

(a) For each candidate undertaking a dissertation/project a Supervisor must be appointed. An appropriate Supervisor or supervisory team should be identified early in the program when the dissertation/project topic is chosen. An appointment will be made by the Faculty Academic Board on the advice of the relevant Head of School and the Course Coordinator.

(b) Candidates should meet regularly with their Supervisor to discuss progress, submit drafts or progress reports or present seminars where appropriate at least each semester, and seek guidance as necessary.

(c) Supervisors should be readily available to consult with candidates, should provide scholarly support and constructive criticism, and should assist as appropriate with access to facilities and any relevant external agencies.

Progression and Unsatisfactory Progress (subject to approval)

PROGRESSION

In each year of candidature the academic progress of each candidate shall be reviewed by the Course Coordinator. Satisfactory progress for provisional candidates will consist of passing of qualifying requirements or course units at appropriate exit levels. For candidates enrolled in the coursework degree, it will mean the successful completion of the relevant coursework units.

Progress reports will be submitted at designated intervals, normally at least twice each year, to the Higher Degrees Advisory Committee.

UNSATISFACTORY PROGRESS

(i) With respect to coursework studies, candidates who have failed two or more units or who have otherwise progressed unsatisfactorily, may have their candidature terminated on the recommendation of the Higher Degrees Advisory Committee.

(ii) With respect to the dissertation/project, progress which is considered clearly unsatisfactory by both the Supervisor and the Area of Interest Coordinator may lead to a recommendation by them to the Faculty Academic Board that the candidate be excluded from the course.

(iii) Before the Faculty Academic Board recommends termination of candidature, the candidate shall be given the opportunity to show cause why this action should not be taken.

Examination of the Dissertation/Project

SUBMISSION OF DISSERTATION/PROJECT

(i) A candidate should submit a minimum of three copies of a dissertation/project to the Course Coordinator for examination. These should be temporarily bound in order to
facilitate the making of any revisions and editorial changes required by examiners (if the dissertation/project is otherwise acceptable to them) before final printing and binding.

(ii) The dissertation/project should be accompanied by a signed declaration which states that:

(a) the candidate has complied with the ethics of experimentation as set out in the publication Guide to Thesis Presentation

(b) the dissertation/project is the candidate's own work and that all other sources are correctly acknowledged

(c) the dissertation/project has not been submitted to another institution.

EXAMINATION OF DISSERTATION/PROJECT (subject to approval)

(i) Each dissertation/project will be examined by at least two examiners appointed by the Faculty Academic Board on the recommendation of the Course Coordinator in consultation with the candidate and the Supervisor. Such appointments should be finalised from two to four weeks prior to the anticipated submission date of the dissertation/project. At least one of the examiners appointed for a 36 credit point dissertation will be external to the University. Examination of the project will be by an examining committee consisting of at least two examiners, one of whom may be the supervising lecturer and one of whom may be external to the University if that is seen to benefit the student.

(ii) An oral defence of a specific dissertation/project may be made a component of the overall dissertation examination procedure upon the recommendation of the Higher Degrees Advisory Committee. Should this be the case, the relevant Area of Interest Coordinator will normally act as Chairperson of the group of examiners for the oral examination. At such an examination, the attendance of observers, other than the Dean and relevant Head of School, is subject to the express approval of the Higher Degrees Advisory Committee.

(iii) Examiners must receive copies of the dissertation/project in reasonable time to permit its thorough consideration and appraisal before the date by which assessments are required or before any oral examination. Whether or not there is an oral examination, each examiner is required to submit a written assessment of the dissertation/project within eight weeks of its receipt.

(iv) These assessments will be presented on official forms available from the Faculty of Education Office (Higher Degree Administration Officer) and will deal with the general standard and quality of the work and not with specific detail. They will be submitted to the Course Coordinator by the specified date and, if there is to be an oral examination, before such oral examination. These assessments are individual and confidential and should not be made available to other examiners. Each should make one of the following recommendations:

(a) Pass – implying that the dissertation/project will be fully satisfactory except possibly for editorial changes

(b) Resubmit – implying that the dissertation/project will be fully acceptable when certain necessary corrections or modifications are made by the candidate and resubmitted to the examiners

(c) Fail – implying that the dissertation/project is not of an acceptable standard.

(v) In the case of all of the above, an examiner should provide, along with the official assessment form, a separate document indicating where corrections or modifications are required and, as appropriate, providing any constructive criticism and comment...
helpful to the candidate. An examiner will refer to any notably original contributions which the candidate has made and may comment on the scope for further research or postgraduate study. Such additional documents should be retained temporarily by the Course Coordinator.

(vi) The Course Coordinator will forward the set of examiner’s assessment forms (together with the additional signed judgments of each examiner respecting any oral examination) to the Higher Degrees Advisory Committee, attaching a formal recommendation based on the examiners’ reports. The Faculty Academic Board may accept or reject the recommendation.

(vii) If a recommendation of type (a) is accepted, the Higher Degrees Advisory Committee will ask the Course Coordinator to make the examiners’ requirements available to the candidate while maintaining the anonymity of the examiners, and will sign an official record indicating satisfaction of all dissertation/project requirements when advised by the Course Coordinator that all changes have been completed satisfactorily.

(viii) If a recommendation of type (b) is accepted, the Higher Degrees Advisory Committee will ask the relevant Course Coordinator to ensure that the candidate is requested to resubmit the dissertation/project with any necessary corrections or modifications and that the revised dissertation/project is forwarded to the examiners for assessment.

(ix) If the Faculty Academic Board accepts a recommendation of type (c) the normal implication is that the candidate will be excluded from the course. However, in exceptional circumstances, the Higher Degrees Advisory Committee may grant the candidate an opportunity to submit a substantially new dissertation/project after a period of not less than six months.

(x) Normally all examiners will be expected to rate the dissertation/project as meeting a satisfactory standard in order for a pass to be awarded. However, if there is substantial disagreement between examiners concerning the acceptability of a dissertation/project, the Faculty Academic Board may confer and seek further advice from the Higher Degree Advisory Committee before making a ruling.

(xi) If a candidate is required to revise and resubmit a dissertation/project, the examiners’ reports will be made available to the candidate, the anonymity of the examiners being maintained.

(xii) After the examination process is complete, examiners’ reports will be made available to the candidate on request. The names of examiners will be released on request providing the examiner has indicated willingness to have his or her identity revealed to the candidate.

**Admission to Degree**

Prior to admission to the award, a candidate must have three of the completed documents bound. Of these, one copy of the completed document must be submitted to the University Library, one to the Faculty Office, and one to the Principal Supervisor.

A candidate who:

(i) fulfils the requirements of these rules, and

(ii) whose work is of a standard that satisfies the Faculty Academic Board (after considering the results in all units and/or the reports of all examiners), and

(iii) has otherwise complied with the provisions of all statutes and other applicable rules may be admitted to the degree of Master of Education.
Master of Education (Research) (ED12)

Location: Kelvin Grove campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Erica McWilliam

Entry Requirements

A person may enrol as a candidate for the degree of Master of Education by research if that person holds:

(i) a four-year education-related degree with a grade point average of at least 5 (on a seven-point scale) or equivalent, with demonstrated potential for further study and evidence of professional standing, or

(ii) a graduate diploma in an education-related field with a grade point average of at least 5 (on a seven-point scale) or equivalent, with demonstrated potential for further study and evidence of professional standing, or

(iii) an Honours degree in an education-related field with a minimum of Honours IIA or IIB.

Applicants who do not have professional experience in an education-related field would normally be expected to demonstrate their potential for further study with a grade point average of 6 or better.

Applicants may be required to provide satisfactory formal evidence of proficiency in the English language.

PROVISIONAL ENROLMENT

In special circumstances and with the specific approval of the Dean, a person may be admitted to the Master of Education (Research) on a provisional basis. The conditions which must be satisfied to remove the provisional status must be detailed in writing by the Course Coordinator, endorsed by the Dean and placed on record by the Registrar.

Provisional status will not normally extend beyond one year.

PROCEDURE FOR ENROLMENT

Before submitting an application form to enter the course, a candidate should make contact with staff members who might act as supervisors for the research project. The application form requires the attachment of a preliminary research proposal and assistance from a potential supervisor or supervisors should be sought to prepare this preliminary proposal. The Course Coordinator will provide assistance by way of an introduction to the services provided by the Faculty in a manner which is sensitive to cross-cultural and gender identities of potential candidates. The Course Coordinator will provide applicants with names of suitable academic staff to approach about supervision. The availability of a suitable supervisor is a necessary prerequisite for admission into the course. Where research is to be conducted into equity matters in education, a supervisor will be provided.

Special Course Requirements

As a student proceeds through the four stages of the course, he or she will be required to submit a progress report to the Course Coordinator at the conclusion of each semester.

There is provision in the course structure for students to present their proposal and their research in progress to a research seminar. Such seminars will be held at regular intervals.
with the frequency depending on the number of research students. All students enrolled in
this course are to attend such seminars to present their own work and to discuss and evaluate
the work of their peers. Academic staff who are supervising research students are also
expected to attend seminars on a regular basis.

**Course Structure**

**STAGE 1: PREPARATION**

Acquisition of knowledge of a range of appropriate research methods and in-depth
knowledge of the research method to be used in the study; commencement of a
comprehensive literature search.

During the preparation stage, students will complete the unit EDN612 Conducting
Educational Research or a substitute approved by the Course Coordinator. Students who
have undertaken prior study of an equivalent nature may apply for an exemption from this
unit.

**STAGE 2: PROPOSAL**

Adoption of an appropriate research design for the proposed research; preparation of a
comprehensive research proposal including a draft review of the literature; presentation
and justification of the proposal to a seminar of other students and academic staff; trialling
of research procedures.

The research proposal must be approved by the Course Coordination Committee before
the student proceeds to the implementation stage.

**STAGE 3: IMPLEMENTATION**

Implementation of the research for the thesis; completion of the literature review.

**STAGE 4: SUBMISSION**

Completion and presentation of a thesis for approval by supervisor/s; production of the
thesis in a suitable form for examination.

There will be no pre-specified completion times or credit points allocated to these stages
as there is a large amount of variation in the time students take to move through the stages.

**TRANSFER OF CREDIT**

(i) On the recommendation of the Course Coordinator, the Dean may grant credit for
studies passed at an approved institution of higher education, provided that:

(a) the studies are of equivalent standard and value to those offered at the University
(b) the studies are appropriate to the candidate’s work at the University
(c) the studies have not counted towards a previous qualification
(d) the studies are not included in those that have been designated as qualifying
   studies for the course.

(ii) There shall be no maximum credit granted for units previously completed at this
     institution prior to enrolment in the Master of Education (Research) award.

(iii) The maximum credit granted for studies passed elsewhere shall be the equivalent to
     one semester of full-time study.

(iv) Credit may be granted for units passed elsewhere after enrolment in the Master of
     Education (Research) award, provided that the candidate has previously obtained
     the permission of the Dean to enrol in these units.

(v) Where credit is granted the Dean may reduce proportionately the candidate’s period
    of enrolment.

(iv) A candidate who is re-enrolling following withdrawal or termination of candidature
    may be granted credit for previously successful studies by the Dean upon the
    recommendation of the Course Coordinator.
Thesis Project

(i) The nature of the thesis research project must permit the candidate to demonstrate the acquisition of relevant research skills and their effective application to an investigation of genuine substance and significance.

(ii) Early planning must allow for the submission of an approved initial unit enrolment form to the Registrar by the published due date.

(iii) By no later than the end of the first semester a plan for the full program must be prepared and signed by the candidate and the Course Coordinator (who shall retain copies) and be lodged with the Registrar for endorsement by the Dean.

(iv) The thesis must comprise a comprehensive, lucid and concise exposition on the context, objectives and conduct of the investigation and on its outcomes and their interpretation.

Supervision

Supervision in the Master of Education (Research) award consists of the supervision of a thesis. The thesis must be submitted to conform with format, style and other guidelines as set out in the publication Guide to Thesis Presentation which is available from Student Administration.

(i) For each candidate undertaking a thesis project a Thesis Supervisor must be appointed. An appropriate Supervisor or supervisory team should be identified early in the program when the thesis topic is chosen. An appointment will be made by the Dean on the advice of the Course Coordinator.

(ii) Candidates should meet regularly with their Supervisor to discuss progress, submit drafts or progress reports or present seminars where appropriate at least each semester, and seek guidance as necessary.

(iii) Supervisors should be readily available to candidates, should provide scholarly support and constructive criticism, and should assist as appropriate with access to facilities and any relevant external agencies.

(iv) The Dean will not normally approve the appointment of any staff member as Thesis Supervisor to more than four candidates concurrently.

(v) In special circumstances and with the specific approval of the Dean, an external Supervisor may be appointed.

Progression and Unsatisfactory Progress

PROGRESSION

In each semester of the candidature the academic progress of each candidate shall be reviewed by the Course Coordinator. Satisfactory progress for provisional candidates will consist of passing qualifying requirements or course units at the appropriate levels. For students enrolled in research studies, satisfactory progress will be judged by the submission of a report to the Course Coordinator. Progress reports will be submitted at designated intervals, normally at least twice each year.

UNSATISFACTORY PROGRESS

(i) With respect to coursework studies, candidates who have failed two or more units or who have otherwise progressed unsatisfactorily may have their candidature terminated by the Dean.

(ii) With respect to the thesis project, progress which is considered clearly unsatisfactory by both the Supervisor and the Course Coordinator may lead to a recommendation by them to the Dean that the candidate be excluded from the course.
Before the Dean decides to terminate candidature, the candidate shall be given the opportunity to show cause why this action should not be taken.

Examination of the Thesis

SUBMISSION OF THESIS

(i) A candidate should submit a minimum of three copies of a thesis to the Course Coordinator for examination. These should be temporarily bound in order to facilitate the making of any revisions and editorial changes required by examiners (if the thesis is otherwise acceptable to them) before final printing and binding.

(ii) The thesis should be accompanied by a signed declaration that:

(a) the candidate has complied with the ethics of experimentation as set out in the publication Guide to Thesis Presentation

(b) the thesis is the candidate's own work and that all other sources are correctly acknowledged

(c) the thesis has not been submitted to another institution.

EXAMINATION OF THESIS

(i) Each thesis will be examined by at least two examiners appointed by the Higher Degrees Advisory Committee on the recommendation of the Course Coordinator in consultation with the candidate and the Supervisor. Such appointments should be finalised from two to four weeks prior to the anticipated submission date of the thesis. At least one of the examiners appointed will be external to the University, with the exception of the 24 credit point dissertation.

(ii) An oral defence of a thesis may be made a component of the overall thesis examination procedure upon the recommendation of the Advisory Committee. Should this be the case, the Course Coordinator will normally act as Chairperson of the group of examiners for the oral examination. At such an examination, the attendance of observers other than the Dean and the relevant Head of School is subject to the express approval of the Higher Degrees Advisory Committee.

(iii) Examiners must receive copies of the thesis in reasonable time to permit its thorough consideration and appraisal before the date by which assessments are required or before any oral examination. Whether or not there is an oral examination, each examiner is required to submit a written assessment of the thesis within eight weeks of its receipt.

(iv) These assessments will be presented on official forms available from the Faculty Office (Higher Degrees Administration Officer) and will deal with the general standard and quality of the work and not with specific detail. They will be submitted to the Course Coordinator by the specified date and, if there is to be an oral examination, before this examination. These assessments are individual and confidential and should not be made available to other examiners. Each should make one of the following recommendations:

(a) Pass – implying that the thesis will be fully satisfactory except possibly for editorial changes

(b) Resubmit – implying that the thesis will be fully acceptable when certain necessary corrections or modifications are made by the candidate and resubmitted to the examiners

(c) Fail – implying that the thesis is not of an acceptable standard.

(v) In the case of (a) and (b) above, an examiner should provide, along with the official assessment form, a separate document indicating where corrections or modifications
are required and, as appropriate, providing any constructive criticism and comment helpful to the candidate. An examiner will refer to any notably original contributions which the candidate has made and may comment on the scope for further research or postgraduate study. Such additional documents should be retained temporarily by the Course Coordinator.

(vi) The Course Coordinator will forward the set of examiner's assessment forms (together with the additional signed judgments of each examiner respecting any oral examination) to the Higher Degrees Advisory Committee, attaching a formal recommendation based on the examiners' reports. The Faculty Academic Board may accept or object the recommendation.

(vii) If a recommendation of type (a) is accepted, the Higher Degrees Advisory Committee will ask the Course Coordinator to make the examiners' requirements available to the candidate while maintaining the anonymity of the examiners, and will sign an official record indicating satisfaction of all thesis requirements when advised by the Course Coordinator that all required changes have been completed satisfactorily.

(viii) If a recommendation of type (b) is accepted, the Higher Degrees Advisory Committee will ask the Course Coordinator to ensure that the candidate is requested to submit the thesis with any necessary corrections or modifications and that the revised thesis is forwarded to the examiner for assessment.

(ix) If the Faculty Academic Board accepts a recommendation of type (c) the normal implication is that the candidate will be excluded from the course. However, in exceptional circumstances the Higher Degrees Advisory Committee may grant the candidate an opportunity to submit a substantially new thesis after a period of not less than six months.

(x) A third examiner who is external to the University will be appointed to provide a report in the event of disagreement between the two examiners initially appointed. This person would be appointed after consultation between supervisors and the Course Coordinator.

(xi) If a candidate is required to revise and resubmit a thesis, the examiners' reports will be made available to the candidate, the anonymity of the examiners being maintained.

(xii) After the examination process is complete, examiners' reports will be made available to the candidate on request. The names of examiners will be released on request providing each examiner has indicated willingness to have his or her identity revealed to the candidate.

Master of Education – Teaching English to Speakers of Other Languages (TESOL) (ED14)

Location: Kelvin Grove campus

Course Duration: 1 to 1.5 years full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Ed Burke

Tuition Fees (Domestic Students): $720 per 12 credit point unit ($60 per credit point)

Entry Requirements

Candidates will be admitted to the course who:
(i) hold an appropriate Bachelor degree or equivalent at a standard acceptable to the Dean of the Faculty, or

(ii) hold other qualifications acceptable to the Dean which may include substantial work experience in TESOL or involvement in other relevant professional or research activities, and

have had at least one year’s practical experience in some branch of education acceptable to the Dean.

Applicants who are non-native speakers of English must undertake and present the results of an English test approved by the University and obtained within twelve months prior to application.

GRADUATE CERTIFICATE IN EDUCATION (TESOL) – EXIT POINT
Following the successful completion of four MEd(TESOL) units (including two core units and two electives), students may elect either to discontinue enrolment and graduate with a GradCertEd(TESOL), or to pursue a further four units in order to complete the MEd(TESOL). Students wishing to exercise this option should contact the Faculty office for information on how to proceed.

PROVISIONAL ENROLMENT
Students who do not meet the entry requirements may be admitted on a provisional basis and be required to undertake preliminary coursework and reading as determined by the Course Coordinator. After satisfactory completion of the preliminary studies students may be admitted to full candidature.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDN611 Understanding Educational Research</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAN608 Second Language Acquisition</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAN612 Principles of Second Language Methodology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAN613 Second Language Curriculum Design Options</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Year 1, Semester 2
Option 1
- Elective Unit selected from List A | 12 |
- Elective Unit selected from List A | 12 |
- Elective Unit selected from List A | 12 |

Option 2
- Elective Unit selected from List A | 12 |
- Elective Unit selected from List A | 12 |
- EDN608/1 24 cp Dissertation/Project (Stage 1) | 12 |
- EDN608/2 24 cp Dissertation/Project (Stage 2) | 12 |

Part-Time Course Structure

Year 1, Semester 1
- LAN608 Second Language Acquisition | 12 | 3 |
- LAN612 Principles of Second Language Methodology | 12 | 3 |

Year 1, Semester 2
- Elective Unit selected from List A | 12 |
- Elective Unit selected from List A | 12 |

Year 2, Semester 1
- EDN611 Understanding Educational Research | 12 | 3 |
- LAN613 Second Language Curriculum Design Options | 12 | 3 |

Year 2, Semester 2
Option 1
- Elective Unit selected from List A | 12 |
- Elective Unit selected from List A | 12 |
Option 2
EDN608/1 24 cp Dissertation/Project (Stage 1) 12
EDN608/2 24 cp Dissertation/Project (Stage 2) 12

**Intensive Mode**

**Block Session 1**
LAN608  Second Language Acquisition 12
LAN612  Principles of Second Language Methodology 12
LAN614  Research Methods in Second Language Education 12
OR
LAN617  Personalised Language Development 12

**Block Session 2**
LAN613  Second Language Curriculum Design Options 12
LAN615  Directed Reading in Second Language Education 12
LAN619  Discourse Analysis 12
OR
LAN620  Language & Culture 12

**Block Session 3**
LAN616  Language Assessment & Program Evaluation in TESOL 12
LAN618  Technology & Second Language Learning 12
OR
EDN608/1 24 cp Dissertation/Project (Stage 1) 12
EDN608/2 24 cp Dissertation/Project (Stage 2) 12

**Elective List A**

Students on the MEd(TESOL) may, with the approval of the Course Coordinator, enrol in a maximum of two units offered within the Faculty of Education or within other Faculties of QUT. These units may be taken in lieu of electives within the MEd(TESOL).

LAN615  Directed Reading in Second Language Education 12
LAN616  Language Assessment & Program Evaluation in TESOL 12
LAN617  Personalised Language Development 12
LAN618  Technology & Second Language Learning 12
LAN619  Discourse Analysis 12
LAN620  Language & Culture 12

**GUIDELINES FOR A PROJECT**

It is not essential for students who are completing a Project to adhere to the University guidelines on dissertations, although students may find these useful. See the course entry for Master of Education (ED13) for the guidelines on dissertations.

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**Graduate Diploma in Education (Computer Education) (ED21)**

**Location:** Kelvin Grove campus

**Course Duration:** 2 years part-time internal or external

**Total Credit Points:** 96

**Standard Credit Points/Part-Time Semester:** 24

**Course Coordinator:** Mr Paul Shield

**Entry Requirements**

To be eligible for admission, an applicant must:

(i)  hold an approved Bachelor Degree, Diploma of Teaching or equivalent

(ii)  have had at least one year's teaching experience.
## Graduate Diploma in Education (Computer Education) Sequences of Study Options

<table>
<thead>
<tr>
<th>MODE</th>
<th>YEAR 1</th>
<th>YEAR 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Semester 1</td>
<td>Semester 2</td>
</tr>
<tr>
<td>Secondary Computer Studies</td>
<td>MDP532 Computer Systems in an Education Context</td>
<td>MDP503 Information Systems in Education</td>
</tr>
<tr>
<td></td>
<td>MDP537 Major Issues in Computer Education</td>
<td>MDP535 Educational Software Development</td>
</tr>
<tr>
<td>Secondary General</td>
<td>MDP530 Computer Applications in Education</td>
<td>MDP503 Information Systems in Education</td>
</tr>
<tr>
<td></td>
<td>MDP537 Major Issues in Computer Education</td>
<td>MDP531 Investigations into Computer Aided Learning</td>
</tr>
<tr>
<td>Primary</td>
<td>MDP530 Computer Applications in Education</td>
<td>MDP503 Information Systems in Education</td>
</tr>
<tr>
<td></td>
<td>MDP537 Major Issues in Computer Education</td>
<td>MDP508 Computer Use in the Primary Curriculum</td>
</tr>
<tr>
<td>TAFE</td>
<td>MDP532 Computer Systems in an Educational Context</td>
<td>MDP503 Information Systems in Education</td>
</tr>
<tr>
<td></td>
<td>MDP530 Computer Applications in Education</td>
<td>MDP535 Educational Software Development</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
External students will need to have access to a computer system which supports the languages Pascal (preferably Turbo Pascal), Logo, and PROLOG (preferably Turbo PROLOG), and which includes a disk drive and printer. Although some software resources are available for borrowing, external students will normally be expected to provide their own software.

It is highly desirable that external students have access to an IBM PC or compatible for at least some parts of the course.

Course Structure
To meet course requirements, students must complete four core units and four elective units. Elective units may be chosen from either List A or List B.

The following units are scheduled in Semester 1

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDP532</td>
<td>Computer Systems in an Educational Context (core)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP537</td>
<td>Major Issues in Computer Education (core)</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

List A: Elective Units

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDP507</td>
<td>Teaching Secondary Computer Studies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP530</td>
<td>Computer Applications in Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP533</td>
<td>Teaching Information Systems Modelling</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP536</td>
<td>Computer Graphics in Teaching</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

The following units are scheduled in Semester 2

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDP503</td>
<td>Information Systems in Education (core)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP506</td>
<td>Computer Education Project (core)</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Four units must be completed at a grade of 4 or above before MDP506 can be undertaken.

List B: Elective Units (2 to be chosen)

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDP504</td>
<td>School Administration using Information Technology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP508</td>
<td>Computer Use in the Primary Curriculum</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP531</td>
<td>Investigations into Computer Aided Learning</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP534</td>
<td>Educational Applications of Artificial Intelligence</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP535</td>
<td>Educational Software Development</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Some possible sequences of study are given below. Other sequences are possible within the prerequisite structure of the course. It is suggested that those applicants with little knowledge of computing do MDP530 in their first semester.

It is suggested that those applicants with little knowledge of computing do the elective unit MDP530 Computer Applications in Education in their first semester. Normally MDP530 may only be attempted in the first semester of the first year of study. Students in other than their first year of study will only be allowed to undertake MDP530 with the explicit approval of the Course Coordinator.

Graduate Diploma in Education (Curriculum) (ED22)

Course Discontinued: The Graduate Diploma in Education (Curriculum) course has been phased out. There will be no further intake into this course. Students who have not completed course requirements should contact the Course Coordinator or the Faculty office for advice on an enrolment program. Students will be required to complete equivalent units from the Bachelor of Education (Inservice).

Location: Kelvin Grove campus

Total Credit Points: 96

Course Coordinator: Dr Roy Ballantyne
Graduate Diploma in Education (Early Childhood) (ED20)

Location: Kelvin Grove campus

Course Duration: 2 years external

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Nicola Yelland

Entry Requirements

To be eligible for admission, an applicant must hold the following:

(i) an appropriate degree, diploma or equivalent, and
(ii) at least one year’s teaching experience, and
(iii) current teacher registration.

Special Course Requirements

Students should note that there is a compulsory period of two weeks’ practice teaching (or more, according to Individual Teaching Experience Profiles) with children in the early childhood age range, to be undertaken at the completion of the first four units of the course. Students employed as teachers need to complete these practice periods during school holidays in a specially organised setting. A further compulsory period of two weeks with children in the early childhood age range is held toward the end of the course to provide opportunities for extending practical knowledge of program design and evaluation. Some students may need to undertake this practicum during school holidays.

Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAP528</td>
<td>Change in Children Birth to Age Eight</td>
</tr>
<tr>
<td>EAP529/1</td>
<td>Early Childhood Education 1 &amp; 2</td>
</tr>
<tr>
<td>Year 1, Semester 2</td>
<td></td>
</tr>
<tr>
<td>EAP529/2</td>
<td>Early Childhood Education 1 &amp; 2</td>
</tr>
<tr>
<td>EAP530</td>
<td>The Context of Early Childhood Education</td>
</tr>
<tr>
<td>EDP508</td>
<td>Practicum in Early Childhood 1&lt;sup&gt;5&lt;/sup&gt;</td>
</tr>
<tr>
<td>Summer School</td>
<td></td>
</tr>
<tr>
<td>EDP508</td>
<td>Practicum in Early Childhood 1&lt;sup&gt;5&lt;/sup&gt;</td>
</tr>
<tr>
<td>Year 2, Semester 1</td>
<td></td>
</tr>
<tr>
<td>EAP526</td>
<td>Early Childhood Education 3</td>
</tr>
<tr>
<td>EAP531</td>
<td>Research in Early Childhood</td>
</tr>
<tr>
<td>Year 2, Semester 2</td>
<td></td>
</tr>
<tr>
<td>EAP525</td>
<td>Early Childhood Program Planning</td>
</tr>
<tr>
<td>EAP532</td>
<td>Transactions in Early Childhood Education</td>
</tr>
<tr>
<td>EDP509</td>
<td>Practicum in Early Childhood 2&lt;sup&gt;5&lt;/sup&gt;</td>
</tr>
<tr>
<td>Summer School</td>
<td></td>
</tr>
<tr>
<td>EDP509</td>
<td>Practicum in Early Childhood 2&lt;sup&gt;5&lt;/sup&gt;</td>
</tr>
</tbody>
</table>

Special note for students who commenced the course prior to 1994

Students who commenced the Graduate Diploma in Education (Early Childhood) course prior to 1994 and have not yet completed course requirements should contact the Course Coordinator or the Faculty of Education Office for advice on an enrolment program.

<sup>5</sup> EDP508 Practicum in Early Childhood 1 and EDP509 Practicum in Early Childhood 2 are offered in Semester 2 or Summer School.
Graduate Diploma in Education (Educational Management) (ED23)

Location: Kelvin Grove campus (some units may be provided at Gardens Point campus)
Course Duration: 2 years part-time or external
Total Credit Points: 96
Standard Credit Points/Part-Time Semester: 24
Course Coordinator: Ms Di Nailon

Entry Requirements
To be eligible an applicant must have:
(i) an appropriate teaching/education or other relevant qualification at diploma, degree or graduate diploma level
(ii) at least one year's experience in an educational setting.

Applicants who do not meet the requirements for normal entry may present documentary evidence of experience and abilities with the standard application form.

Applicants may be selected for interview prior to an offer being made.

Part-Time Course Structure (Internal)

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>12</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAP512 Policies &amp; Practices in Educational Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN409 Introduction to Management</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>12</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAP513 Educational Services Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit selected from Lists A–C</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>12</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB110 Accounting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit selected from Lists A–C</td>
<td>12</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>12</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDP514 Field Project</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit selected from Lists A–C</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>EDP516 Extended Field Project6</td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

Elective Units
Note: Only one List B Elective Unit can be chosen for entire course.

Semester 1

List A: Educational Management Elective Units (Faculty of Education)

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUB444 Educators &amp; the Law</td>
<td>12</td>
</tr>
<tr>
<td>EAP515 Human Resource Management in Education</td>
<td>12</td>
</tr>
<tr>
<td>EDB440 Independent Study7</td>
<td>12</td>
</tr>
<tr>
<td>LEB480 Research Methods in Education</td>
<td>12</td>
</tr>
</tbody>
</table>

List B: Business Elective Units (Faculty of Business)

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB323 Small Business Management</td>
<td>12</td>
</tr>
<tr>
<td>MGN412 People in Organisations</td>
<td>12</td>
</tr>
<tr>
<td>BSB116 Marketing &amp; International Business</td>
<td>12</td>
</tr>
</tbody>
</table>

6 Students wishing to complete an Extended Field Project (24 credit points) must negotiate with the Course Coordinator prior to enrolment.

7 The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.
Semester 2

List A: Educational Management Elective Units (Faculty of Education)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUB444</td>
<td>Educators &amp; the Law</td>
<td>12</td>
</tr>
<tr>
<td>EAB440</td>
<td>Working with Parents &amp; the Community</td>
<td>12</td>
</tr>
<tr>
<td>EAP500</td>
<td>Early Childhood Leadership &amp; Advocacy</td>
<td>12</td>
</tr>
<tr>
<td>EDB440</td>
<td>Independent Study</td>
<td>12</td>
</tr>
<tr>
<td>LEB480</td>
<td>Research Methods in Education</td>
<td>12</td>
</tr>
</tbody>
</table>

List B: Business Elective Units (Faculty of Business)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB303</td>
<td>Entrepreneurship</td>
<td>12</td>
</tr>
<tr>
<td>MGB323</td>
<td>Small Business Management (Gardens Point)</td>
<td>12</td>
</tr>
<tr>
<td>MGN410</td>
<td>Labour-Management Relations (Gardens Point)</td>
<td>12</td>
</tr>
</tbody>
</table>

List C: Other Elective Unit

One unit may be chosen from across the University. Options must be negotiated with the Course Coordinator prior to enrolling in the unit.

Part-Time Course Structure (External)

The external mode has six core units and one or two elective units, depending on the size (12 or 24 credit points) of a student’s field project. These units are offered by the Faculty of Education.

Year 1, Semester 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAP512</td>
<td>Policies &amp; Practices in Educational Management</td>
<td>12</td>
</tr>
<tr>
<td>EAP518</td>
<td>Managing the Curriculum</td>
<td>12</td>
</tr>
</tbody>
</table>

Year 1, Semester 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAP513</td>
<td>Educational Services Management</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Elective Unit selected from List D</td>
<td>12</td>
</tr>
</tbody>
</table>

Year 2, Semester 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAP515</td>
<td>Human Resource Management in Education</td>
<td>12</td>
</tr>
<tr>
<td>SBP517</td>
<td>Financial Management in Education Settings</td>
<td>12</td>
</tr>
</tbody>
</table>

Year 2, Semester 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDP514</td>
<td>Field Project and Elective Unit selected from List D</td>
<td>12</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDP516</td>
<td>Extended Field Project</td>
<td>24</td>
</tr>
</tbody>
</table>

List D: Electives

Choose 1 or 2 of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAB440</td>
<td>Working with Parents &amp; the Community</td>
<td>12</td>
</tr>
<tr>
<td>EAP500</td>
<td>Early Childhood Leadership &amp; Advocacy</td>
<td>12</td>
</tr>
<tr>
<td>EDB440</td>
<td>Independent Study (Guide available from Faculty of Education)</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>One other elective to be negotiated (available externally)</td>
<td></td>
</tr>
</tbody>
</table>

Graduate Diploma in Education (Learning Support) (ED28) (formerly Resource Teaching – ED24)

Location: Kelvin Grove campus

Course Duration: 1 year full-time, 2 years part-time or external

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Sue Burroughs-Lange

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8 The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.
Entry Requirements
To be eligible for admission, an applicant must:
(i) hold an appropriate degree or Diploma of Teaching (or equivalent)
(ii) have a minimum of two years’ successful teaching experience
(iii) be recommended by their employing authority as having general personal suitability
to fulfil the resource/support teacher duties.

Special Note: Please note this course has only had a change of course title and the course structure has not altered. Continuing students will undertake the program as indicated below.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEB480</td>
<td>Research Methods in Education</td>
<td>12</td>
</tr>
<tr>
<td>LEP523</td>
<td>Learners with Special Needs</td>
<td>12</td>
</tr>
<tr>
<td>LEP525</td>
<td>Remediating Learning Difficulties</td>
<td>12</td>
</tr>
<tr>
<td>MDP529</td>
<td>Assessment &amp; Remediation in Mathematics</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPP501</td>
<td>Socio-cultural Issues in Education</td>
<td>12</td>
</tr>
<tr>
<td>CUP503</td>
<td>Curriculum: Learners with Special Needs</td>
<td>12</td>
</tr>
<tr>
<td>LEP524</td>
<td>Developing Relationships &amp; Groups</td>
<td>12</td>
</tr>
<tr>
<td>LEP526</td>
<td>Study Skills, Literacy &amp; Learning</td>
<td>12</td>
</tr>
</tbody>
</table>

If numbers are insufficient to offer full-time classes, students will be able to study the course by a combination of evening and external study within one year.

Part-Time (Evening and External) Course Structure
While all units are to be offered each year, students studying in the part-time and external modes are advised to enrol in the two-year cycle shown below if seeking to complete the course in minimum time. Those not pursuing course completion in minimum time may choose appropriate units as available.

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEP525</td>
<td>Remediating Learning Difficulties</td>
<td>12</td>
</tr>
<tr>
<td>MDP529</td>
<td>Assessment &amp; Remediation in Mathematics</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEP524</td>
<td>Developing Relationships &amp; Groups</td>
<td>12</td>
</tr>
<tr>
<td>LEP526</td>
<td>Study Skills, Literacy &amp; Learning</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEB480</td>
<td>Research Methods in Education</td>
<td>12</td>
</tr>
<tr>
<td>LEP523</td>
<td>Learners with Special Needs</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPP501</td>
<td>Socio-cultural Issues in Education</td>
<td>12</td>
</tr>
<tr>
<td>CUP503</td>
<td>Curriculum: Learners with Special Needs</td>
<td>12</td>
</tr>
</tbody>
</table>

Graduate Diploma in Education (Teacher-Librarianship) (ED25)

Location: Kelvin Grove campus
Course Duration: 1 year full-time external; 2 years part-time or external
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr Geoff Chapman

Entry Requirements:
To be eligible for admission, an applicant must:
(i) hold an appropriate degree, diploma or equivalent qualification, including an approved teaching qualification
(ii) have had proven satisfactory teaching experience, normally at least three years in the last ten
(iii) have personal suitability. Personal suitability is determined on the basis of a 750 word statement and referees' reports.

Professional Recognition
The course is recognised by the Australian Library and Information Association as a specialist professional qualification.

Special Course Requirements
This course is offered by evening classes and external study. It may be completed in combinations of evening and external study. The external mode requires attendance at a three-day study school.

To meet course requirements students must complete satisfactorily six compulsory core units and two elective units.

Course Structure
Full-Time, Part-Time (during the day and/or evening) or External
The course comprises six core units and two elective units.

Semester 1
Core Units
<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Credit</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAP501</td>
<td>Foundations of Teacher-Librarianship</td>
<td>12</td>
<td>3 (Evening), External</td>
</tr>
<tr>
<td>LAP502</td>
<td>Curriculum &amp; Related Resources</td>
<td>12</td>
<td>3 External</td>
</tr>
<tr>
<td>LAP503</td>
<td>Literature &amp; Literacy: Resources &amp; Strategies</td>
<td>12</td>
<td>3 (Evening), External</td>
</tr>
<tr>
<td>LAP504</td>
<td>School Library Resources: Organisation &amp; Access</td>
<td>12</td>
<td>3 External</td>
</tr>
<tr>
<td>LAP505</td>
<td>Communication &amp; Management in School</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAP506</td>
<td>Library Resource Centres (Prerequisite LAP501)</td>
<td>12</td>
<td>External</td>
</tr>
</tbody>
</table>

Elective Units
<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>List</th>
<th>Credit</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISP811</td>
<td>Books &amp; Publishing</td>
<td>A</td>
<td>12</td>
<td>External</td>
</tr>
<tr>
<td>LAP507</td>
<td>Australian Literature for Young People</td>
<td></td>
<td>12</td>
<td>External</td>
</tr>
<tr>
<td>LAP509</td>
<td>Directed Study</td>
<td>C</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>LAP515</td>
<td>Resource Services for Special Needs</td>
<td>A</td>
<td>12</td>
<td>External</td>
</tr>
</tbody>
</table>

Semester 2
Core Units
<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Credit</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAP501</td>
<td>Foundations of Teacher-Librarianship</td>
<td>12</td>
<td>External</td>
</tr>
<tr>
<td>LAP502</td>
<td>Curriculum &amp; Related Resources</td>
<td>12</td>
<td>3 (Evening), External</td>
</tr>
<tr>
<td>LAP503</td>
<td>Literature &amp; Literacy: Resources &amp; Strategies</td>
<td>12</td>
<td>3 External</td>
</tr>
<tr>
<td>LAP504</td>
<td>School Library Resources: Organisation &amp; Access</td>
<td>12</td>
<td>External</td>
</tr>
<tr>
<td>LAP505</td>
<td>Communication &amp; Management in School</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAP506</td>
<td>Library Resource Centres (Prerequisite LAP501)</td>
<td>12</td>
<td>External</td>
</tr>
</tbody>
</table>

Elective Units
<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>List</th>
<th>Credit</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISP811</td>
<td>Books &amp; Publishing</td>
<td>A</td>
<td>12</td>
<td>External</td>
</tr>
<tr>
<td>LAP509</td>
<td>Directed Study</td>
<td>C</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>LAP512</td>
<td>Literature for Young People</td>
<td>A</td>
<td>12</td>
<td>External</td>
</tr>
<tr>
<td>LAP517</td>
<td>Storytelling</td>
<td></td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>LAP518</td>
<td>Visual Literacy &amp; Resource Design</td>
<td>B</td>
<td>12</td>
<td>External</td>
</tr>
</tbody>
</table>
Elective Unit List
Elective units provide opportunities for students to extend their competence in specialised areas falling within overall course objectives.

These elective units are offered over four semesters:

List A: Literature/Resources
- ISP811 Books & Publishing 12 External
- LAP507 Australian Literature for Young People 12 External
- LAP511 Literacy Education & Libraries 12 External
- LAP512 Literature for Young People 12 External
- LAP515 Resource Services for Special Needs 12 External
- LAP517 Storytelling 12 3 External
- LAP518 Visual Literacy & Resource Design 12 External

List B: Systems/Management/Communication
- LAP510 Interactive Technologies in Instruction 12 External
- LAP513 Media Literacy & the School 12 External
- LAP514 Reference Services & Materials 12 External

List C
- LAP509 Directed Study 12
- LAP516 Special Seminar 12 May vary

Note: Students may select elective units from the Graduate Diploma in Library Science and from other University courses as approved by the Course Coordinator.

Graduate Diploma in Education (Pre-service) Early Childhood (ED35)
Graduate Diploma in Education (Pre-service) Primary (ED36)
Graduate Diploma in Education (Pre-service) Secondary (ED37)

Location: Kelvin Grove campus (some unit areas are located at Carseldine and Gardens Point campuses)

Course Duration: 1 year full-time, 2 years part-time (ED37 Science and Music only)

Total Credit Points: 96

Course Coordinator: Dr Ian Macpherson

Associate Course Coordinators
Early Childhood: Dr Sue Grieshaber
Primary: Dr Jenny Campbell
Secondary: Dr Jillian Brannock

General Entry Requirements
To be eligible for consideration, applicants:
(i) must have at least an undergraduate degree or equivalent from a recognised tertiary institution
(ii) must have proficiency in English as determined by University requirements.

Additional Entry Requirements – Secondary
Students select two areas of specialisation within Curriculum Studies. The specialisation through which entry to the course is sought is designated the major area (Curriculum A); the other specialisation is designated the minor area (Curriculum B). See details of the specialisations below.
For entry to the two selected specialisations, students need to have completed tertiary studies relevant to the specialisations, as follows:

- for the major curriculum area – at least one-third of an undergraduate course
- for the minor curriculum area – at least one-sixth of an undergraduate course.

In some of the curriculum areas, additional Entry Requirements may apply, for example:

- level of attainment in the relevant tertiary studies
- range and/or depth of relevant tertiary studies
- other aspects of suitability, as assessed through interview, audition (Drama, Dance, Music) or presentation of folio of work (Visual Arts).

Course Structure

Students complete 24 credit points of Education Studies and 72 credit points of Curriculum Studies which incorporates Professional Practice.

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EARLY CHILDHOOD – ED35**

**Year 1, Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPP411/1</td>
<td>Understanding Education in Contemporary Australia</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>EAP411</td>
<td>Creativity &amp; Language 1</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>EAP412</td>
<td>Thinking &amp; Problem Solving 1</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>EAP413</td>
<td>Program Planning &amp; Teaching Strategies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEP413/1</td>
<td>Human Development &amp; Learning</td>
<td>6</td>
<td>3</td>
</tr>
</tbody>
</table>

**Professional Practice Component**

This component of the unit Program Planning and Teaching Strategies 1 provides students with first-hand experience in a range of early childhood settings, including child care centres, kindergartens, preschools and lower primary. Emphasis is placed on observation, planning, implementing, evaluating and record-keeping.

Contact: 2 x 2 single days and 2 x 2 week block sessions; 1 week of field experience in conjunction with on-campus component.

**Year 1, Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPP411/2</td>
<td>Understanding Education in Contemporary Australia</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>EAP416</td>
<td>Creativity &amp; Language 2</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>EAP417</td>
<td>Thinking &amp; Problem Solving 2</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>EAP418</td>
<td>Program Planning &amp; Teaching Strategies 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEP413/2</td>
<td>Human Development &amp; Learning</td>
<td>6</td>
<td>3</td>
</tr>
</tbody>
</table>

**Professional Practice Component**

This component of the unit Program Planning and Teaching Strategies 2 provides students with first-hand experience in a range of early childhood settings, including child care centres, kindergartens, preschools and lower primary. Emphasis is placed on observation, planning, implementing, evaluating, administration, parent programs and record-keeping.

Contact: 1 x 2 days and 2 x 3 week block sessions

**PRIMARY – ED36**

**Year 1, Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPP411/1</td>
<td>Understanding Education in Contemporary Australia</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>CUP420</td>
<td>Professional &amp; Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAP440</td>
<td>Language &amp; Literacy 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEP413/1</td>
<td>Human Development &amp; Learning</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>MDP450</td>
<td>Mathematics, Science &amp; Technology 1</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

**Professional Practice Component**

Orientation to the primary school. Planning, implementation and lesson closure: teaching tasks of increasing complexity from micro-teaching to full-scale responsibility for planning,
implementing, closing a lesson. Initiative and individuality in lesson, module and unit planning and implementation.

Contact: 5 single Thursdays and a 4 week block session

**Year 1, Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit 1</th>
<th>Credit 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPP411/2</td>
<td>Understanding Education in Contemporary Australia</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>CUP421</td>
<td>Professional &amp; Curriculum Studies 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAP441</td>
<td>Language &amp; Literacy 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEP413/2</td>
<td>Human Development &amp; Learning</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>MDP451</td>
<td>Mathematics, Science &amp; Technology 2</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

**Professional Practice Component**

Knowledge gained from in-depth contextual studies and curriculum and professional studies is used to prepare a total program of work. This is fully implemented in a final two weeks of practice. School and community domains are also studied in preparation for beginning teaching.

Contact: 5 single Thursdays and a 4 week block session

**SECONDARY – ED37**

**Year 1, Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit 1</th>
<th>Credit 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPP411/1</td>
<td>Understanding Education in Contemporary Australia</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>CUP405</td>
<td>Teaching Studies (to be taken in association with</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Curriculum major)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LEP413/1</td>
<td>Human Development &amp; Learning</td>
<td>6</td>
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</tr>
<tr>
<td></td>
<td>Curriculum Studies 1A Unit</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Curriculum Studies 1B Unit</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

**Professional Practice Component**

Orientation to the secondary school. Planning, teaching and evaluation: developing responsibility first for teaching single lessons and subsequently for a series of lessons. Interpersonal relations: relating effectively to students as learners and teachers as colleagues.

Contact: 5 week block session

**Year 1, Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit 1</th>
<th>Credit 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPP411/2</td>
<td>Understanding Education in Contemporary Australia</td>
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<td>3</td>
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<tr>
<td>LEP413/2</td>
<td>Human Development &amp; Learning</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Curriculum Studies 2A Unit</td>
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</tr>
<tr>
<td></td>
<td>Curriculum Studies 2B Unit</td>
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</tr>
<tr>
<td></td>
<td>Career Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

**Professional Practice Component**

Knowledge gained from indepth contextual studies and curriculum and professional studies is used to prepare, teach, and evaluate units of work. Key foci of the study of school and community domains include social justice and equity policies. Foci on schools, school and classroom management programs, situated knowledge base on beginning teacher.

Contact: 6 week block session

**Part-Time Course Structure (Science and Music only)**

(This offering is subject to viability)

**Year 1, Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit 1</th>
<th>Credit 2</th>
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</thead>
<tbody>
<tr>
<td>CUP406/1</td>
<td>Teaching Studies (to be taken in association with</td>
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<td>Curriculum major)</td>
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<tr>
<td>LEP413/1</td>
<td>Human Development &amp; Learning</td>
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<td>3</td>
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<tr>
<td></td>
<td>Curriculum Studies 1A Unit</td>
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**Year 1, Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit 1</th>
<th>Credit 2</th>
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<tr>
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<td></td>
<td>Curriculum major)</td>
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<tr>
<td>LEP413/2</td>
<td>Human Development &amp; Learning</td>
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<td>Curriculum Studies 1B or 2A Unit</td>
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</table>
## Graduate Diploma in Education (Pre-service) Course Structure

<table>
<thead>
<tr>
<th>STRAND</th>
<th>EARLY CHILDHOOD</th>
<th>PRIMARY</th>
<th>SECONDARY</th>
<th>TOTAL</th>
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<tbody>
<tr>
<td></td>
<td><strong>AREA OF STUDY</strong></td>
<td><strong>AREA OF STUDY</strong></td>
<td><strong>AREA OF STUDY</strong></td>
<td><strong>TOTAL</strong></td>
</tr>
<tr>
<td></td>
<td><strong>SEMESTER 1</strong></td>
<td><strong>SEMESTER 2</strong></td>
<td><strong>SEMESTER 1</strong></td>
<td><strong>SEMESTER 2</strong></td>
</tr>
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<td><strong>EDUCATION STUDIES</strong></td>
<td>Understanding Education in Contemporary Australia (12)</td>
<td>Understanding Education in Contemporary Australia (12)</td>
<td>Understanding Education in Contemporary Australia (12)</td>
<td>24</td>
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<tr>
<td></td>
<td>Human Development &amp; Learning (12)</td>
<td>Human Development &amp; Learning (12)</td>
<td>Human Development &amp; Learning (12)</td>
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</tr>
<tr>
<td><strong>PROFESSIONAL PRACTICE</strong></td>
<td>Field Experience (1 week)</td>
<td>Practice Teaching (6 weeks)</td>
<td>Field Experience (1 week)</td>
<td>Practice Teaching (6 weeks)</td>
</tr>
<tr>
<td></td>
<td>Practice Teaching (4 weeks)</td>
<td></td>
<td>Practice Teaching (4 weeks)</td>
<td></td>
</tr>
<tr>
<td><strong>CURRICULUM STUDIES</strong></td>
<td>Creativity &amp; Language 1 (12)</td>
<td>Creativity &amp; Language 2 (12)</td>
<td>Language &amp; Literacy 1 (12)</td>
<td>Curriculum Studies Unit 1A (12)</td>
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<tr>
<td></td>
<td>Thinking &amp; Problem Solving 1 (12)</td>
<td>Thinking &amp; Problem Solving 2 (12)</td>
<td>Maths, Science &amp; Technology 1 (12)</td>
<td>Curriculum Studies Unit 1B (12)</td>
</tr>
<tr>
<td></td>
<td>Program Planning &amp; Teaching Strategies 1 (12)</td>
<td>Program Planning &amp; Teaching Strategies 2 (12)</td>
<td>Professional &amp; Curriculum Studies 1 (12)</td>
<td>Teaching Studies (12)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Professional &amp; Curriculum Studies 2 (12)</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>48</td>
<td>48</td>
<td>48</td>
<td>48</td>
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</tbody>
</table>

**Total Credits:** 96
Year 2, Semester 1
CPP412  Understanding Education in Contemporary Australia  
Curriculum Studies 2A or 1B Unit  

Year 2, Semester 2
Curriculum Studies 2B Unit  
Career Elective Unit  

Professional Practice Component
Program details are as per the full-time course outline. It is also anticipated that students will undertake practice blocks according to the full-time calendar. In cases where this is not feasible the situation may be negotiated.

Curriculum Studies Units – 1A and 1B
In Semester 1, students choose two curriculum units. The two must be selected from two different groups, as listed below. The unit selected as the student’s major area of study is designated Curriculum 1A, and as the minor area, Curriculum 1B.

Note: Curriculum unit Music 1A is available only to students choosing Music 1 as their other curriculum unit. This constitutes a double major in Music.

GROUP 1
AAP422  Drama Curriculum Studies 1  
LAP403  LOTE Curriculum Studies 1  
SBP401  Accounting Curriculum Studies 1  

GROUP 2
AAP421  Dance Curriculum Studies 1  
AAP434  Music Curriculum Studies 1A  
MDP407  Senior Science Curriculum Studies 1  
SBP403  Economics Curriculum Studies 1  

GROUP 3
AAP424  Visual Arts Curriculum Studies 1  
LAP409  Primary LOTE Curriculum Studies 1  
MDP403  Mathematics Curriculum Studies 1  
SBP409  Legal Studies Curriculum Studies 1  

GROUP 4
AAP423  Music Curriculum Studies 1  
HMP401  Physical Education Curriculum Studies 1  
PUP430  Home Economics Curriculum Studies 1  
SBP407  History Curriculum Studies 1  

GROUP 5
LAP405  Film & Media Curriculum Studies 1  
LAP407  English as a Second Language Curriculum Studies 1  
MDP405  Computer Education Curriculum Studies 1  
SBP405  Geography Curriculum Studies 1  

GROUP 6
HMP403  Health Education Curriculum Studies 1  
LAP401  English Curriculum Studies 1  
MDP401  Junior Science Curriculum Studies 1  
SBP411  Office Communications Technology Curriculum Studies 1  

Curriculum Studies Units – 2A and 2B
In Semester 2, students select two curriculum units corresponding to their selections in Semester 1. These are designated Curriculum 2A and Curriculum 2B.

9 Offered as a major only.
10 Offered as a minor only.
Except in the case of Senior Science, students select the Curriculum 2 units matching the Curriculum 1 units for Semester 1. Students who select Senior Science in Semester 1 must choose one of the Senior Science units listed in Semester 2.

<table>
<thead>
<tr>
<th>GROUP 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAP430 Drama</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAP404 LOTE</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SBP402 Accounting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>GROUP 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AAP429 Dance</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAP433 Music</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP408 Senior Agriculture</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP409 Senior Biology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MDP410 Senior Chemistry</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP411 Senior Earth Science</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP412 Senior Marine Studies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP413 Senior Physics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SBP404 Economics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>GROUP 3</td>
<td></td>
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</tr>
<tr>
<td>AAP432 Visual Arts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAP410 Primary LOTE</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP404 Mathematics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SBP410 Legal Studies</td>
<td>12</td>
<td>3</td>
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<tr>
<td>GROUP 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AAP431 Music</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>HMP402 Physical Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP431 Home Economics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SBP408 History</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>GROUP 5</td>
<td></td>
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<tr>
<td>LAP406 Film &amp; Media</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAP408 English as a Second Language</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP406 Computer Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SBP406 Geography</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>GROUP 6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HMP404 Health Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAP402 English</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP402 Junior Science</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SBP412 Office Communications Technology</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

**Career Elective Units**

Career Elective Units must be chosen from the following list.

| CPB330 Aboriginal & Torres Strait Islander Education Policy | 12 | 3 |
| CPB331 Asian Culture & Education                          | 12 | 3 |
| CPB332 School–Community Relations                        | 12 | 3 |
| CPB333 Policymaking & Changing School Practices           | 12 | 3 |
| CPB334 Powerful Teachers, Powerful Students               | 12 | 3 |
| CPB335 Teacher as Researcher                             | 12 | 3 |
| CPB336 Education & Cultural Diversity                    | 12 | 3 |
| CPB337 Gender & Education                                | 12 | 3 |
| CPB338 Identifying & Responding to Student Differences    | 12 | 3 |
| CPB339 Teaching Aboriginal & Torres Strait Islander Students | 12 | 3 |
| CUB330 Education, Law & the Beginning Teacher            | 12 | 3 |
| CUB366 Learning/Teaching Environments                     | 12 | 3 |
| CUB367 Classroom & Behaviour Management                  | 12 | 3 |
| EDB440 Independent Study†                                 | 12 |    |

† The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.
LEB331  Teaching Children with Low Incidence Disabilities  12  3
LEB332  Teaching Exceptional Students  12  3
LEB337  Gifted Learners  12  3
LEB441  Education Counselling  12  3
LEB480  Research Methods in Education  12  3
MDB300  Teaching in the Information Age  12  3

Graduate Certificate in Education (ED61)

- Computing, Mathematics and Science Education
- Mathematics Education
- Curriculum Development
- Advanced Skills Teacher
- Educational Counselling
- Educational Management
- Higher Education
- Computers in the Classroom
- Policy
- Equity Policy
- Leadership
- Learning Support

Location: Kelvin Grove and Gardens Point campuses

Course Duration: 1 year part-time internal or external

Total Credit Points: 48

Standard Credit Points/Full-Time Semester: 48

Tuition Fees (Domestic Students): $720 per 12 credit point unit ($60 per credit point)

Course Coordinator: Dr Ian Ginns

Course Structure

The Graduate Certificate in Education course consists of 48 credit points of units (usually four units) from a postgraduate course within the Faculty of Education deemed by the Dean of the Faculty to form a coherent program of study.

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
</table>

Computing, Mathematics and Science Education

Entry Requirements: Master of Education (ED13)

School of Mathematics, Science and Technology Education

EDN601  Major Issues in Education  12  3
EDN603  Independent Study  12  3
EDN611  Understanding Educational Research  12  3
EDN612  Conducting Educational Research  12  3
MDN615  Curriculum Studies in Mathematics, Science or Technology Education  12  3

Mathematics Education

Entry requirements: Bachelor of Education ((Inservice) (ED26)

School of Mathematics, Science and Technology Education

EDB440  Independent Study  12  3
MDB411  Early Childhood Mathematics Teaching, Learning & Assessment  12  3

12 The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.
### CURRICULUM DEVELOPMENT

**Entry requirements:** Bachelor of Education ((Inservice) (ED26))

School of Curriculum and Professional Studies

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUB343</td>
<td>Open Learning &amp; Flexible Delivery</td>
<td>12</td>
</tr>
<tr>
<td>CUB410</td>
<td>Teachers &amp; the Curriculum</td>
<td>12</td>
</tr>
<tr>
<td>CUB413</td>
<td>Curriculum, Making it Happen at School</td>
<td>12</td>
</tr>
<tr>
<td>CUB444</td>
<td>Educators &amp; the Law</td>
<td>12</td>
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<tr>
<td>EAP518</td>
<td>Managing the Curriculum</td>
<td>12</td>
</tr>
</tbody>
</table>

### ADVANCED SKILLS TEACHER

**Entry requirements:** Bachelor of Education ((Inservice) (ED26))

School of Curriculum and Professional Studies

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUB343</td>
<td>Open Learning &amp; Flexible Delivery</td>
<td>12</td>
</tr>
<tr>
<td>CUB431</td>
<td>Classroom Management: Models &amp; Practice</td>
<td>12</td>
</tr>
<tr>
<td>CUB433</td>
<td>Teaching Strategies</td>
<td>12</td>
</tr>
<tr>
<td>CUB443</td>
<td>Classroom Assessment Practices</td>
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</table>

### EDUCATIONAL COUNSELLING (ED13)

**Entry requirements:** Master of Education

School of Learning and Development

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>LEB441</td>
<td>Educational Counselling</td>
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<tr>
<td>LEN602</td>
<td>Advanced Educational Counselling</td>
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<tr>
<td>LEN603</td>
<td>Educational Counselling Professional Practice</td>
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<tr>
<td>LEN607</td>
<td>Career Education &amp; Career Guidance</td>
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</tbody>
</table>

### EDUCATIONAL MANAGEMENT

**Entry requirements:** Graduate Diploma in Education (Educational Management) (ED23)

School of Early Childhood

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EAP512</td>
<td>Policies &amp; Practices in Educational Management (Core)</td>
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<tr>
<td>EAP500</td>
<td>Early Childhood Leadership &amp; Advocacy</td>
<td>12</td>
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<tr>
<td>EAP513</td>
<td>Educational Services Management</td>
<td>12</td>
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<tr>
<td>EAP515</td>
<td>Human Resource Management in Education</td>
<td>12</td>
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<tr>
<td>EAP518</td>
<td>Managing the Curriculum</td>
<td>12</td>
</tr>
<tr>
<td>SBP517</td>
<td>Financial Management in Education Setting</td>
<td>12</td>
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</tbody>
</table>

### HIGHER EDUCATION

**Entry requirements:** The student must:

(i) hold at least a first degree in a discipline or professional area
(ii) be currently teaching in higher education
(iii) normally, have no formal preparation or qualification in education.

Academic Staff Development Unit (Gardens Point campus)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EDP601</td>
<td>The Reflective Practitioner in Higher Education</td>
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<td>EDP602</td>
<td>Adult Learning &amp; Teaching in Higher Education</td>
<td>12</td>
</tr>
<tr>
<td>EDP603</td>
<td>Higher Education in Australia: Context &amp; Issues</td>
<td>12</td>
</tr>
<tr>
<td>EDP604</td>
<td>Program Design &amp; Evaluation in Higher Education</td>
<td>12</td>
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</table>

### COMPUTERS IN THE CLASSROOM

**Entry requirements:** Graduate Diploma in Education (Computer Education) (ED21)

School of Mathematics, Science and Technology Education

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MDP506</td>
<td>Computer Education Project</td>
<td>12</td>
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<tr>
<td>MDP508</td>
<td>Computer Use in the Primary Curriculum</td>
<td>12</td>
</tr>
<tr>
<td>MDP530</td>
<td>Computer Applications in Education</td>
<td>12</td>
</tr>
<tr>
<td>MDP531</td>
<td>Investigations into Computer-aided Learning</td>
<td>12</td>
</tr>
<tr>
<td>MDP536</td>
<td>Computer Graphics in Teaching</td>
<td>12</td>
</tr>
<tr>
<td>MDP537</td>
<td>Major Issues in Computer Education</td>
<td>12</td>
</tr>
</tbody>
</table>
POLICY

**Entry requirements**: Master of Education (ED13)

School of Cultural and Policy Studies

- CPN607 Global Change, Diversity in Education
- CPN608 Gender Equity & Education Policy
- CPN610 Youth Policies & Post-compulsory Education
- EDN601 Major Issues in Education
- EDN611 Understanding Educational Research

**EQUITY POLICY**

**Entry requirements**: Bachelor of Education (Inservice) (ED26)

School of Cultural and Policy Studies

- CPB442 Education for a Multicultural Society
- CPB443 Comparative & International Education
- CPB444 Issues in Aboriginal Education
- CPB446 Women, Education & Social Change in Australia

**LEADERSHIP**

**Entry requirements**: Master of Education (ED13)

School of Cultural and Policy Studies

- CPN603 Changing Agendas in Leadership Education
- CPN604 Equity & Education Management Issues & Strategies
- CPN605 Organisational Cultures & Education Leadership
- CPN606 Educational Leadership, Power & Careers

**LEARNING SUPPORT** (formerly Resource Teaching)

**Entry requirements**: Graduate Diploma in Education (Learning Support) (ED28)

School of Learning and Development

- LEP523 Learners with Special Needs
- LEP524 Developing Relationships & Groups
- LEP525 Remediating Learning Difficulties
- MDP529 Assessment & Remediation in Mathematics

---

**Graduate Certificate in Education – Teaching English to Speakers of Other Languages (TESOL) (ED77)**

**Location**: Kelvin Grove campus

**Course Duration**: 1 semester full-time, or 2 semesters part-time

**Total Credit Points**: 48

**Tuition Fees Domestic Students**: $720 per 12 credit point unit ($60 per credit point)

**Course Coordinator**: Dr Ed Burke

**Entry Requirements**

Refer to Master of Education (TESOL) course.

The Graduate Certificate in Education (TESOL) consists of four units taken from the MEd (TESOL) course. Studies can be undertaken in either the full-time or part-time mode.

Students in the GradCertEd (TESOL) have a choice of units. Students enrol in the two core units:

- Second Language Acquisition
- Principles of Second Language Methodology

and choose two electives from the following:

- EDN611 Understanding Educational Research
- LAN613 Second Language Curriculum Design Options
- LAN614 Research Methods in Second Language Education
Following completion of four units in the GradCertEd (TESOL) a student may elect to continue studies into the MEd (TESOL).

Bachelor of Early Childhood Studies (ED43)\textsuperscript{13}

Location: Kelvin Grove campus

Course Duration: 3 years full-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr John Whitta

Associate Course Coordinator: Mr Rod Campbell

Entry requirements

Refer to Bachelor of Education (Early Childhood) course (ED52)

Course Structure

Students complete the first three semesters of the Bachelor of Education (Early Childhood) (ED52) course. In the third semester of the course interested students submit an application to the QUT Admissions Office to move into the BECST structure. Successful applicants will move into the following structure and exit with a three-year qualification specific to the child care area. The BECS course will provide its graduates with a three-year qualification that will enable them to be employed in the child care sector only. Students will not be eligible for registration as a teacher.

Special Note: Graduates of the Bachelor of Early Childhood Studies course may apply after one year's work experience for entry to the fourth year of the Bachelor of Education (Early Childhood) course.

<table>
<thead>
<tr>
<th>Year 1, Semester 1 (completed in 1995)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPB342 Education in Context</td>
<td>12</td>
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<tr>
<td>CUB365 Introduction to Professional Practice</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EAB320 Early Childhood Transactions 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDB302 Mathematics Foundations</td>
<td>12</td>
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<table>
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<tbody>
<tr>
<td>LAB340 Language, Technology &amp; Education</td>
<td>12</td>
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<td>LEB335 Human Development &amp; Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EAB302 Early Childhood Foundations 1</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MDB303 Science Foundations</td>
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<tr>
<td>CUB330 Early Childhood Practices 1</td>
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<td>EAB303 Early Childhood Foundations 2</td>
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<td>3</td>
</tr>
<tr>
<td>EAB309 Integrated Early Childhood Curriculum 1</td>
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<td>3</td>
</tr>
<tr>
<td>EAB308 Early Childhood Sciences, Mathematics &amp; Technology</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

\textsuperscript{13} Subject to final approval.
## Bachelor of Early Childhood Studies

<table>
<thead>
<tr>
<th>STRAND</th>
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<th>YEAR 2</th>
<th>YEAR 3</th>
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<tr>
<td></td>
<td>Semester 1</td>
<td>Semester 2</td>
<td>Semester 1</td>
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<td>EDUCATION STUDIES</td>
<td>Education in Context</td>
<td>Language, Technology &amp; Education</td>
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<tr>
<td></td>
<td>Introduction to Professional Practice</td>
<td>Human Development &amp; Education</td>
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<tr>
<td>PROFESSIONAL PRACTICE</td>
<td>Field Experience (10 days)</td>
<td>Field Experience (10 days)</td>
<td>Early Childhood Practices 1 (10 days)</td>
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<tr>
<td></td>
<td>(tied to Education Studies)</td>
<td>(tied to Education Studies)</td>
<td>(15 days)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>(+ 10 day visits)</td>
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<tr>
<td></td>
<td>Early Childhood Practices 2 (15 days)</td>
<td>Early Childhood Practices 3 (Child Care/Pre)</td>
<td>Early Childhood Practices 4 (Child Care/Pre)</td>
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<td></td>
<td>(10 days)</td>
<td>(10 days)</td>
<td>(15 days)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(+ 10 field days in association with EAB325)</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>CURRICULUM STUDIES</td>
<td>Early Childhood Foundations 1 (10 days field)</td>
<td>Early Childhood Foundations 2</td>
<td>Early Childhood Foundations 3</td>
<td></td>
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<tr>
<td></td>
<td>Integrated Early Childhood Curriculum 1</td>
<td>Integrated Early Childhood Curriculum 2</td>
<td></td>
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<tr>
<td></td>
<td>Early Childhood Sciences, Maths &amp; Technology</td>
<td></td>
<td>Early Childhood Arts 1</td>
<td></td>
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<td>Early Childhood Arts 2</td>
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<td></td>
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<td></td>
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<td>DISCIPLINE/CONTENT STUDIES</td>
<td>Maths Foundations</td>
<td>Science Foundations</td>
<td>Early Childhood Transactions 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Early Childhood Transactions 1 (10 days field)</td>
<td></td>
<td>Management of Early Childhood Services</td>
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**TOTAL:**
- EDUCATION STUDIES: 48
- PROFESSIONAL PRACTICE: 48
- CURRICULUM STUDIES: 108
- DISCIPLINE/CONTENT STUDIES: 84
Year 2, Semester 2
CUB351 Early Childhood Practices 2 12 2.5
EAB305 Early Childhood Language Education 1 12 3
EAB300 Early Childhood Arts 1 12 3
EAB321 Early Childhood Transactions 2 12 3

Year 3, Semester 1
CUB352 Early Childhood Practices 3 12 2.5
EAB304 Early Childhood Foundations 3 12 3
EAB301 Early Childhood Arts 2 12 3
EAB325 Management of Early Childhood Services 12 3

Year 3, Semester 2
CUB353 Early Childhood Practices 4 12 2.5
EAB310 Integrated Early Childhood Curriculum 2 12 3
EAB324 Integrating Young Children with Disabilities 12 3
Elective Unit 12 3

Bachelor of Education (In-service) (ED26)
Location: Kelvin Grove, Carseldine and Gardens Point campuses
Course Duration: 1 year full-time, 2 years part-time or external
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr John Lidstone

Entry Requirements
Applicants will be admitted to the course who:
(i) hold a diploma or equivalent at a standard acceptable to the Dean of the Faculty, and have at least one year of teaching experience, or
(ii) hold other qualifications and experience acceptable to the Dean.

Course Structure
Compulsory Units
Students must complete at least four units from the Faculty of Education. These four units will include the two existing core units, CPB420 Contemporary Issues in Education and CUB410 Teachers and the Curriculum, plus two electives from the Faculty of Education.

Elective Units
Option 1: Students may undertake four 12 credit point units from the Faculty of Education units listed in the Elective lists and from the following Faculty of Education postgraduate courses.

GRADUATE DIPLOMA IN EDUCATION (PRESERVICE):
ED35 GDipEd(Early Childhood)
ED36 GDipEd(Primary)
ED37 GDipEd(Secondary)

GRADUATE DIPLOMA IN EDUCATION (INSERVICE)
ED20 GDipEd(Early Childhood)
ED21 GDipEd(Computer Education)
ED23 GDipEd(Educational Management)
ED25 GDipEd(Teacher-Librarianship)
ED28 GDipEd(Learning Support)

BACHELOR OF EDUCATION (PRESERVICE) FOURTH YEAR ELECTIVES
ED50 BEd(Secondary)
ED51 BEd(Primary)
ED52  BEd(Early Childhood)
ED54  BEd(Adult and Workplace Education)

If units are taken from other courses, students are required to consult the relevant Course Coordinator.

Option 2: Students may undertake four 12 credit point units offered by other Faculties within QUT. Students should ensure that the unit is at an advanced, fourth year, or postgraduate level. Written approval must also be obtained from the Unit Coordinator offering the elective. Under special circumstances, students may be permitted to select units from other three-year degrees within the University with the express approval of the Course Coordinator.

Option 3: Students may undertake four 12 credit point units from a combination of Options 1 and 2.

Special Areas of Interest

While the course is designed to allow maximum flexibility in the selection of electives, students may wish to choose a suite of units related to a specific area of interest. Studies in such areas of interest may be of direct relevance to the student's professional responsibilities, now or in the future, or may provide an introduction to more advanced work at Master of Education level.

Such areas of interest include:
- Adult & Workplace Education
- Art Education
- Arts in Early Childhood
- Business Education
- Culture & Policy Studies
- Curriculum & Professional Studies
- Early Childhood Studies
- Environmental Education
- Human Relationship Education Studies
- Language & Literacy Studies
- Learning & Development Studies
- Learning Support
- Mathematics, Science & Technology Education Studies
- Social Education
- Educational Management
- Computer Education
- Teacher-Librarianship

Faculty of Education Units

Core Units

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPB420</td>
<td>Contemporary Issues in Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CUB410</td>
<td>Teachers &amp; the Curriculum</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Units

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
<th>Unit</th>
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</thead>
<tbody>
<tr>
<td>EDB440</td>
<td>Independent Study(^{14})</td>
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<tr>
<td>EDB442</td>
<td>Integrated Professional Seminars</td>
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<tr>
<td>LEB480</td>
<td>Research Methods in Education</td>
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</table>

CULTURAL AND POLICY STUDIES

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
<th>Unit</th>
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<tbody>
<tr>
<td>CPB422</td>
<td>Philosophy in the Classroom</td>
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<tr>
<td>CPB423</td>
<td>Society, Social Policy &amp; Education</td>
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<tr>
<td>CPB424</td>
<td>Sociology of the School</td>
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<tr>
<td>CPB425</td>
<td>Aesthetic Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CPB441</td>
<td>History of Australian Education</td>
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<td>3</td>
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<tr>
<td>CPB442</td>
<td>Education for a Multicultural Society</td>
<td>12</td>
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</tbody>
</table>

\(^{14}\) The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CPB443</td>
<td>Comparative &amp; International Education</td>
<td>12 3</td>
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<tr>
<td>CPB444</td>
<td>Issues in Aboriginal Education</td>
<td>12 3</td>
</tr>
<tr>
<td>CPB446</td>
<td>Women, Education &amp; Social Change in Australia</td>
<td>12 3</td>
</tr>
<tr>
<td>CUB414</td>
<td>Adult Education</td>
<td>12 3</td>
</tr>
<tr>
<td>CUB431</td>
<td>Classroom Management; Models &amp; Practice</td>
<td>12 3</td>
</tr>
<tr>
<td>CUB432</td>
<td>Teachers &amp; Isolated Learners</td>
<td>12 3</td>
</tr>
<tr>
<td>CUB433</td>
<td>Teaching Strategies</td>
<td>12 3</td>
</tr>
<tr>
<td>CUB435</td>
<td>Facilitating Professional Development &amp; Institutional Change</td>
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<tr>
<td>CUB442</td>
<td>Introduction to Educational Administration</td>
<td>12 3</td>
</tr>
<tr>
<td>CUB443</td>
<td>Classroom Assessment Practices</td>
<td>12 3</td>
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<tr>
<td>CUB444</td>
<td>Educators &amp; the Law</td>
<td>12 3</td>
</tr>
<tr>
<td>EAB410</td>
<td>Early Education: Deciding the Curriculum</td>
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<tr>
<td>EAB411</td>
<td>Early Education: Literacy</td>
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<tr>
<td>EAB440</td>
<td>Working with Parents &amp; Community</td>
<td>12 3</td>
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<tr>
<td>EAB441</td>
<td>Early Education Development &amp; Learning</td>
<td>12 3</td>
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<tr>
<td>EAP553</td>
<td>Music in Early Childhood Education</td>
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<tr>
<td>EAP551</td>
<td>Dance Education in Early Childhood</td>
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<td>EAP552</td>
<td>From Play to Drama in Early Childhood Education</td>
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</tr>
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<td>EAP553</td>
<td>Music in Early Childhood Education</td>
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<tr>
<td>EAP554</td>
<td>The Artistic Process &amp; the Visual Arts in Early Childhood Education</td>
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<tr>
<td>LAB410</td>
<td>Language Curriculum Issues</td>
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<td>LAB440</td>
<td>Recent Developments in the Teaching of Writing</td>
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<tr>
<td>LAB441</td>
<td>Children's Literature</td>
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<tr>
<td>LAB443</td>
<td>Trends in the Teaching of Reading</td>
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</tr>
<tr>
<td>LAB446</td>
<td>Grammar for Writers</td>
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<td>LEB333</td>
<td>Adult Learning &amp; Development</td>
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<td>LEB420</td>
<td>Interpersonal Psychology in Education</td>
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<td>LEB422</td>
<td>Adult Learning</td>
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<td>LEB430</td>
<td>Creativity in Problem Solving</td>
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<td>LEB431</td>
<td>Interactive Teaching Strategies</td>
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<td>LEB441</td>
<td>Educational Counselling</td>
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<td>LEB443</td>
<td>Human Sexuality &amp; Learning</td>
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</tr>
<tr>
<td>LEB444</td>
<td>Human Sexuality &amp; Development</td>
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<td>LEB445</td>
<td>Studies in Alcohol &amp; Other Drugs</td>
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<tr>
<td>LEB446</td>
<td>Psychoeducational Assessment</td>
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<tr>
<td>LEB448</td>
<td>Working in Teams</td>
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<tr>
<td>MDB410</td>
<td>Computers in the School Curriculum</td>
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</tr>
<tr>
<td>MDB411</td>
<td>Early Childhood Mathematics Teaching, Learning &amp; Assessment</td>
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<tr>
<td>MDB440</td>
<td>Computers &amp; Education</td>
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<td>Science for Early Childhood</td>
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<tr>
<td>MDB447</td>
<td>Mathematics Curriculum(^{15})</td>
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<td>Business Organisation &amp; Management Education</td>
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<tr>
<td>SBP502</td>
<td>Ethics &amp; Economics in Environmental Education</td>
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</tbody>
</table>

\(^{15}\) Subject to final approval.
Bachelor of Education (Adult and Workplace Education) (ED54)

Location: Kelvin Grove campus

Course Duration: 2 years full-time, 4 years part-time or external

Total Credit Points: 384 (192 granted as credit on entry)

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr John Whitta

Associate Course Coordinator: Associate Professor Brian Delahaye

Advanced Standing

In 1996, advanced standing of two years full-time or its equivalent part-time will be granted to students entering the course who have completed the equivalent of two years of full-time tertiary study in a discipline area demonstrably relevant to the career path pursued by the applicant, or other studies and work experience considered equivalent by the University.

Course Structure

The structure of this course is comprised of units from three strands of study, namely Education Studies, Curriculum Studies, and Professional Practice.

Students must complete 72 credit points of Education Studies, 72 credit points of Curriculum Studies and 48 credit points of Professional Practice.
# Bachelor of Education (Adult & Workplace Education) Course Structure

## Full-time Students

<table>
<thead>
<tr>
<th>STRAND</th>
<th>EDUCATION STUDIES</th>
<th>PROFESSIONAL PRACTICE</th>
<th>CURRICULUM STUDIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISCIPLINE/CONTENT STUDIES</td>
<td>72 Credit Points</td>
<td>48 Credit Points</td>
<td>72 Credit Points</td>
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### YEAR 1

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<table>
<thead>
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<th>Semester 1</th>
<th>Semester 2</th>
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### YEAR 2

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</table>

- **EDUCATION STUDIES**
  - **EDUCATION STUDIES**
  - **PROFESSIONAL PRACTICE**
  - **CURRICULUM STUDIES**

---

* Students seeking registration through the Queensland Board of Teacher Registration must complete these four units.
## Full-Time Course Structure

<table>
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<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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<td>CUB333</td>
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<td>CUB337</td>
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<tr>
<td>CUB339</td>
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Select one unit from the following:

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<tbody>
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<td>CUB338</td>
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<tr>
<td>LEB333</td>
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</table>

Select one unit from the following:

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
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<td>CUB340</td>
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Select one unit from the following:

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<th>Credit Points</th>
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<tr>
<td>LEB333</td>
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<td>3</td>
</tr>
</tbody>
</table>

Select one unit from the following:

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>LEB338</td>
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* Students seeking registration through the Queensland Board of Teacher Registration must complete these four units.

## Part-Time/External Course Structure

<table>
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<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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<tbody>
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## Bachelor of Education (Adult & Workplace Education) Course Structure

**Part-time/External Students**

<table>
<thead>
<tr>
<th>DISCIPLINE/CONTENT STUDIES</th>
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<th>DISCIPLINE/CONTENT STUDIES</th>
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<tr>
<td>Adult Education in the Workplace and Community (12)</td>
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<td>Orientation to Adult and Workplace Programs (12)</td>
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Year 4, Semester 1

Curriculum Studies Elective Unit (See List 1) 12
Education Studies Elective Unit 1 (See List 2) 12

Year 4, Semester 2

Education Studies Elective Unit 2 (See List 2) 12
CUB336 Field Experience 4 12

List 1: Curriculum Studies Elective Units

CUB343 Open Learning & Flexible Delivery 12 3
LAB339 Adult Literacy & Second Language Learners 12 3
LEB334 Acquisition & Adaptability of Workplace Knowledge & Skills 12 3
MDB382 Problem Solving, Critical Thinking & Futuring 12 3
SBB440 Environmental Education 12 3

List 2: Education Studies Elective Units

Select two electives from the following three sets. Up to two may be chosen from any set.

Group A: Professional Work of Educators

CPB330 Aboriginal & Torres Strait Islander Education Policy 12 3
CPB331 Asian Culture & Education 12 3
CPB332 School-Community Relations 12 3
CPB333 Policy Making & Changing School Practices 12 3
CPB334 Powerful Teachers, Powerful Students 12 3
CPB335 Teacher as Researcher 12 3
CPB423 Society, Social Policy & Education 12 3
CPB442 Education in a Multicultural Society 12 3
CPB446 Women, Education & Social Change in Australia 12 3
CUB330 Education, Law & the Beginning Teacher 12 3
CUB366 Learning/Teaching Environments 12 3
CUB432 Teachers as Isolated Learners 12 3
CUB433 Teaching Strategies 12 3
CUB442 Introduction to Educational Administration 12 3
CUB443 Classroom Assessment Practices 12 3
EDB440 Independent Study 12
LEB441 Educational Counselling 12 3
LEB443 Human Sexuality & Learning 12 3
LEB444 Human Sexuality & Development 12 3
LEB480 Research Methods in Education 12 3
MDB300 Teaching in the Information Age 12 3

Group B: Difference and Diversity Among Learners

CPB336 Education & Cultural Diversity 12 3
CPB337 Gender & Education 12 3
CPB338 Identifying & Responding to Student Differences 12 3
CPB339 Teaching Aboriginal & Torres Strait Islander Students 12 3
CUB367 Classroom & Behaviour Management 12 3
EDB440 Independent Study (only one permitted) 12
LEB331 Teaching Children with Low Incidence Disabilities 12 3
LEB332 Teaching Exceptional Students 12 3
LEB337 Gifted Learners 12 3

Group C: Post-compulsory Education

CPB341 Community, Leadership & Citizenship 12 3
CUB342 Law in the Adult & Workplace Environment 12 3
MDB381 Science & Technology in the Community & Workplace 12 3
SBB348 Implications of the National Training Reform Agenda 12 3

List 3: Secondary Curriculum Studies Units

Students complete two Curriculum Studies units corresponding to the discipline area they select.

AAB412 Art Curriculum Studies 1 12 3
AAB413 Art Curriculum Studies 2 12 3
<table>
<thead>
<tr>
<th>Code</th>
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<td>AAB414</td>
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<td>AAB415</td>
<td>Drama Curriculum Studies 2</td>
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<td>HMB310</td>
<td>Physical Education Curriculum Studies 1</td>
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<td>HMB340</td>
<td>Physical Education Curriculum Studies 1B</td>
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<tr>
<td>HMB370</td>
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<tr>
<td>HMB380</td>
<td>Physical Education Curriculum Studies 2B</td>
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<td>Health Education Curriculum Studies 1</td>
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<td>HMB395</td>
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<td>LAB325</td>
<td>English Curriculum Studies 1</td>
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<td>LAB326</td>
<td>English Curriculum Studies 2</td>
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<tr>
<td>LAB327</td>
<td>Film &amp; Media Curriculum Studies 1</td>
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</tr>
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<td>LAB328</td>
<td>Film &amp; Media Curriculum Studies 2</td>
<td>12</td>
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<tr>
<td>LAB329</td>
<td>LOTE Curriculum Studies 1</td>
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<td>MDB325</td>
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<td>MDB327</td>
<td>Chemistry Curriculum Studies 1</td>
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<tr>
<td>MDB329</td>
<td>Computing Curriculum Studies 1</td>
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<td>MDB331</td>
<td>Earth Science Curriculum Studies 1</td>
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<td>PUB312</td>
<td>Home Economics Curriculum Studies 1</td>
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<td>PUB322</td>
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<td>SBB325</td>
<td>Accounting/Business Management Curriculum Studies 1</td>
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<td>SBB326</td>
<td>Accounting/Business Management Curriculum Studies 2</td>
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<td>Office Communication Technology Curriculum Studies 1</td>
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**Bachelor of Education (Early Childhood) (ED52)**

**Location:** Kelvin Grove campus

**Course Duration:** 4 years full-time

**Total Credit Points:** 384
Standard Credit Points/Full-Time Semester: 48

**Course Coordinator:** Mr John Whitta

**Associate Course Coordinator:** Mr Rod Campbell

**Course Structure**

The following course structure is for students commencing in year 1 in 1996. Students in years two, three and four in 1996 will continue in their current program (please see the end of this section).

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CPB342 Education in Context</td>
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<tr>
<td>CUB379/1 Early Childhood Professional Practice 1</td>
<td>6</td>
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<tr>
<td>EAB341/1 Early Childhood Foundations 1</td>
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<tr>
<td>MDB386 Mathematics Foundations</td>
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<td>Discipline Foundation Elective (See List 1)</td>
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<td>EAB342/1 Early Childhood Foundations 2</td>
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<td>EAB345 Early Childhood Curriculum: Language Education</td>
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<td>EAB346 Early Childhood Curriculum: Science/Society &amp; the Environment</td>
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<td>EAB351 Family Studies &amp; Early Childhood Education</td>
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<td>EAB342/2 Early Childhood Foundations 2</td>
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<tr>
<td>EAB347 Early Childhood Curriculum: Early Mathematics Explorations</td>
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<td>EAB348 Early Childhood Curriculum: Arts</td>
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<td>EAB349 Advanced Early Childhood Curriculum: Arts</td>
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<td>CUB381/2 Early Childhood Professional Practice 3</td>
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<td>EAB343/2 Early Childhood Foundations 3</td>
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<td>EAB350 Advanced Early Childhood Curriculum: Literacy &amp; Numeracy in the Early Years</td>
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<td>EAB344/1 Early Childhood Foundations 4</td>
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<td>EAB412 Integrative Early Childhood Curriculum</td>
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\[16 \text{ Full-year unit worth a total of 12 credit points.}\]
Year 4, Semester 2

Education Studies Elective Unit 1 (See List 3) 12 3
Education Studies Elective Unit 2 (See List 3) 12 3
CUB382/1 Early Childhood Professional Practice 4 17 6 2.5
EAB344/2 Early Childhood Foundations 4 17 6 2.5
Early Childhood Curriculum Elective (See List 4) 12 4

LIST 1: DISCIPLINE FOUNDATION ELECTIVE UNITS

Studies in Society and Environment
SBB342 Social & Environmental Foundations 12 3

Health and Physical Education
HMB171 Fitness, Health & Wellness 12 3

Visual and Performing Arts
AAB918 Arts Foundations Studies 12 3

Science
MDB387 Science Foundations 12 3

Technology
MDB385 Information Technologies in Education 12 3

LIST 2: DISCIPLINE MINOR ELECTIVE UNITS

Language
LAB441 Children's Literature 12 3
LAB446 Grammar for Writers 12 3
LAB321 Writing Workshop 12 3

Mathematics
MDB347 Excursions in Mathematics 12 3
MDB388 Gaming & Chance 12 3
MDB349 Mathematical Reasoning 12 3

Studies of Society and Environment
SBB371 Knowing your Environment 12 3
SBB372 The Consumer, Society & the Environment 12 3
SBB373 Future Societies & Environments – Australia, Asia & the Pacific 12 3

Health and Physical Education
HMB313 Socio-Cultural Foundations of Physical Activity 12 4
HMB376 Motor Development in Children 12 4

Plus one of:
HMB314 Performance Skills 1 12 6
HMB315 Performance Skills 2 12 6
HMB316 Performance Skills 3 12 6

Visual and Performing Arts
Three level one units from the selected Arts discipline area. Areas available are Music, Visual Arts, Drama and Dance. Students must satisfy any specific entry requirements for Arts units. This could include auditions, portfolios, etc.

Science
MDB389 Life & Living Processes 12 3
MDB390 Natural & Processed Materials 12 3
MDB391 Earth & Space 12 3

Technology
MDB392 Educational Computing Environments 12 3
MDB393 Networked Communications 12 3
MDB394 Choosing Software for Educational Contexts 12 3

17 Full-year unit worth a total of 12 credit points.
### Bachelor of Education (Early Childhood) Course Structure (For Commencing Students in 1996)

<table>
<thead>
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<td>SEMESTER 2</td>
<td>SEMESTER 1</td>
<td>SEMESTER 2</td>
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<tr>
<td><strong>EDUCATION STUDIES</strong></td>
<td>Education in Human Psychology (12)</td>
<td>Human Development &amp; Education (12)</td>
<td>Psychology of Learning &amp; Teaching (12)</td>
<td>Understanding Educational Practices (12)</td>
<td>Education Studies Electives (24)</td>
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<tr>
<td><strong>PROFESSIONAL PRACTICE</strong></td>
<td>Early Childhood Professional Practice 1 (2 weeks) (12)</td>
<td>Early Childhood Professional Practice 2 (5 weeks) (12)</td>
<td>Early Childhood Professional Practice 3 (5 weeks) (12)</td>
<td>Early Childhood Professional Practice 4 (4 weeks) (12)</td>
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<tr>
<td></td>
<td>Field Experience (4 weeks)</td>
<td>Field Experience (2 weeks)</td>
<td>Field Experience (4 weeks)</td>
<td>Field Experience (2 weeks)</td>
<td></td>
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</tbody>
</table>

*Students take Mathematics and Language discipline Foundation units, and choose three others from the areas of Language, Studies in Society and Environment, Health and Physical Education, Visual and Performing Arts, Science or Technology. Students receive counselling for their choice in Orientation Week.*
### List 3: Education Studies Elective Units

Students select one unit from Group A and one unit from Group B.

**Group A: Professional Work of Educators**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CPB330</td>
<td>ATSI Education Policy</td>
<td>12</td>
</tr>
<tr>
<td>CPB331</td>
<td>Asian Culture &amp; Education</td>
<td>12</td>
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<td>CPB332</td>
<td>School–Community Relations</td>
<td>12</td>
</tr>
<tr>
<td>CPB333</td>
<td>Policy Making &amp; Changing School Practices</td>
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<td>CPB334</td>
<td>Powerful Teachers, Powerful Students</td>
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<td>CPB335</td>
<td>Teacher as Researcher</td>
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<tr>
<td>CPB423</td>
<td>Society, Social Policy &amp; Education</td>
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<td>CPB442</td>
<td>Education in a Multicultural Society</td>
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<td>CPB446</td>
<td>Women, Education &amp; Social Change in Australia</td>
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<td>Education Law &amp; the Beginning Teacher</td>
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<td>Learning/Teaching Environments</td>
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<td>CUB432</td>
<td>Teachers as Isolated Learners</td>
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<td>CUB442</td>
<td>Introduction to Educational Administration</td>
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<td>CUB443</td>
<td>Classroom Assessment Practices</td>
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<td>EDB440</td>
<td>Independent Study 18</td>
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<td>LEB441</td>
<td>Education Counselling</td>
<td>12</td>
</tr>
<tr>
<td>LEB443</td>
<td>Human Sexuality &amp; Learning</td>
<td>12</td>
</tr>
<tr>
<td>LEB444</td>
<td>Human Sexuality &amp; Development</td>
<td>12</td>
</tr>
<tr>
<td>LEB480</td>
<td>Research Methods in Education</td>
<td>12</td>
</tr>
<tr>
<td>MDB300</td>
<td>Teaching in the Information Age</td>
<td>12</td>
</tr>
</tbody>
</table>

**Groups B: Differences and Diversity Among Learners**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPB336</td>
<td>Education &amp; Cultural Diversity</td>
<td>12</td>
</tr>
<tr>
<td>CPB337</td>
<td>Gender &amp; Education</td>
<td>12</td>
</tr>
<tr>
<td>CPB338</td>
<td>Identifying &amp; Responding to Student Differences</td>
<td>12</td>
</tr>
<tr>
<td>CPB339</td>
<td>Teaching Aboriginal &amp; Torres Strait Islander Students</td>
<td>12</td>
</tr>
<tr>
<td>CUB367</td>
<td>Classroom &amp; Behaviour Management</td>
<td>12</td>
</tr>
<tr>
<td>EDB440</td>
<td>Independent Study (only one permitted)18</td>
<td>12</td>
</tr>
<tr>
<td>LEB331</td>
<td>Teaching Children with Low Incidence Disabilities</td>
<td>12</td>
</tr>
<tr>
<td>LEB332</td>
<td>Teaching Exceptional Students</td>
<td>12</td>
</tr>
<tr>
<td>LEB337</td>
<td>Gifted Learners</td>
<td>12</td>
</tr>
</tbody>
</table>

**List 4: Curriculum Elective Units**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAB414</td>
<td>Research in Early Childhood Development &amp; Education</td>
<td>12</td>
</tr>
<tr>
<td>EAB415</td>
<td>Resource/Support Programs in Early Childhood</td>
<td>12</td>
</tr>
<tr>
<td>EAB416</td>
<td>Early Childhood Art Education</td>
<td>12</td>
</tr>
<tr>
<td>EAB417</td>
<td>Creating Curriculum with Young Children</td>
<td>12</td>
</tr>
<tr>
<td>EAB418</td>
<td>Studies in Narrative for Young Children</td>
<td>12</td>
</tr>
<tr>
<td>EAB419</td>
<td>Music Education for Diverse Learners</td>
<td>12</td>
</tr>
<tr>
<td>EAB420</td>
<td>Children, Teachers &amp; the Environment</td>
<td>12</td>
</tr>
<tr>
<td>EAB421</td>
<td>Everyday Food Learning</td>
<td>12</td>
</tr>
<tr>
<td>EAB422</td>
<td>Technology &amp; the Young Child</td>
<td>12</td>
</tr>
</tbody>
</table>

**Course Structure for Continuing Students in Years Two, Three and Four in 1996**

Students entering the second year of the course, and who are carrying no more than two failed units from their study in the first year of the course, will be given the option to apply to transfer into the new Bachelor of Early Childhood Studies (BECS) course in Semester 2, 1996. The BECS course will provide its graduates with a three-year qualification that will enable them to be employed in the child care sector only. Students will not be eligible for registration as a teacher. The BECS course will be of three years’ duration, comprising the first three semesters of the Bachelor of Education (Early Childhood) (ED52) and a selection of studies from the remainder of the Bachelor of Education (Early Childhood).

Interested applicants should refer to page 475 of this Handbook for detail on the BECS.

---

18 The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.
structure. All other students in years two, three or four in 1996 will continue in the structure indicated below.

**Year 2, Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>CUB350</td>
<td>Early Childhood Practices 1</td>
<td>12</td>
</tr>
<tr>
<td>EAB303</td>
<td>Early Childhood Foundations 2</td>
<td>12</td>
</tr>
<tr>
<td>EAB308</td>
<td>Early Childhood Sciences, Mathematics &amp; Technology</td>
<td>12</td>
</tr>
<tr>
<td>EAB309</td>
<td>Integrated Early Childhood Curriculum 1</td>
<td>12</td>
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</table>

**Year 2, Semester 2**

<table>
<thead>
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<tr>
<td>CUB351</td>
<td>Early Childhood Practices 2</td>
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<tr>
<td>EAB305</td>
<td>Early Childhood Language Education 1</td>
<td>12</td>
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<tr>
<td>EAB321</td>
<td>Early Childhood Transactions 2</td>
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Elective Unit 1 (see List 5)

**Year 3, Semester 1**

<table>
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<tbody>
<tr>
<td>CPB343</td>
<td>Understanding Educational Practices</td>
<td>12</td>
</tr>
<tr>
<td>CUB352</td>
<td>Early Childhood Practices 3</td>
<td>12</td>
</tr>
<tr>
<td>EAB304</td>
<td>Early Childhood Foundations 3</td>
<td>12</td>
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<tr>
<td>LEB336</td>
<td>Psychology of Learning &amp; Teaching</td>
<td>12</td>
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**Year 3, Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>CUB353</td>
<td>Early Childhood Practices 4</td>
<td>12</td>
</tr>
<tr>
<td>EAB300</td>
<td>Early Childhood Arts 1</td>
<td>12</td>
</tr>
<tr>
<td>EAB307</td>
<td>Early Childhood Mathematics Education</td>
<td>12</td>
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</table>

Elective Unit 2 (see List 5)

**Year 4, Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>CUB354</td>
<td>Early Childhood Practices 5</td>
<td>12</td>
</tr>
<tr>
<td>EAB301</td>
<td>Early Childhood Arts 2</td>
<td>12</td>
</tr>
<tr>
<td>EAB306</td>
<td>Early Childhood Language Education 2</td>
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Elective Unit 3 (see List 6)

**Year 4, Semester 2**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>CUB355</td>
<td>Early Childhood Practices 6</td>
<td>12</td>
</tr>
<tr>
<td>EAB310</td>
<td>Integrated Early Childhood Curriculum 2</td>
<td>12</td>
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</table>

Education Studies Elective Unit (see List 3)

Education Studies Elective Unit (see List 3)

**LIST 5: ELECTIVE UNITS 1 AND 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>EAB312</td>
<td>Case Studies in Early Childhood &amp; Family Literacy</td>
<td>12</td>
</tr>
<tr>
<td>EAB313</td>
<td>Children’s Literature for Early Childhood Settings</td>
<td>12</td>
</tr>
<tr>
<td>EAB314</td>
<td>Children, Teachers &amp; the Environment</td>
<td>12</td>
</tr>
<tr>
<td>EAB315</td>
<td>Creating Curriculum with Young Children</td>
<td>12</td>
</tr>
<tr>
<td>EAB316</td>
<td>Early Childhood Art Education</td>
<td>12</td>
</tr>
<tr>
<td>EAB317</td>
<td>Early Childhood Drama in Education</td>
<td>12</td>
</tr>
<tr>
<td>EAB323</td>
<td>Everyday Food &amp; Science for Young Children</td>
<td>12</td>
</tr>
<tr>
<td>EAB326</td>
<td>Music Education &amp; Young Children</td>
<td>12</td>
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<tr>
<td>EAB329</td>
<td>Routines for Inclusive Early Childhood Curriculum</td>
<td>12</td>
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<tr>
<td>EAB330</td>
<td>Storytelling in Early Childhood</td>
<td>12</td>
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<tr>
<td>EAB331</td>
<td>Technology &amp; the Young Child</td>
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<tr>
<td>MDB301</td>
<td>History of Mathematics</td>
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**LIST 6: ELECTIVE UNIT 3**

<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>EAB311</td>
<td>Alternative Programs in Early Childhood</td>
<td>12</td>
</tr>
<tr>
<td>EAB318</td>
<td>Early Childhood Education &amp; Family Issues in Australia</td>
<td>12</td>
</tr>
<tr>
<td>EAB319</td>
<td>Early Childhood Socio-cultural Contexts</td>
<td>12</td>
</tr>
<tr>
<td>EAB322</td>
<td>Ethical Responsibilities in Early Childhood</td>
<td>12</td>
</tr>
<tr>
<td>EAB324</td>
<td>Integrating Young Children with Disabilities into Early Childhood Programs</td>
<td>12</td>
</tr>
<tr>
<td>EAB325</td>
<td>Management of Early Childhood Services</td>
<td>12</td>
</tr>
<tr>
<td>EAB328</td>
<td>Research in Early Childhood Development</td>
<td>12</td>
</tr>
<tr>
<td>EAB332</td>
<td>Technology in Early Childhood Contexts</td>
<td>12</td>
</tr>
</tbody>
</table>
# Bachelor of Education (Early Childhood) Course Structure

(For Continuing Students in 1996 - Year 1 Completed in 1995)

<table>
<thead>
<tr>
<th>STRAND</th>
<th>YEAR 1</th>
<th>YEAR 2</th>
<th>YEAR 3</th>
<th>YEAR 4</th>
<th>TOTAL</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Semester 1</td>
<td>Semester 2</td>
<td>Semester 1</td>
<td>Semester 2</td>
<td>Semester 1</td>
</tr>
<tr>
<td>EDUCATION STUDIES</td>
<td></td>
<td></td>
<td>Psychology of Learning &amp; Teaching (12)</td>
<td>Understanding Educational Practices (12)</td>
<td>Education Studies Elective Unit (12)</td>
</tr>
<tr>
<td>PROFESSIONAL PRACTICE</td>
<td>Year 1 completed in 1995</td>
<td>Early Childhood Practices 1 (2 weeks) (12)*</td>
<td>Early Childhood Practices 2 (2 weeks) (12)*</td>
<td>Early Childhood Practices 3 (3 weeks) (12)*</td>
<td>72</td>
</tr>
<tr>
<td>CURRICULUM STUDIES</td>
<td></td>
<td></td>
<td>EC Foundations 2 (12)</td>
<td>EC Language Education 1 (12)</td>
<td>Integrated EC Curriculum 2 (12)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>EC Integrated EC Curriculum 1 (12)</td>
<td>EC Foundations 3 (12)</td>
<td>EC Arts 1 (12)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>EC Sciences, Maths &amp; Technology (12)</td>
<td>EC Maths Education (12)</td>
<td>EC Arts 2 (12)</td>
</tr>
<tr>
<td>DISCIPLINE/CONTENT STUDIES</td>
<td></td>
<td></td>
<td>EC Transactions 2 (12)</td>
<td>Elective Unit 1 (12)+</td>
<td>Elective Unit 2 (12)+</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td>Elective Unit 1 (12)+</td>
<td>Elective Unit 3 (12)+</td>
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</tr>
<tr>
<td></td>
<td>48</td>
<td>48</td>
<td>48</td>
<td>48</td>
<td>48</td>
</tr>
</tbody>
</table>

* These three elective units may be taken in a variety of Schools and Faculties.
* Credit points for field experience come from the Education studies in the corresponding component.
# These units include a component of campus-based study.
Bachelor of Education (Preservice Early Childhood) (ED53)

Location: Kelvin Grove campus
Course Duration: 4 years part-time external
Total Credit Points: 192
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr John Whitta
Associate Course Coordinator: Dr June Kean

Entry requirements
Admission is dependent upon the award of 192 credit points for unspecified units. Entry is restricted to applicants who are graduates of TAFE Associate Diploma in Education (Child Care) or equivalent and relevant two-year tertiary-level courses, and who have had the equivalent of two years' full-time employment in early childhood care and education services.

Special note: Provision will be made in this course for the equivalent of a three-year exit point. This is currently being developed.

<table>
<thead>
<tr>
<th>Course Structure</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1, Semester 2 (mid-year entry)</strong></td>
<td></td>
</tr>
<tr>
<td>EAB334 Early Childhood Foundations A</td>
<td>12</td>
</tr>
<tr>
<td>EAB340 Programs for Infants &amp; Toddlers</td>
<td>12</td>
</tr>
<tr>
<td><strong>Year 2, Semester 1</strong></td>
<td></td>
</tr>
<tr>
<td>EAB308 Early Childhood Sciences, Mathematics &amp; Technology</td>
<td>12</td>
</tr>
<tr>
<td>EAB335 Early Childhood Language &amp; Arts Education 1</td>
<td>12</td>
</tr>
<tr>
<td><strong>Year 2, Semester 2</strong></td>
<td></td>
</tr>
<tr>
<td>EAB324 Integrating Young Children with Special Needs in Early Childhood Programs</td>
<td>12</td>
</tr>
<tr>
<td>EAB325 Management of Early Childhood Services</td>
<td>12</td>
</tr>
<tr>
<td><strong>Year 3, Semester 1</strong></td>
<td></td>
</tr>
<tr>
<td>EAB333 Early Childhood Education: Community Context</td>
<td>12</td>
</tr>
<tr>
<td>CUB368 Practice Teaching 1 (0-5 years)</td>
<td>12</td>
</tr>
<tr>
<td><strong>Year 3, Semester 2</strong></td>
<td></td>
</tr>
<tr>
<td>EAB336 Early Childhood Foundations B</td>
<td>12</td>
</tr>
<tr>
<td>LEB336 Psychology of Learning &amp; Teaching</td>
<td>12</td>
</tr>
<tr>
<td><strong>Year 4, Semester 1</strong></td>
<td></td>
</tr>
<tr>
<td>CPB343 Understanding Educational Practices</td>
<td>12</td>
</tr>
<tr>
<td>EAB337 Integrated Early Childhood Curriculum</td>
<td>12</td>
</tr>
<tr>
<td><strong>Year 4, Semester 2</strong></td>
<td></td>
</tr>
<tr>
<td>CPB339 Teaching Aboriginal &amp; Torres Strait Islander Students</td>
<td>12</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>SBB348 Implications of the National Training Reform Agenda</td>
<td>12</td>
</tr>
<tr>
<td>CUB369 Practice Teaching 2 (0-5 years)</td>
<td>12</td>
</tr>
<tr>
<td><strong>Year 5, Semester 1</strong></td>
<td></td>
</tr>
<tr>
<td>EAB338 Early Childhood Language &amp; Arts Education 2</td>
<td>12</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>Negotiated other Bachelor of Education (Inservice) (ED26) unit</td>
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</tr>
<tr>
<td>CUB370 Practice Teaching 3 (alternative settings)</td>
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</tr>
</tbody>
</table>

Transition Arrangements for 1994 ED42 Bachelor of Teaching (Childcare Upgrade) Entrants to ED53 Bachelor of Education (Early Childhood) External in 1996

1996, Semester 2
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAB336 Early Childhood Foundations B</td>
<td>12</td>
</tr>
<tr>
<td>CUB368 Practice Teaching 1 (20 days) (0-5 years)</td>
<td>12</td>
</tr>
</tbody>
</table>
### 1997, Semester 1
- EAB308 Early Childhood Science, Mathematics & Technology 12
- EAB335 Early Childhood Language & Arts Education I 12

### 1997, Semester 2
- CUB369 Practice Teaching 2 (20 days) (0–5 years) 12
- CPB339 Teaching Aboriginal & Torres Strait Islander Students OR
- SBB348 Implications of the National Training Reform Agenda 12

### 1998, Semester 1
- CUB370 Practice Teaching 3 (20 days) (Alternative Settings) 12
- EAB338 Early Childhood Language & Arts Education 2 OR
  - Negotiated other BEd (Inservice) unit 12

#### Credit from Bachelor of Teaching (Child Care Upgrade) for:
- CPB343 Understanding Educational Practices
- EAB334 Integrating Young Children with Special Needs in Early Childhood Programs
- EAB325 Management of Early Childhood Services
- EAB333 Early Childhood: Community Context
- EAB333 Early Childhood Foundations A
- EAB337 Integrated Early Childhood Curriculum
- EAB340 Programs for Infants & Toddlers
- LEB336 Psychology of Learning & Teaching

#### Transition Arrangements for 1995 ED42 Bachelor of Teaching (Child Care Upgrade) Entrants to ED53 Bachelor of Education (Early Childhood) External in 1996

### 1996, Semester 2
- CUB340 Programs for Infants & Toddlers 12
- EAB336 Early Childhood Foundations B 12

### 1997, Semester 1
- CUB368 Practice Teaching 1 (20 days) (0–5 years) 12
- EAB335 Early Childhood Language & Arts Education 1 12

### 1997, Semester 2
- EAB324 Integrating Young Children with Special Needs in Early Childhood Programs 12
- EAB325 Management of Early Childhood Services 12

### 1998, Semester 1
- EAB308 Early Childhood Sciences, Mathematics & Technology 12
- EAB337 Integrating Early Childhood Curriculum 12

### 1998, Semester 2
- CPB339 Teaching Aboriginal & Torres Strait Islander Students OR
- CUB369 Practice Teaching 2 (20 days) (0–5 years) 12
- SBB348 Implications of the National Training Reform Agenda 12

### 1999, Semester 1
- EAB338 Early Childhood Language & Arts Education 2 OR
  - Negotiated other BEd(Inservice) unit 12
- CUB370 Practice Teaching 3 (20 days) (alternative settings) 12

#### Credit from Bachelor of Teaching (Child Care Upgrade) for:
- CPB343 Understanding Educational Practices
- EAB333 Early Childhood: Community Context
- EAB334 Early Childhood Foundations A
- LEB336 Psychology of Learning & Teaching
## Bachelor of Education (Preservice Early Childhood) Course Structure

<table>
<thead>
<tr>
<th>STRAND</th>
<th>YEAR 1</th>
<th>YEAR 2</th>
<th>YEAR 3</th>
<th>YEAR 4</th>
<th>YEAR 5</th>
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<td>Semester 2</td>
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<td>Semester 1</td>
</tr>
<tr>
<td><strong>EDUCATION STUDIES</strong></td>
<td>EAB333 Early Childhood Education: Community Context (12)</td>
<td>LEB336 Psychology of Learning and Teaching (12)</td>
<td>CPB343 Understanding Educational Practices (12)</td>
<td>CPB339 Teaching ATSI Students (12) OR SBD348 Implications of the National Training Reform agenda (12)</td>
<td></td>
<td>48</td>
</tr>
<tr>
<td><strong>PROFESSIONAL PRACTICE</strong></td>
<td>CUB368 Practice Teaching 1 (0-5 years) 20 days (12)</td>
<td>CUB369 Practice Teaching 2 (0-5 years) 20 days (12)</td>
<td>CUB370 Practice Teaching 3 (Alternative Settings) 20 days (12)</td>
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<td><strong>CURRICULUM STUDIES</strong></td>
<td>EAB334 Early Childhood Foundations A (12)</td>
<td>EAB335 Early Childhood Language &amp; Arts Education 1 (12)</td>
<td>EAB336 Early Childhood Foundations B (12)</td>
<td>EAB337 Integrated Early Childhood Curriculum OR BEd (Inservice) unit (13)</td>
<td>EAB338 Early Childhood Language &amp; Arts Education 2 OR BEd (Inservice) unit (13)</td>
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<td></td>
<td>EAB308 Early Childhood Sciences, Maths and Technology (12)</td>
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<td></td>
</tr>
<tr>
<td><strong>DISCIPLINE/CONTENT STUDIES</strong></td>
<td>EAB340 Programs for Infants and Toddlers (12)</td>
<td>EAB325 Management of Early Childhood Services (12)</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EAB334 Integrating Young Children with Special Needs in Early Childhood Programs (12)</td>
<td></td>
<td></td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>24</td>
<td>24</td>
<td>24</td>
<td>24</td>
<td>24</td>
<td>192</td>
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</table>
Bachelor of Education (Primary) (ED51)

Location: Kelvin Grove campus
Course Duration: 4 years full-time
Total Credit Points: 384
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr John Whitta
Associate Course Coordinator: Ms Tania Aspland

Course Structure

The following course structure is for students commencing Year 1 in 1996.

Year 1, Semester 1
- CPB342 Education in Context: 12 credits, 3 contact hours per week
- LEB335 Human Development & Education: 12 credits, 3 contact hours per week
- LAB344 Language & Literacy Foundations: 12 credits, 3 contact hours per week
- MDB385 Information Technologies in Education: 12 credits, 3 contact hours per week

Year 1, Semester 2
- MDB383 Using Information Technologies in the Curriculum: 12 credits, 3 contact hours per week
- MDB386 Mathematics Foundations: 12 credits, 3 contact hours per week
- HMB171 Fitness, Health & Wellness: 12 credits, 3 contact hours per week
- SBB342 Social & Environmental Education: 12 credits, 3 contact hours per week

Year 2, Semester 1
- LAB342 Language/Mathematics Curriculum I: 12 credits, 3 contact hours per week
- SBB349 Studies of Society & Environment/Health & Physical Education Curriculum 1: 12 credits, 3 contact hours per week
- MDB387 Science Foundations: 12 credits, 3 contact hours per week
- AAB918 Arts Foundation Studies: 12 credits, 3 contact hours per week

Year 2, Semester 2
- AAB914 Visual & Performing Arts Curriculum: 12 credits, 3 contact hours per week
- LAB345 LOTE/Second Language Foundations: 12 credits, 3 contact hours per week
- CUB375 Primary Professional Practice 1: Classroom Management: 12 credits, 3 contact hours per week
- Discipline Studies Elective (See List 1): 12 credits

Year 3, Semester 1
- CUB376 Primary Professional Practice 2: Curriculum Decision Making: 12 credits, 3 contact hours per week
- LEB336 Psychology of Learning & Teaching: 12 credits, 3 contact hours per week
- MDB384 Science Education: 12 credits, 3 contact hours per week
- Discipline Studies Elective (See List 1): 12 credits

Year 3, Semester 2
- CPB343 Understanding Educational Practices: 12 credits, 3 contact hours per week
- LAB343 Language/Mathematics Curriculum 2: 12 credits, 3 contact hours per week
- Discipline Studies Elective (See List 1): 12 credits
- Discipline Studies Elective (See List 1): 12 credits

Year 4, Semester 1
- CUB377 Primary Professional Practice 3: The Inclusive Curriculum: 12 credits, 3 contact hours per week
- LAB413 Programming & Assessment in Language & Mathematics: 12 credits, 3 contact hours per week
- SBB415 Studies of Society & Environment/Health & Physical Education Curriculum 2: 12 credits, 3 contact hours per week
- Discipline Studies Elective (See List 1): 12 credits

Year 4, Semester 2
- Education Studies Elective Unit 1 (See List 2): 12 credits, 3 contact hours per week
- Education Studies Elective Unit 2 (See List 2): 12 credits, 3 contact hours per week

---

Students in years two, three and four in 1996 will continue in their current program (please see the end of this section).
List 1: Discipline Studies Elective Units

**LANGUAGE**

**Minor:**
- LAB441 Children’s Literature 12 3
- LAB446 Grammar for Writers 12 3
- LAB321 Writing Workshop 12 3

**Major:**
- Completion of the units in minor and:
  - LAP513 Media Literacy & the School 12 3
  - LAP517 Storytelling 12 3

**MATHEMATICS**

**Minor:**
- MDB347 Excursions in Mathematics 12 3
- MDB388 Gaming & Chance 12 3
- MDB349 Mathematical Reasoning 12 3

**STUDIES OF SOCIETY AND ENVIRONMENT**

**Minor:**
- SBB371 Knowing your Environment 12 3
- SBB372 The Consumer, Society & the Environment 12 3
- SBB373 Future Societies & Environments – Australia, Asia & the Pacific 12 3

**Major:**
- Completion of units in minor and:
  - SBB442 Environmental Field Studies 12 3
  - SBB343 The Australian Legacy 12 3

**HEATH AND PHYSICAL EDUCATION**

**Minor:**
- HMB313 Socio-Cultural Foundations of Physical Activity 12 4
- HMB376 Motor Development in Children 12 4

**Major:**
- Completion of units in minor plus two additional units from:
  - LSB131 Anatomy 12 6
  - LSB231 Physiology & Pharmacology 12 6
  - HMB271 Motor Control & Learning 12 4
  - HMB272 Biomechanics 12 4
  - HMB273 Exercise Physiology 12 4
  - HMB274 Functional Anatomy 12 4
  - HMB314 Performance Skills 1 12 6
  - HMB315 Performance Skills 2 12 6
  - HMB316 Performance Skills 3 12 6

**VISUAL AND PERFORMING ARTS**

**Minor:**
- Three level one units from the selected Arts discipline area. Areas available are Music, Visual Arts, Drama and Dance. Students must satisfy any specific entry requirements for Arts units. This could include auditions, portfolios, etc.

**Major:**
- Completion of units in minor and two further units in the selected area at either level 1 or advanced level.
SCIENCE

Minor:
MDB389  Life & Living Processes  12  3
MDB390  Natural & Processed Materials  12  3
MDB391  Earth & Space  12  3

Major:
Completion of units in minor and:
LSB142  Human Anatomy & Physiology  12  5
SCB202  Science, Technology and Society  12  4

TECHNOLOGY

Minor:
MDB392  Educational Computing Environments  12  3
MDB393  Networked Communications  12  3
MDB394  Choosing Software for Educational Contexts  12  3

Major
Completion of units in minor and:
MDP503  Information Systems in Education  12  3
MDP504  School Administration Using Information Technology  12  3

LOTE
Students wishing to undertake studies in French, Indonesian or Japanese are required to select a specified sequence of six units (72 credit points). Students should consult with the Bachelor of Education (Secondary) LOTE Teaching Area Coordinator.

List 2: Education Studies Elective Units
Students select one unit from Group A and one unit from Group B.

Group A: Professional Work of Educators
CPB330  ATS Education Policy  12  3
CPB331  Asian Culture & Education  12  3
CPB332  School–Community Relations  12  3
CPB333  Policy Making & Changing School Practices  12  3
CPB334  Powerful Teachers, Powerful Students  12  3
CPB335  Teacher as Researcher  12  3
CPB423  Society, Social Policy & Education  12  3
CPB442  Education in a Multicultural Society  12  3
CPB446  Women, Education & Social Change in Australia  12  3
CUB330  Education Law & the Beginning Teacher  12  3
CUB366  Learning/Teaching Environments  12  3
CUB432  Teachers as Isolated Learners  12  3
CUB433  Teaching Strategies  12  3
CUB442  Introduction to Educational Administration  12  3
CUB443  Classroom Assessment Practices  12  3
EDB440  Independent Study\(^{20}\)  12  3
LEB441  Education Counselling  12  3
LEB443  Human Sexuality & Learning  12  3
LEB444  Human Sexuality & Development  12  3
LEB480  Research Methods in Education  12  3
MDB300  Teaching in the Information Age  12  3

Group B: Difference and Diversity Among Learners
CPB336  Education & Cultural Diversity  12  3
CPB337  Gender & Education  12  3
CPB338  Identifying & Responding to Student Differences  12  3
CPB339  Teaching Aboriginal & Torres Strait Islander Students  12  3
CUB367  Classroom & Behaviour Management  12  3
EDB440  Independent Study\(^{20}\)  12  3

\(^{20}\) The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office. Applications must be approved prior to the commencement of the semester in which the study is to be undertaken.
Bachelor of Education (Primary) Course Structure (for Commencing Students in 1996)

<table>
<thead>
<tr>
<th>STRAND</th>
<th>YEAR 1</th>
<th>YEAR 2</th>
<th>YEAR 3</th>
<th>YEAR 4</th>
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<td>Assessment in Language</td>
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</tbody>
</table>
LEB331 Teaching Children with Low Incidence Disabilities 12 3  
LEB332 Teaching Exceptional Students 12 3  
LEB337 Gifted Learners 12 3  

**List 3: Curriculum Studies Elective Units**  
LAB414 Advanced Topics in Language Education 12 3  
AAB916 Advanced Curriculum in Visual & Performing Arts 12 3  
MDB418 Creating Multi-Media Environments for Teaching & Learning 12 3  
MDB419 Mapping Children’s Learning of Mathematics 12 3  
MDB429 Initiatives in Science Education 12 3  
SBB346 Advanced Curriculum: Environmental Education 12 3  
CUB447 Getting it all Together: Teachers’ Professional Work in the Differing Contexts of the Primary Classroom 12 3  
HMB341 Sporting & Camping Administration 12 3  

**Course Structure for Continuing Students in Years Two, Three and Four in 1996**  

**Year 2, Semester 1**  
AAB914 Visual & Performing Arts Curriculum 1 12 3  
CUB360 Teachers as Communicators & Professional Practice 1 12 3  
SBB340 Teaching Social Education 12 3  
Select one unit from the following:  
LOTE Elective Unit 1 (see List 4) 12 4  
Elective Unit B1 (see List 5) 12 3  

**Year 2, Semester 2**  
CUB361 Teachers as Managers & Professional Practice 2 12  
LAB338 Classroom Language Learning 12 3  
MDB339 Mathematics Education 12 3  
Select one unit from the following:  
LOTE Elective Unit 2 (see List 4) 12 4  
Elective Unit B2 (see List 5) 12 3  

**Year 3, Semester 1**  
CUB362 Teachers as Curriculum Decision-makers & Professional Practice 3 12  
LEB336 Psychology of Learning & Teaching 12 3  
MDB341 Science Education 12 3  
Select one unit from the following:  
AAB915 Visual & Performing Arts Curriculum 2 12 3  
LOTE Elective Unit 3 (see List 4) 12 4  

**Year 3, Semester 2**  
CPB343 Understanding Educational Practices 12 3  
HMB301 Health & Physical Education 1 12 3  
Select one unit from each of the following groups:  
SBB339 Curriculum in Social Education 12 3  
LAB334 Primary LOTE Curriculum Studies (see List 6) 12 3  
LOTE Elective Unit 4 (see List 4) 12 4  
Elective Unit B3 (see List 5) 12 3  

**Year 4, Semester 1**  
CUB363 Teachers as Responsive Practitioners & Professional Practice 4 12  
LAB331 Language Programming & Assessment 12 3  
MDB340 Mathematics & Technology Education 12 3  
Select one unit from the following:  
HMB302 Health & Physical Education 2 12 3  
LOTE Elective Unit 5 (see List 4) 12 4  

**Year 4, Semester 2**  
CUB364 Teachers as Reflective Practitioners & Professional Practice 5 12  
Education Studies Elective Unit (see List 2) 12 3  
Education Studies Elective Unit (see List 2) 12 3
Select one unit from the following:
- Curriculum Elective Unit (see List 6) 12 3
- LOTE 6 (See List 4) 12 4

List 4: Languages Other Than English (LOTE) Units

General primary/LOTE students are required to complete 72 credit points of discipline/content studies plus 12 credit points of curriculum studies in one of the four languages available. Students who have taken their LOTE to Year 12 or equivalent do not take the introductory units. The language units in the discipline/content strand are as follows.

**FRENCH**
- HUB670 Introductory French 1 12 4
- HUB671 Introductory French 2 12 4
- HUB672 French Language & Culture 1 12 4
- HUB673 French Language & Culture 2 12 4
- HUB674 French Language & Culture 3 12 4
- HUB675 French Language & Culture 4 12 4
- HUB676 French Language & Culture 5 12 4
- HUB677 French Language & Culture 6 12 4

**GERMAN**
- HUB735 Introductory German 1 12 4
- HUB736 Introductory German 2 12 4
- HUB737 German Language & Culture 1 12 4
- HUB738 German Language & Culture 2 12 4
- HUB739 German Language & Culture 3 12 4
- HUB740 German Language & Culture 4 12 4
- HUB741 German Language & Culture 5 12 4
- HUB742 German Language & Culture 6 12 4

**INDONESIAN**
- HUB650 Introductory Indonesian 1 12 4
- HUB651 Introductory Indonesian 2 12 4
- HUB652 Indonesian Language & Culture 1 12 4
- HUB653 Indonesian Language & Culture 2 12 4
- HUB654 Indonesian Language & Culture 3 12 4
- HUB655 Indonesian Language & Culture 4 12 4

**JAPANESE**
- HUB660 Introductory Japanese 1 12 4
- HUB661 Introductory Japanese 2 12 4
- HUB662 Japanese Language & Culture 1 12 4
- HUB663 Japanese Language & Culture 2 12 4
- HUB664 Japanese Language & Culture 3 12 4
- HUB665 Japanese Language & Culture 4 12 4
- HUB666 Japanese Language & Culture 5 12 4
- HUB667 Japanese Language & Culture 6 12 4

List 5: Elective Units B

Students (except for those following the LOTE program) complete three units from one of the following groups.

**ABORIGINAL AND TORRES STRAIT ISLANDER STUDIES**
- EDB336 Aboriginal & Torres Strait Islanders, Past & Present 12 3
- EDB337 Issues in Aboriginal & Torres Strait Islander Cultures 12 3
- EDB338 Murr & Torres Strait Islander Studies: An Integrated Perspective 12 3

**ARTS**

Students wishing to undertake studies in Dance, Drama or Visual Art will be able to select an appropriate sequence of accredited units offered to Education students by the Academy of the Arts. Any student wishing to select a Visual Arts specialisation should seek the
advice of the Secondary Art Teaching Area Coordinator. Those wishing to take a music specialisation will take the following three music units.

AAB911 Exploring Music 1 12 3
AAB912 Exploring Music 2 12 3
AAB913 Exploring Music 3 12 3

ASIAN STUDIES
HUB610 Approaches to Asian/Pacific Basin Studies 12 3
HUB626 Contemporary Southeast Asia 12 3
HUB628 Modern Japan 12 3

HEALTH
HMB305 Personal Health 12 3
HMB333 Child & Adolescent Health 12 3
PUB327 Health Issues in Australia 12 3

LANGUAGE
LAB322 Literature in Teaching 12 3
LAB336 Linguistics in Teaching 12 3
LAB337 Workshop for Writers 12 3

MATHEMATICS
MDB301 History of Mathematics 12 3
MDB347 Excursions in Number 12 3
MDB349 Mathematical Thinking 12 3

PHYSICAL EDUCATION
HMB304 Physical Activity & Modern Society 12 3
HMB306 Developmental & Integrated Physical Activity 12 3
HMB308 Physical Activity Studies 12 3

SCIENCE
MDB378 Earth & Space 12 3
MDB379 Science & Survival 12 3
MDB380 Technology & Life Science 12 3

STUDENTS WITH DISABILITIES
HMB345 Motor Development & Performance in Disabled Children 12 3
LEB304 Children with Social & Emotional Difficulties 12 3
LEB305 Understanding Children with Intellectual Disabilities 12 3

SOCIAL SCIENCES
SBB343 The Australian Legacy 12 3
SBB344 Consumer Education in Primary Schools 12 3
SBB345 Australia, Asia & the Pacific – A Futures Approach 12 3

List 6: Curriculum Elective Units
AAB916 Advanced Visual & Performing Arts Curriculum 12 3
AAB917 The Arts & the Whole Curriculum 12 3
CUB331 Mainstream Integration of Children with Disabilities 12 3
HMB341 Sporting & Camping Administration 12 3
HMB342 The Development of Teaching Skills in Physical Education 12 3
HMB343 Environmental Health 12 3
HMB344 Human Relationships Education 12 3
LAB332 Children’s Literature in the Primary Curriculum 12 3
LAB333 Language in Key Learners 12 3
LAB334 Primary LOTE Curriculum Studies21 12 3
LEB431 Interactive Teaching Strategies 12 3
MDB342 Computers in the School Curriculum 12 3
MDB343 Diagnosis & Remediation in Mathematics 12 3
MDB344 Initiatives in Science Education 12 3
PUB327 Nutrition Education 12 3
SBB341 Directions in Social Education 12 3
SBB346 Environmental Education 12 3

21 For students following the LOTE program.
Bachelor of Education (Primary) Course Structure for Continuing Students of Years Two, Three and Four in 1996

<table>
<thead>
<tr>
<th>STRAND</th>
<th>YEAR 1</th>
<th>YEAR 2</th>
<th>YEAR 3</th>
<th>YEAR 4</th>
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<td>PROFESSIONAL PRACTICE</td>
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</tbody>
</table>

1 Credit points for field experience come from the education studies in the corresponding component.
2 These units include a component of campus-based study.
Bachelor of Education (Secondary) (ED50)

Location: Kelvin Grove campus (some unit areas are located at Carseldine and Gardens Point campuses)

Course Duration: 4 years full-time (2 years full-time for Graduate Entry students meeting all discipline studies requirements for their two teaching areas from their initial degree)

Total Credit Points: 384 (192 for Graduate Entry students)

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr John Whitta

Associate Course Coordinator: Mr Peter Meadmore

Course Requirements

Undergraduate-entry students complete 192 credit points of professional studies and 192 credit points of discipline studies. Graduate-entry students complete 192 credit points of professional studies only.

Entry into Course Streams

<table>
<thead>
<tr>
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<th>DISCIPLINE AREAS</th>
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<td>Art</td>
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<tr>
<td>Business Education</td>
<td>Accounting/Business Management</td>
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<td></td>
<td>Office Communication Technology</td>
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<tr>
<td>Communication</td>
<td>Economics</td>
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<td>Legal Studies</td>
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<td>English</td>
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<td>Film &amp; Media Studies</td>
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Studies are also available in Health Education.

Discipline Studies

Undergraduate-entry students are required to take 192 credit points of Discipline Studies units, specialising in two teaching areas appropriate to Years 8–12 in Queensland. Students must complete at least 96 credit points in one teaching area and will normally complete at least 72 credit points in their other teaching area (Groups X and Y). The remaining 24 credit points may be added to the 72, added to the 96, or used for personal development in a third area.

In certain circumstances, permission may be given to complete 48 credit points in a non-teaching discipline area. Students undertaking this option will complete 96 credit points in

22 Not available to commencing students in 1996.
one of their two teaching areas and 48 credit points in their other teaching area. An additional 48 credit points may then be selected in a non-teaching area.

**Note:** The abovementioned option is not available in all teaching areas. Approval from the Course Coordinator is required. Students wishing to explore this option should consult with the Associate Course Coordinator (Secondary). Hence, the combinations available include the following:

(a) Teaching area 1  
Teaching area 2  
72 credit points  
120 credit points  
(b) Teaching area 1  
Teaching area 2  
96 credit points  
96 credit points  
(c) Teaching area 1  
Teaching area 2  
72 credit points  
96 credit points  
Liberal Studies (Group Z)  
24 credit points  
(d) Teaching area 1  
Teaching area 2  
Non-teaching area  
48 credit points  
48 credit points  
96 credit points

* Option (d) is not available in Art, Drama, Physical Education, Home Economics, LOTE; and is only available in the following teaching areas if Science Studies is taken as Teaching Area 1 and Chemistry, Physics, Biology or Earth Science are taken as Teaching Area 2.

The teaching areas are divided into Group X and Group Y as shown below. Students may also select up to 24 credit points from units in Group Z in consultation with the Associate Course Coordinator. Students should note that not all Faculties offer units for elective studies in the Bachelor of Education (Pre-service).

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<tr>
<td>Physical Education</td>
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<td>Science Studies23</td>
<td>Health Education</td>
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<tr>
<td></td>
<td>Science Studies24</td>
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</tr>
</tbody>
</table>

**Notes**

Where the same teaching area is listed in both Groups X and Y (for instance, English), it may only be selected once.

There may be limited places in some disciplines as a second teaching area.

Under certain conditions, students may be permitted to complete a double major in physical education.

23 Biology, Chemistry and Earth Science can only be undertaken by students also studying Science Studies.

24 Physics and Science Studies can only be taken with Mathematics.
Bachelor of Education (Secondary) Course Structure - Graduate Entry Students. Refer to heading 'Course Structure for Continuing Students in Years Two, Three and Four in 1996'.

<table>
<thead>
<tr>
<th>STRAND</th>
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<td>Human Development &amp; Education (12)</td>
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<td>(12)</td>
<td>(12)</td>
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<td></td>
<td>Introduction to Professional Practice (12)</td>
<td>Education in Context (12)</td>
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<td></td>
<td>Language Technology &amp; Education (12)</td>
<td>Language Technology &amp; Education (12)</td>
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<td>Field Experience (1 week) (12)</td>
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<td>CURRICULUM STUDIES</td>
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<td>Curriculum Studies 1Y (12)</td>
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<td></td>
<td>Curriculum Studies 2X (12)</td>
<td>Curriculum Studies 2Y (12)</td>
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</tr>
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TOTAL 48 48 48 48 192

+ Credit Points for field experience come from the core education studies in corresponding semesters.
+ Credit has been given for years 1 and 2 of the BEd (Pre-service) based on the initial degree qualification.
+ On campus program equivalent to a 14 week unit.
The following course structure is for students commencing Year 1 in 1996. Students in Years 2, 3 and 4 in 1996 will continue with their current program (please see the end of this section). See List 1 on page 496.

### Year 1, Semester 1
- Discipline Studies X Unit (See List 1) 24
- Discipline Studies Y Unit (See List 1) 24

### Year 1, Semester 2
- CPB342 Education in Context 12 3
- LEB335 Human Development and Education 12 3
- Discipline Studies X Unit (See List 1) 12
- Discipline Studies Y Unit (See List 1) 12

### Year 2, Semester 1
- CUB371 Secondary Professional Practice 1: Classroom Management 12
- LAB341 Language, Technology and Education 12 3
- Discipline Study X (See List 1) 12
- Discipline Study Y (See List 1) 12

### Year 2, Semester 2
- Discipline Study X (See List 1) 12
- Discipline Study X (See List 1) 12
- Discipline Study Y (See List 1) 12
- Discipline Study Y (See List 1) 12

### Year 3, Semester 1
- Discipline Studies X or Y (See List 1) 24
- Discipline Studies X, Y or Z (See List 1) 24

### Year 3, Semester 2
- LEB336 Psychology of Learning and Teaching 12 3
- CUB372 Secondary Professional Practice 2: Curriculum Decision Making 12
- Curriculum Studies 1X (See List 2) 12
- Curriculum Studies 1Y (See List 2) 12

### Year 4, Semester 1
- CPB343 Understanding Educational Practices 12 3
- CUB373 Secondary Professional Practice 3: The Inclusive Curriculum 12
- Curriculum Studies 2X (See List 2) 12
- Curriculum Studies 2Y (See List 2) 12

### Year 4, Semester 2
- Education Studies Elective (See List 3) 12
- Education Studies Elective (See List 3) 12
- CUB374 Secondary Professional Practice 4: The Beginning Teacher 12
- Curriculum Studies Elective (See List 4) 12

### List 4: Curriculum Studies Elective
- CUB445 Progressive Strategies for General & Vocational Education 12 3
- CUB446 Advanced Skills of Effective Learning & Teaching 12 3
- MDB414 Learning Environments Using Information Technology 12 3
- MDB417 Assessing the Mathematical & Scientific Achievements of Students 12 3
- SBB441 Business Organisation & Management Education 12 3
- SBB414 Studies of Society and Environment 12 3
- LAB411 Advanced Studies in Film & Media Curriculum 12 3
- LAB412 Advanced Studies in English/ESL Curriculum 12 3

Note: Discipline Studies units are shown as electives. Specific requirements for these units are dependent on the Teaching Area Coordinator.
# Bachelor of Education (Secondary) Course Structure (Commencing Students in 1996 only)

<table>
<thead>
<tr>
<th>STRAND</th>
<th>YEAR 1</th>
<th></th>
<th>YEAR 2</th>
<th></th>
<th>YEAR 3</th>
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<tbody>
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<td>Semester 4</td>
<td>Semester 5</td>
<td>Semester 6</td>
<td>Semester 7</td>
<td>Semester 8</td>
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<tr>
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<td>Education in Context (12)</td>
<td>Human Development &amp; Education (12)</td>
<td>Psychology of Learning and Teaching (12)</td>
<td>Understanding Educational Practices (12)</td>
<td>Education Studies Electives (24)</td>
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<td><strong>CURRICULUM STUDIES</strong></td>
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<td>Curriculum Studies 2X (12)</td>
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</table>
Course Structure for Continuing Students in Years Two, Three and Four in 1996

Year 2, Semester 1
LEB335 Human Development & Education 12 3
CUB365 Introduction to Professional Practice in Education 12 3
Discipline Studies X Unit (See List 1) 12 3
Discipline Studies Y Unit (See List 1) 12 3

Year 2, Semester 2
Discipline Studies X Unit (See List 1) 24
Discipline Studies Y Unit (See List 1) 24

Year 3, Semester 1
CUB356 Professional Practice I 12
LEB336 Psychology of Learning & Teaching 12 3
Curriculum Studies 1X Unit (See List 2) 12 3
Curriculum Studies 1Y Unit (See List 2) 12 3

Year 3, Semester 2
Discipline Studies X, Y or Z Units (See List 1) 48

Year 4, Semester 1
CPB343 Understanding Educational Practices 12 3
CUB357 Professional Practice 2 12
Education Studies Elective Unit (See List 3) 12 3
Education Studies Elective Unit (See List 3) 12 3

Year 4, Semester 2
CUB358 Professional Practice 3 12
CUB359 Professional Practice 4: The Beginning Teacher 12
Curriculum Studies 2X Unit (See List 2) 12 3
Curriculum Studies 2Y Unit (See List 2) 12 3

List 2: Curriculum Studies units
Students complete two sets of Curriculum Studies units corresponding to the two discipline areas they select. The sets (comprising unit X and unit Y) of curriculum studies are listed below.

AAB412 Art Curriculum Studies 1 12 3
AAB413 Art Curriculum Studies 2 12 3
AAB414 Drama Curriculum Studies 1 12 3
AAB415 Drama Curriculum Studies 2 12 3
HMB310 Physical Education Curriculum Studies 1 12 3
HMB370 Physical Education Curriculum Studies 2 12 3
HMB340 Physical Education Curriculum Studies 1B 12 3
HMB380 Physical Education Curriculum Studies 2B 12 3
HMB390 Health Education Curriculum Studies 1 12 3
HMB395 Health Education Curriculum Studies 2 12 3
LAB325 English Curriculum Studies 1 12 3
LAB326 English Curriculum Studies 2 12 3
LAB327 Film & Media Curriculum Studies 1 12 3
LAB328 Film & Media Curriculum Studies 2 12 3
LAB329 LOTE Curriculum Studies 1 12 3
LAB330 LOTE Curriculum Studies 2 12 3
MDB325 Biology Curriculum Studies 1 12 3
MDB326 Biology Curriculum Studies 2 12 3
MDB327 Chemistry Curriculum Studies 1 12 3
MDB328 Chemistry Curriculum Studies 2 12 3
MDB329 Computing Curriculum Studies 1 12 3
MDB330 Computing Curriculum Studies 2 12 3
### Bachelor of Education (Secondary) Course Structure
(Continuing Students in 1996 – Years Two, Three and Four only)

<table>
<thead>
<tr>
<th>STRAND</th>
<th>YEAR 1</th>
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<th>YEAR 3</th>
<th>YEAR 4</th>
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<td>Semester 1</td>
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<td>Field Experience (2 weeks)*</td>
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* Credit points for field experience come from the core education studies in corresponding semesters.

** On-campus program equivalent to a 14 week unit.
<table>
<thead>
<tr>
<th>Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>MDB331</td>
<td>Earth Science Curriculum Studies 1</td>
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<tr>
<td>MDB332</td>
<td>Earth Science Curriculum Studies 2</td>
<td>12</td>
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<tr>
<td>MDB333</td>
<td>Mathematics Curriculum Studies 1</td>
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<tr>
<td>MDB334</td>
<td>Mathematics Curriculum Studies 2</td>
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<td>MDB335</td>
<td>Physics Curriculum Studies 1</td>
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<td>MDB337</td>
<td>Science Curriculum Studies 1</td>
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<td>PUB312</td>
<td>Home Economics Curriculum Studies 1</td>
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</tr>
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<td>PUB322</td>
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<td>SBB325</td>
<td>Accounting/Business Management Curriculum Studies 1</td>
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<td>SBB326</td>
<td>Accounting/Business Management Curriculum Studies 2</td>
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<td>SBB327</td>
<td>Office Communication Technology Curriculum Studies 1</td>
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<td>Legal Studies Curriculum Studies 1</td>
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<td>SBB337</td>
<td>Social Science Curriculum Studies 1</td>
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<tr>
<td>SBB338</td>
<td>Social Science Curriculum Studies 2</td>
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List 3: Education Studies Elective Units

Students select one unit from Group A and one unit from Group B.

**Group A: Professional Work of Educators**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>CPB330</td>
<td>Aboriginal &amp; Torres Strait Islander Education Policy</td>
<td>12</td>
</tr>
<tr>
<td>CPB331</td>
<td>Asian Culture &amp; Education</td>
<td>12</td>
</tr>
<tr>
<td>CPB332</td>
<td>School–Community Relations</td>
<td>12</td>
</tr>
<tr>
<td>CPB333</td>
<td>Policy Making and Changing School Practices</td>
<td>12</td>
</tr>
<tr>
<td>CPB334</td>
<td>Powerful Teachers, Powerful Students</td>
<td>12</td>
</tr>
<tr>
<td>CPB335</td>
<td>Teacher as Researcher</td>
<td>12</td>
</tr>
<tr>
<td>CUB330</td>
<td>Education Law &amp; the Beginning Teacher</td>
<td>12</td>
</tr>
<tr>
<td>CUB366</td>
<td>Learning/Teaching Environments</td>
<td>12</td>
</tr>
<tr>
<td>EDB440</td>
<td>Independent Study</td>
<td>12</td>
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<tr>
<td>LEB441</td>
<td>Educational Counselling</td>
<td>12</td>
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<tr>
<td>LEB480</td>
<td>Research Methods in Education</td>
<td>12</td>
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<tr>
<td>MDB300</td>
<td>Teaching in the Information Age</td>
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Additional Group A Education Studies electives accredited in the Bachelor of Education (Inservice) course have been accredited for offer in the Bachelor of Education (Secondary) course. Specified units are as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CPB442</td>
<td>Education in a Multicultural Society</td>
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</tr>
<tr>
<td>CPB423</td>
<td>Society, Social Policy and Education</td>
<td></td>
</tr>
<tr>
<td>CPB446</td>
<td>Women, Education and Social Change in Australia</td>
<td></td>
</tr>
<tr>
<td>CUB432</td>
<td>Teachers as Isolated Learners</td>
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<tr>
<td>CUB433</td>
<td>Teaching Strategies</td>
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<tr>
<td>CUB442</td>
<td>Introduction to Educational Administration</td>
<td></td>
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<tr>
<td>CUB443</td>
<td>Classroom Assessment Practices</td>
<td></td>
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<tr>
<td>LEB441</td>
<td>Educational Counselling</td>
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<tr>
<td>LEB443</td>
<td>Human Sexuality and Learning</td>
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<tr>
<td>LEB444</td>
<td>Human Sexuality and Development</td>
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</tbody>
</table>

Only one independent study is permitted. Students should consult with the Faculty of Education office prior to enrolling. The Independent Study Guide and application form are available from the Faculty office.

Recommended elective unit for students contemplating higher degree studies.
# Group B: Difference and Diversity Among Learners

<table>
<thead>
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<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CPB336</td>
<td>Education &amp; Cultural Diversity</td>
<td>12</td>
</tr>
<tr>
<td>CPB337</td>
<td>Gender &amp; Education</td>
<td>12</td>
</tr>
<tr>
<td>CPB338</td>
<td>Identifying &amp; Responding to Student Differences</td>
<td>12</td>
</tr>
<tr>
<td>CPB339</td>
<td>Teaching Aboriginal &amp; Torres Strait Islander Students</td>
<td>12</td>
</tr>
<tr>
<td>CUB367</td>
<td>Classroom &amp; Behaviour Management</td>
<td>12</td>
</tr>
<tr>
<td>EDB440</td>
<td>Independent Study</td>
<td>12</td>
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<tr>
<td>LEB331</td>
<td>Teaching Children with Low Incidence Disabilities</td>
<td>12</td>
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<td>LEB332</td>
<td>Teaching Exceptional Students</td>
<td>12</td>
</tr>
<tr>
<td>LEB337</td>
<td>Gifted Learners</td>
<td>12</td>
</tr>
</tbody>
</table>

*List 1: Discipline Studies Units*

Students are required to select units according to the teaching area guidelines provided below.

**ART (X)**

- **Minor**: 72 credit points – consisting of 72 credit points of level one units
- **Major**: 96 credit points – consisting of 84 credit points of level one and 12 credit points of advanced units
- **Extended Major**: 120 credit points – consisting of 36 credit points of level one and the remainder (84 credit points) of advanced units

In selecting units, students should seek the advice of the Art Teaching Area Coordinator.

**ACCOUNTING/BUSINESS MANAGEMENT (X/Y)**

- **Minor**: 72 credit points – consisting of 36 credit points of level one and the remainder (36 credit points) of advanced units
- **Major**: 96 credit points – consisting of 36 credit points of level one and the remainder (60 credit points) of advanced units
- **Extended Major**: 120 credit points – consisting of 36 credit points of level one and the remainder (84 credit points) of advanced units

In selecting units, students should seek the advice of the Accounting/Business Management Teaching Area Coordinator.

**BIOLOGY (Y)**

- **Minor**: 72 credit points – consisting of 36 credit points of level one units from the areas of Science, Computing or Mathematics, and the other 36 credit points to include a Science and Society unit and 24 credit points in advanced Biology units
- **Major**: 96 credit points – as for the minor with the remaining 24 credit points in advanced Biology units
- **Extended Major**: 120 credit points – as for the major with the remaining 24 credit points in advanced Biology units

In selecting units, students should seek the advice of the Biology Teaching Area Coordinator.

**CHEMISTRY (Y)**

- **Minor**: 72 credit points – consisting of 36 credit points of level one units from the areas of Science, Computing or Mathematics and the other 36 credit points to include a Science and Society unit and 24 credit points in advanced Chemistry units
- **Major**: 96 credit points – as for the minor with the remaining 24 credit points in advanced Chemistry units
- **Extended Major**: 120 credit points – as for the major with the remaining 24 credit points in advanced Chemistry units

In selecting units, students should seek the advice of the Chemistry Teaching Area Coordinator.

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27 Only one independent study is permitted. Students should consult with the Faculty of Education office prior to enrolling. The Independent Study Guide and application are available from the Faculty office.

28 Recommended elective unit for students contemplating higher degree studies.

29 These guidelines are subject to final approval.
COMPUTING (X)

**Minor**  72 credit points – consisting of 48 credit points of level one and the remainder (24 credit points) of advanced units

**Major**  96 credit points – consisting of 48 credit points of level one and the remainder (48 credit points) of advanced units

**Extended Major**  120 credit points – as for major program plus 24 credit points selected in consultation with the Computing Teaching Area Coordinator

In selecting units, students should seek the advice of the Computing Teaching Area Coordinator.

DRAMA (X)

**Minor**  72 credit points – consisting of 60 credit points of level one and the remainder (12 credit points) of advanced units

**Major**  96 credit points – consisting of 60 credit points of level one and the remainder (36 credit points) of advanced units

**Extended Major**  120 credit points – consisting of 60 credit points of level one and the remainder (60 credit points) of advanced units

In selecting units, students should seek the advice of the Drama Teaching Area Coordinator.

EARTH SCIENCE (Y)

**Minor**  72 credit points – consisting of 36 credit points of level one units from the areas of Science, Computing or Mathematics and the other 36 credit points to include Astronomy, Science and Society and a unit in advanced Earth Science

**Major**  96 credit points – as for the minor with the remaining 24 credit points in advanced Earth Science units

**Extended Major**  120 credit points – as for the major with the remaining 24 credit points in advanced Earth Science units

In selecting units, students should seek the advice of the Earth Science Teaching Area Coordinator.

ECONOMICS (Y)

**Minor**  72 credit points – consisting of 36 credit points of level one and the remainder (36 credit points) of advanced units

**Major**  96 credit points – consisting of 36 credit points of level one and the remainder (60 credit points) of advanced units

**Extended Major**  120 credit points – consisting of 36 credit points of level one and the remainder (84 credit points) of advanced units

In selecting units, students should seek the advice of the Economics Teaching Area Coordinator.

ENGLISH (X/Y)

**Minor**  72 credit points – consisting of 48 credit points of level one and the remainder (24 credit points) of advanced units

**Major**  96 credit points – consisting of 48 credit points of level one and the remainder (48 credit points) of advanced units

**Extended Major**  120 credit points – consisting of 48 credit points of level one and the remainder (72 credit points) of advanced units

In selecting units, students should seek the advice of the English Teaching Area Coordinator.

FILM AND MEDIA (Y)

**Minor**  72 credit points – consisting of 36 credit points of level one and the remainder (36 credit points) of advanced units

**Major**  96 credit points – consisting of 36 credit points of level one and the remainder (60 credit points) of advanced units

**Extended Major**  120 credit points – consisting of 36 credit points of level one and the remainder (84 credit points) of advanced units

In selecting units, students should seek the advice of the Film and Media Teaching Area Coordinator.

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30 These guidelines are subject to final approval.
In selecting units, students should seek the advice of the Film and Media Teaching Area Coordinator.

GEOGRAPHY (Y)

**Minor**  
72 credit points – consisting of 36 credit points of level one and the remainder (36 credit points) of advanced units

**Major**  
96 credit points – consisting of 36 credit points of level one and the remainder (60 credit points) of advanced units

**Extended Major**  
120 credit points – consisting of 36 credit points of level one and the remainder (84 credit points) of advanced units

In selecting units, students should seek the advice of the Geography Teaching Area Coordinator.

HEALTH (Y)

**Minor**  
72 credit points – consisting of 48 credit points of level one and the remainder (24 credit points) of advanced units

**Major**  
96 credit points – consisting of 48 credit points of level one and the remainder (48 credit points) of advanced units

**Extended Major**  
120 credit points – consisting of 48 credit points of level one and the remainder (72 credit points) of advanced units

In selecting units, students should seek the advice of the Health Teaching Area Coordinator.

HISTORY (Y)

**Minor**  
72 credit points – consisting of one unit selected from each of four areas, Ancient History, Australian History, Asian/Pacific History, European History (48 credit points), plus two other units selected across the four areas (24 credit points)

**Major**  
96 credit points – consisting of one unit selected from each of four areas, Ancient History, Australian History, Asian/Pacific History, European History (48 credit points), plus four other units selected from and of the above four areas (48 credit points)

In selecting units, students should seek the advice of the History Teaching Area Coordinator.

HOME ECONOMICS (X)

**Minor**  
72 credit points – consisting of 72 credit points of level one units

**Major**  
96 credit points – consisting of 72 credit points of level one and the remainder (24 credit points) of advanced units

**Extended Major**  
120 credit points – consisting of 72 credit points of level one and the remainder (48 credit points) of advanced units

In selecting units, students should seek the advice of the Home Economics Teaching Area Coordinator.

LEGAL STUDIES (Y)

**Minor**  
72 credit points – consisting of 48 credit points of level one and the remainder (24 credit points) of advanced units

**Major**  
96 credit points – consisting of 72 credit points of level one and the remainder (24 credit points) of advanced units

**Extended Major**  
120 credit points – consisting of 96 credit points of level one and the remainder (24 credit points) of advanced units

In selecting units, students should seek the advice of the Legal Studies Teaching Area Coordinator.

LOTE (Y)  
(Indonesian, Japanese and French)

Students wishing to undertake studies in French, Indonesian or Japanese are required to select a specified sequence of six units (72 credit points). In selecting units, students should seek the advice of the LOTE Teaching Area Coordinator.

31 These guidelines are subject to final approval.
German is not available to commencing students in 1996.

MATHEMATICS (X/Y)

Minor 72 credit points – consisting of 24 credit points in Foundation Mathematics, 12 credit points in each of the areas of Statistics and other mathematical topics and 24 credit points chosen in consultation with the Mathematics Teaching Area Coordinator

Major 96 credit points – as for the minor program plus an additional 24 credit points chosen in consultation with the Mathematics Teaching Area Coordinator

Extended Major 120 credit points – as for the major with the remaining 24 credit points in advanced Mathematics units

In selecting units, students should seek the advice of the Mathematics Teaching Area Coordinator.

OFFICE COMMUNICATIONS TECHNOLOGY (X)

Minor 72 credit points – consisting of 48 credit points of level one and the remainder (24 credit points) of advanced units

Major 96 credit points – consisting of 48 credit points of level one and the remainder (48 credit points) of advanced units

Extended Major 120 credit points – consisting of 48 credit points of level one and the remainder (72 credit points) of advanced units

In selecting units, students should seek the advice of the Office Communication Technology Teaching Area Coordinator.

PHYSICAL EDUCATION (X)

Minor 72 credit points – consisting of 60 credit points of level one and the remainder (12 credit points) of advanced units

Major 96 credit points – consisting of 60 credit points of level one and the remainder (36 credit points) of advanced units

Extended Major 120 credit points – consisting of 60 credit points of level one and the remainder (60 credit points) of advanced units

Double Major 192 credit points – consisting of 60 credit points of level one and the remainder (132 credit points) of advanced units

In selecting units, students should seek the advice of the Physical Education Teaching Area Coordinator.

PHYSICS

Minor 72 credit points – consisting of 36 credit points of level one units from the areas of Science, Computing or Mathematics and the other 36 credit points to include a Science and Society unit and 24 credit points in advanced Physics

Major 96 credit points – as for the minor with the remaining 24 credit points in advanced Physics units

Extended Major 120 credit points – as for the major with the remaining 24 credit points in advanced Physics units

In selecting units, students should seek the advice of the Physics Teaching Area Coordinator.

SCIENCE STUDIES (X/Y)

Minor 72 credit points – to comprise one 12 credit points unit in each of the areas of Physics, Chemistry, Biology, Earth Science, Astronomy and Science and Society

Major 96 credit points – as for the minor with the remaining 24 credit points in advanced Science units

Extended Major 120 credit points – as for the major with the remaining 24 credit points in advanced Science units

In selecting units, students should seek the advice of the Science Studies Teaching Area Coordinator.
SOCIAL SCIENCE (X)

Minor 72 credit points – consisting of 24 credit points in each of the areas of Australian Studies, Political Studies and 12 credit points from each of the areas of Aboriginal and Torres Strait Culture Studies and Women’s Studies and 12 credit points chosen in consultation with the Social Science Teaching Area Coordinator

Major 96 credit points – as for minor, plus 24 credit points chosen in consultation with the Social Science Teaching Area Coordinator

In selecting units, students should seek the advice of the Social Science Teaching Area Coordinator.

- Bachelor of Teaching (Early Childhood/Primary) (ED40) (ED41)

Course Discontinued: The Bachelor of Teaching (Early Childhood/Primary) course has been phased out and replaced by the Bachelor of Education (Pre-service) course. There will be no further intake into the Bachelor of Teaching course. Students who have not yet completed course requirements should contact the Course Coordinator or the Faculty of Education Office for advice.

Location: Kelvin Grove campus

Total Credit Points: 288

Course Coordinator: Mr John Whitta

- Bachelor of Teaching External Child Care Upgrading Program (ED42)

This course is being phased out over the next three years, and there will be no further intakes.

Location: Kelvin Grove campus

Course Duration: 2.5 years external

Course Coordinator: Dr June Kean

Total Credit Points: 144

Special Requirements

Applicants for the external upgrading program (equivalent to 18 months of full-time study) are required to have had experience in an early childhood care and education service of at least the equivalent of one year of full-time employment; and successful completion of the Associate Diploma in Child Care (BCAE) or Associate Diploma of Education (TAFE) or a relevant qualification in child care, education, health or social work equivalent to at least two years’ full-time study at tertiary level.

Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 2 (July–November)</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAB501 Advanced Child Care Development &amp; Learning</td>
<td>16</td>
</tr>
<tr>
<td>EAB502 Advanced Curriculum Theory &amp; Design for Child Care</td>
<td>16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1 (February–June)</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAB103 Australian Families &amp; Early Education</td>
<td>8</td>
</tr>
<tr>
<td>EAB503 Teaching Strategies for Child Care</td>
<td>16</td>
</tr>
<tr>
<td>Year 2, Semester 2 (July–November)</td>
<td></td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--</td>
</tr>
<tr>
<td>EAB504  Programs &amp; Teaching Strategies for Children Under Three Years</td>
<td>16</td>
</tr>
<tr>
<td>EAB505  Learning Teaching &amp; Integrated Curriculum for 3–5 years</td>
<td>16</td>
</tr>
<tr>
<td><strong>Summer School (3 weeks within the November–January period)</strong></td>
<td></td>
</tr>
<tr>
<td>EAB506  Field Project (Children 0–5 years)</td>
<td>16</td>
</tr>
<tr>
<td><strong>Year 3, Semester 1 (February–June)</strong></td>
<td></td>
</tr>
<tr>
<td>EAB144  Integrating the Exceptional Child in Early Childhood</td>
<td>8</td>
</tr>
<tr>
<td>EAB507  Early Childhood Leadership &amp; Management in the Sociocultural Context</td>
<td>16</td>
</tr>
<tr>
<td><strong>Year 3, Semester 2 (3 weeks within the July–November period)</strong></td>
<td></td>
</tr>
<tr>
<td>EAB508  Field Project (Children 0–12 years)</td>
<td>16</td>
</tr>
</tbody>
</table>
FACULTY OF HEALTH
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FACULTY OF HEALTH

Course Structure

- Master of Applied Science (Research) (HL84)
See entry under University-wide and Interfaculty courses.

Location: Kelvin Grove campus

Course Duration: 1-2 years full-time, 2-4 years part-time (see further details below)

Course Coordinator: For further information on the Master of Applied Science (Research), contact the Faculty of Health office.

Entry Requirements
The minimum academic qualifications for admission to the program are:

- possession of a Bachelor degree in health science, applied science or other approved degree from the Queensland University of Technology, or
- possession of an equivalent qualification, or
- submission of such other evidence of qualifications as will satisfy the academic board that the applicant possesses the capacity to pursue the course of study.

Application for Admission
The Master of Applied Science (Research) program is administered by the Health Faculty Academic Board through its Faculty Research Committee.

Applications for admission should set out fully the candidate’s intended course of study. If a student is admitted as a provisional candidate, they will be required to submit a detailed research proposal at the end of the first year of candidacy. This proposal should include the area of study, the coursework to be undertaken, the proposed title of the thesis to be written, the aim of the proposed program of research and investigation, its background, the significance and possible application of the research program, and the research plan.

Approval of applications is subject to receipt of a statement of support from the Head of School and Director of Centre in which the proposed research program is to be undertaken.

Course of Study
A candidate for the degree of Master of Applied Science undertakes a program of research and investigation on a topic approved by the Faculty Research Committee.

A candidate may be required to undertake an appropriate course of study concurrently with the research program. The course of study normally includes:

- a program of assessed coursework
- participation in University scholarly activities such as research seminars, teaching and publication
- regular face-to-face interaction with supervisors, and
- a program of supervised research and investigation.

Duration of Course
The length of the course will vary depending on the applicant’s qualifications on admission and the candidate’s progress during the course.
Applicants who possess a three-year undergraduate qualification or equivalent normally are enrolled as provisional students for a period of one year (full-time) or two years (part-time). Applicants who possess a four-year degree, Honours year or equivalent may be admitted with confirmed candidature.

Following confirmation of registration, candidates may submit their thesis for examination after a period of at least one year (full-time) or two years (part-time). Maximum periods for submission of thesis are two years (full-time) or four years (part-time) from the date of confirmed registration.

- **Master of Health Science (HL88)**

  **Location:** Kelvin Grove campus

  **Course Duration:** 1.5 years full-time, 3 years part-time

  **Total Credit Points:** 144

  **Standard Credit Points/Full-time Semester:** 48

  **Course Coordinator:** Dr Mary-Lou O’Connor

**Entry Requirements**

To be eligible for entry applicants should hold:

(i) an appropriate three-year bachelor degree or equivalent and should normally have at least one year of appropriate work experience, or

(ii) an appropriate three-year bachelor degree with an additional one year of honours, or

(iii) an appropriate four-year bachelor degree or equivalent, or

(iv) an appropriate graduate diploma, or

(v) other qualifications acceptable to the Dean which may include substantial work experience or involvement in relevant research activities.

Candidates may be required to attend an interview with the relevant Head of the School in which they will complete their research project and thesis in order to establish suitability for entry into the course.

**Advanced Standing**

Candidates with a four-year degree or three-year degree with an additional one year of Honours may be able to obtain advanced standing up to a maximum of 48 credit points for previous study.

Candidates with a Graduate Diploma in Occupational Health and Safety, Nutrition and Dietetics or Health Promotion wanting to continue in these specialisations may be able to obtain advanced standing up to a maximum of 96 credit points for previous study. For candidates undertaking the Graduate Diploma in Health Promotion, there is complete articulation with the Masters degree program. In the case of the Graduate Diplomas in Occupational Health and Safety and Nutrition and Dietetics the articulation is less than complete because of professional requirements for credentialing and registration.

Candidates cannot normally enrol directly in the Masters degree in the areas of Nutrition and Dietetics, Occupational Health Safety or Health Promotion unless they have completed relevant undergraduate qualifications in one of the above areas to the satisfaction of the Course Coordinator. Special consideration may be given to candidates on an individual basis by the Course Coordinator.

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1. Currently under review. Contact Faculty office for further details.
Advanced standing is not automatic and will be subject to the approval of the Course Coordinator.

Special Entry
Candidates who do not hold a qualification required of normal entrants may be required to successfully complete a bridging program or prerequisites prescribed by the Dean in consultation with the relevant Head of School.

Provisional enrolment
Students who do not meet the entry requirements may be admitted on a provisional basis and be required to undertake preliminary coursework and reading as determined by the Course Coordinator. After satisfactory completion of the preliminary studies, students will be admitted to full candidature.

Early Exit From Course
Students who successfully complete the equivalent of one year of full-time study may exit from the program with a Graduate Diploma in Health Science.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUP010 Health in Australian Society</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUN601 Contemporary Health Policies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLN405 Qualitative Research</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MAN009 Experimental Design &amp; Statistical Analysis</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>Plus two of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LWS006 Health Ethics &amp; the Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUN602 Health Planning Management &amp; Evaluation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUN608 Health Economics &amp; Finance</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUN609 Health Care Finance</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUN610 Health Services Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP007 Social &amp; Behavioural Epidemiology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP014 School Health Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP024 Foundations of Health Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP025 Community Health Promotion</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP140 Communication Theory &amp; Practice for Health Professionals</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Year 1, Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLN001 Literature Review</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Three specialist elective units selected from Lists A-H</td>
<td>36</td>
<td>9</td>
</tr>
<tr>
<td>Year 2, Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLN002 Research Project</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>HLN003 Thesis Presentation</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>One specialist elective unit (in appropriate discipline area) selected from List I</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Special Elective Units
Note: Elective units will only be offered if sufficient numbers enrol, thus different special elective units may be subject to periodic intakes. Elective units other than those listed can be selected in consultation with the Course Coordinator.

List A: Environmental Health
- PUN617 Environmental Health Management I | 12 | 3 |
- PUN619 Environmental Health I | 12 | 3 |
- PUN620 Environmental Health 2 | 12 | 3 |
List B: Health Promotion
- PUP018 Health Promotion Strategies 12 3
- PUP021 Case Studies on Contemporary Health Issues 12 3
- PUP023 Program Planning in School & Community Health 12 3

List C: Home Economics
- PUN624 Home Economics Food & Nutrition 12 3
- PUN625 Home Economics Philosophical Foundations 12 3

Select one of the following units:
- PUN622 Clothing: The Human Constructed Environment 12 3
- PUN623 Home Economics, the Family & the Politics of Feminism 12 3

List D: Human Movement Studies
- HMN601 Exercise & Health Across the Lifespan 12 3
- HMN603 Scientific Bases of Human Performance 12 3
- HMN604 Social Issues in Sport 12 3

List E: Occupational Health & Safety
- PUP116 Ergonomics 12 3
- PUP215 Occupational Health & Safety Law & Management 2 12 3
- PUP250 Occupational Hygiene 12 3
- PUP301 Safety Technology & Practice 2 12 3

List F: Optometry
- OPN601 Advanced Contact Lens Studies 12 3
- OPN602 Advanced Clinical Methods 12 3
- OPN603 Advanced Ocular Pharmacology 12 3

List G: Podiatry
- PUN627 Advanced Pharmacology 12 3
- PUN628 Clinical Pathology & Diagnosis 12 3
- PUN629 General Medicine 12 3

List H: Health Information Management
- PUN641 Clinical Data Management 12 3
- PUN642 Classification & Casemix in Health 12 3
- PUN643 Health Informatics 12 3

List I: One to be selected in the appropriate discipline area
- HMN602 Readings in Human Movement Studies 12 3
- MEP201 Safety Technology & Practice 1 12 3
- OPN604 Paediatric Optometry 12 3
- PUN618 Environmental Health Management 2 12 3
- PUN626 Home Economics Field Study 12 3
- PUN630 Computerised Gait Analysis 12 3
- PUN631 Podiatric Surgery 12 3
- PUN644 Case Studies in Health Information Management 12 3
- PUP022 Health Promotion Concepts & Policy: A Critical Analysis 12 3
- PUP415 Occupational Health 12 3

Part-Time Course Structure

Year 1, Semester 1
- PUP10 Health in Australian Society 12 3

Select one of the following units:
- HLN405 Qualitative Research 12 3
- MAN009 Experimental Design & Statistical Analysis 12 4

Year 1, Semester 2

Select one of the following groupings:
- HMN603 Scientific Bases of Human Performance 12 3
- HMN604 Social Issues in Sport 12 3
- OPN602 Advanced Clinical Methods 12 3
- OPN603 Advanced Ocular Pharmacology 12 3
- PUN624 Home Economics Food & Nutrition 12 3
- PUN625 Home Economics Philosophical Foundations 12 3
Year 2, Semester 1

PUN601 Contemporary Health Policies 12 3

Select one of the following units:
- LWS006 Health, Ethics & the Law 12 3
- PUN602 Health Planning Management & Evaluation 12 3
- PUN608 Economics & Health 12 3
- PUN609 Health Care Finance 12 3
- PUN610 Health Services Management 12 3
- PUP007 Social & Behavioural Epidemiology 12 3
- PUP014 School Health Education 12 3
- PUP024 Foundations of Health Education 12 3
- PUP025 Community Health Promotion 12 3
- PUP140 Communication Theory & Practice for Health Professionals 12 3

Year 2, Semester 2

HLN001 Literature Review 12 3

Select one of the following units:
- HMN601 Exercise & Health Across the Lifespan 12 3
- OPN601 Advanced Contact Lens Studies 12 3
- PUN620 Environmental Health 2 12 3
- PUN622 Clothing: The Human Constructed Environment 12 3
- PUN623 Home Economics, the Family & the Politics of Feminism 12 3
- PUN628 Clinical Pathology & Diagnosis 12 3
- PUN643 Health Informatics 12 3
- PUP023 Program Planning in School & Community Health 12 3
- PUP250 Occupational Hygiene 12 3

Year 3, Semester 1

HLN002 Research Project 12 3

Select one of the following units:
- HMN602 Readings in Human Movement Studies 12 3
- MEP201 Safety Technology & Practice 1 12 3
- OPN604 Paediatric Optometry 12 3
- PUN618 Environmental Health Management 2 12 3
- PUN626 Home Economics Field Study 12 3
- PUN630 Computerised Gait Analysis 12 3
- PUN631 Podiatric Surgery 12 3
- PUN644 Case Studies in Health Information Management 12 3
- PUP022 Health Promotion Concepts & Policies: A Critical Analysis 12 3
- PUP415 Occupational Health 12 3

Year 3, Semester 2

HLN003 Thesis Presentation 24

Note: This course is currently undergoing review. The course structure is expected to change slightly for 1996. All units listed above will continue to be offered (subject to demand) but the sequence may change. Additional elective options from within the Faculty of Health and from other Schools and Faculties may be available (subject to approval). In 1996 students will be able to choose from a number of options in the final semester/s. These will include: a thesis (48 credit points), a project or practicum (24 credit points).
and/or additional coursework (up to 48 credit points). Cross specialisation and thematic study options will be permitted following appropriate consultation with the Course Coordinator.

Students who commenced this course prior to 1996 should contact the Course Coordinator for advice on unit selection.

■ Master of Nursing (NS85)

Location: Kelvin Grove campus

Course Duration: 1.5 years full-time, 3 years part-time

Total Credit Points: 144

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Angela Cushing

Entry Requirements

NORMAL ENTRY

Applicants shall hold a Bachelor Degree in Nursing (or equivalent) and shall normally have had at least one year of appropriate postregistration clinical experience.

Applicants may be required to attend an interview with the Head of School and/or Course Coordinator to establish suitability for entry into the course.

Applicants must hold a qualification in nursing acceptable for registration by the Nurses Registration Board of Queensland.

SPECIAL ENTRY

Applicants who do not hold the specific tertiary qualification required of normal entrants may be admitted upon successful completion of a qualifying program prescribed by the Head of School.

Course Requirements

Students are required to complete:

- three core units
- three clinical units (clinical specialisation or clinical studies)
- two approved elective units
- three step-locked dissertation units or a clinical project and two appropriate electives

Note: This course has undergone restructuring. Students who commenced this course prior to 1995 should contact the Course Coordinator to review details of their enrolment program for 1996.

Full-Time Course Structure
(Commencing 1996)

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSN501 Advanced Clinical Strategies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>NSN502 Nursing Knowledge</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSN521 Clinical Specialisation 1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>NSN581 Clinical Studies 1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLN405 Qualitative Research</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MAN009 Experimental Design &amp; Statistical Analysis</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>NSN505 Quantitative Approaches to Nursing Research</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
Year 1, Semester 2
Select one of the following units:
NSN522  Clinical Specialisation 2  12
NSN582  Clinical Studies 2  12
Select one of the following units:
NSN523  Clinical Specialisation 3\(^2\)  12
NSN583  Clinical Studies 3  12
Elective Unit (to be selected from List A)  12
Select one of the following units:
Elective Unit (to be selected from List B)  12
NSN411  Research Seminar (Dissertation students only)  12  3

Year 2, Semester 1
Select one of the following options:
Option 1
NSN406  Dissertation\(^3\)  24
NSN412  Research Project  12
Elective Unit (to be selected from List C)  12
Option 2
NSN506  Clinical Project  24
Elective Unit (to be selected from List C)  12
Elective Unit (to be selected from List C)  12

Part-Time Course Structure
Year 1, Semester 1
NSN501  Advanced Clinical Strategies  12  3
Select one of the following units:
NSN521  Clinical Specialisation 1  12
NSN581  Clinical Studies 1  12
Year 1, Semester 2
Select one of the following units:
NSN522  Clinical Specialisation 2  12
NSN582  Clinical Studies 2  12
Select one of the following units:
NSN523  Clinical Specialisation 3\(^2\)  12
NSN583  Clinical Studies 3  12
Year 2, Semester 1
NSN502  Nursing Knowledge  12  3
Select one of the following units:
HLN405  Qualitative Research  12  3
MAN009  Experimental Design & Statistical Analysis  12  4
NSN505  Quantitative Approaches to Nursing Research  12  3
OR
HLN405  Qualitative Research  12  3
Year 2, Semester 2
Nursing elective (to be selected from List A)  12
Select one of the following units:
NSN411  Research Seminar (Dissertation students only)  12  3
Elective Unit (to be selected from List B)  12

\(^2\) Clinical Specialisation 3 will normally be undertaken as a block clinical practicum following semester.

\(^3\) To be eligible to undertake the dissertation, students must have completed (Qualitative Research) and (Quantitative Approaches to Nursing Research or Experimental Design and Statistical Analysis).
Year 3, Semester 1
Select one of the following options:

Option 1
NSN412 Research Project 12
Elective Unit (to be selected from List C) 12

Option 2
Elective Unit (to be selected from List C) 12
Elective Unit (to be selected from List C) 12

Year 3, Semester 2
Select one of the following units:
NSN406 Dissertation 24
NSN506 Clinical Project 24

Elective lists

List A
NSN505 Quantitative Approaches to Nursing Research 12 3
HLN405 Qualitative Research 12 3
NSN507 Contemporary Issues in Nursing 12
NSN508 Advanced Readings in Nursing 12
NSN509 Special Topic 12

List B
PUP018 Health Promotion Strategies 12 3
PUP021 Case Studies on Contemporary Health Issues 12 3
PUN643 Health Informatics 12 3
Any other 12 credit point postgraduate unit for which students have the necessary prerequisites

List C
LWS006 Health Ethics & the Law 12 3
PUN610 Health Services Management 12 3
PUP025 Community Health Promotion 12 3
PUP140 Communication Theory & Practice for Health Professionals 12 3
Any other 12 credit point postgraduate unit for which students have the necessary prerequisites

Notes

Students are required to undertake Clinical Specialisation 1, 2 and 3 or Clinical Studies 1, 2 and 3.

Advanced standing/credit will not normally be given for the NSN411 Research Seminar or NSN412 Research Project without approval from the Postgraduate Course Coordinator.

First-time enrolling (part-time) students are advised to take the nursing units in the first semester.

Any student wishing to alter his/her enrolment in any manner which impacts on clinical placement may do so following approval from the Postgraduate Course Coordinator.

Master of Public Health (PU85)
QUT, Griffith University and The University of Queensland offer a joint Master of Public Health (MPH) degree, bringing together interdisciplinary knowledge and skills in public health across the three universities. Students enrol in and graduate from the university in which they undertake their specialist elective units and which supervises their dissertation. A formal application is required to other institutions for cross-institutional status.

To be eligible to undertake the dissertation students must have completed (Qualitative Research) and (Quantitative Approaches to Nursing Research or Experimental Design and Statistical Analysis).
Location: Kelvin Grove campus
Course Duration: 1.5 years full-time, 3 years part-time
Total Credit Points: 144
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Associate Professor Don Stewart

Entry Requirements
The entry requirements for the Master of Public Health are identical for the three collaborating institutions, and are as follows:

(1) A person may first enrol as a candidate for the degree only if that person:
   (i) holds a bachelor degree from the university or a similar qualification from an approved institution in the health, behavioural, social or biological sciences with first or second class Honours, and
      (a) which required study for at least four years, or
      (b) which required study for at least three years, if
         (A) a postgraduate diploma from the university or an approved institution is also held, or
         (B) the research publications and written reports of that person satisfy the Faculty Academic Board that the applicant should be accepted as a candidate, and
   (ii) has, since obtaining the qualifications required, had training or experience in a relevant field for a period of at least
      (a) three years, where the applicant seeks entry through paragraph (i) (b) (B), or
      (b) two years, otherwise.

(2) The Dean may allow a person to be admitted as a candidate, if of the opinion:
   (i) that a person has obtained a basic professional qualification in the health, behavioural, social or biological sciences in that person’s home country
   (ii) that person has subsequently had at least four years of relevant professional experience, which may include a post-basic diploma or other relevant training, and
   (iii) the qualifications and experience referred to above warrant admission.

(3) Notwithstanding subrules (1) and (2), a person may not be admitted without first satisfying the Dean, if necessary by passing an examination, that the person has both the level of scientific understanding and the level of proficiency in the English language to undertake the course successfully.

(4) For the purposes of subrule (1) an approved institution is one which, in the opinion of the Faculty Academic Board, maintains standards comparable to those of the university.

Application for Admission
Students enrol at the university in which they expect to undertake their specialist elective units and in which their dissertation will be supervised. Because this choice must be made before enrolment, a person seeking entry to the degree of Master of Public Health must, prior to application for admission, consult the Directorate of the MPH program, telephone (07) 3864 5808.
Course of Study
(1) A candidate must:
   (i) pursue the course (full-time) for not less than three or more than six semesters,
   and
   (ii) obtain 144 credit points (48 per semester full-time, 24 part-time) comprising:
       (a) credit for all units listed in Part A of the Schedule (core units), and
       (b) 48 credit points from units listed in Part B of the Schedule (units), and
       (c) 48 credit points for PUN600 Dissertation (full-time) or PUN607 Dissertation
           (part-time).
(2) The Dean of Health may grant credit for a core unit if the Director considers the
    candidate has, while enrolled in this course, passed a unit or units at least its equivalent
    in content and standard at any of the three collaborating institutions.

Credit for a Unit
To obtain credit for a unit a candidate must:
   (i) attend lectures, seminars, tutorials, practicals and other classes
   (ii) undertake laboratory and fieldwork
   (iii) complete assignments, project reports and theses
   (iv) pass examinations, and
   (v) fulfil any other requirement in the manner and to the extent prescribed by the Director
       concerned.

Dissertation
(1) A candidate may not submit a dissertation for PUN600 Dissertation (full-time) or
    PUN607 Dissertation (part-time) without approval of the topic by the Director of the
    program after consultation with the supervisors.
(2) The dissertation must be examined by two examiners appointed by the Director.
(3) A candidate may, with the approval of the Director, submit further original work,
    whether published or not, for the consideration of the examiners.
(4) The Director shall determine whether credit will be awarded for the dissertation
    after considering the reports of the examiners.

Power of the Faculty Board to Terminate Enrolment
The Faculty Academic Board may, at any time, terminate a candidate's enrolment if it is of
the opinion that the candidate has supplied incomplete or inaccurate information with
respect to application for enrolment.

Grant of Degree
The Master of Public Health degree may be conferred on a candidate who has fulfilled the
requirements of these rules and complied with the provisions of all Statutes and other
applicable rules.

Course Structure\footnote{Subject to confirmation by the three universities involved. Subject to final approval, a one-year full-time and
two years part-time Graduate Diploma in Public Health will run in 1996 which will consist of the coursework component only of the Masters program.}
Students in the program undertake a coursework component in their first two semesters
(full-time) or four semesters (part-time – two units per semester), followed by a dissertation
component of one semester (full-time) or two semesters (part-time). The coursework component comprises four core units and four advanced elective units.

<table>
<thead>
<tr>
<th>PART A</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Units</td>
<td></td>
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</tr>
<tr>
<td>PUN603</td>
<td>Environment &amp; Population Health (GU)</td>
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</tr>
<tr>
<td>PUN604</td>
<td>Introduction to Epidemiology/Biostatistics (UQ)</td>
<td>12</td>
</tr>
<tr>
<td>PUN692</td>
<td>Health Care Delivery Systems (QUT)</td>
<td>12</td>
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<tr>
<td>PUN696</td>
<td>Introduction to Health Promotion (Coordinated by QUT)</td>
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<table>
<thead>
<tr>
<th>PART B</th>
<th>Advanced Elective Units Offered by QUT</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>LWS006</td>
<td>Health, Ethics &amp; the Law</td>
<td>12</td>
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<tr>
<td>PUN608</td>
<td>Health Economics &amp; Finance</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUN610</td>
<td>Health Services Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUN611</td>
<td>Community Health Planning</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PUN612</td>
<td>Advanced Health Evaluation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUN613</td>
<td>Health Promotion Planning &amp; Evaluation</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PUP007</td>
<td>Social &amp; Behavioural Epidemiology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP018</td>
<td>Health Promotion Strategies</td>
<td>12</td>
<td>3</td>
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</table>

(Additional elective units are offered by other collaborating universities.)

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<thead>
<tr>
<th>PART C</th>
<th></th>
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</thead>
<tbody>
<tr>
<td></td>
<td>PUN600  Dissertation (full-time)</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>PUN607  Dissertation (part-time)</td>
<td>48</td>
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</tbody>
</table>

Dissertation

The dissertation is equivalent to an honours dissertation in type and scope and is expected to be between 10,000 and 20,000 words in length.

■ Graduate Diploma in Nursing (NS64)

This course replaces the Graduate Diploma in Advanced Nursing Practice (NS62).

Location: Kelvin Grove campus

Course Duration: 1 year full-time, 2 years part-time.

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Ms Lindy Humphreys-Reid

Entry Requirements

NORMAL ENTRY

Applicants for admission to the course shall hold:

(i) a nursing qualification acceptable for registration by the Queensland Nursing Council
(ii) a degree or diploma in nursing (or equivalent), and
(iii) normally have at least one year of appropriate post-registration clinical experience.

Alternative Entry

Applicants may be admitted on the basis of relevant experience at the discretion of the Head, School of Nursing.

Special Course Requirements

The Graduate Diploma course is comprised of strands which are clinically focused. They are: Critical Care, Gerontological Nursing, Midwifery, Oncology, Perioperative, Primary
Health Care and Psychiatric/Mental Health. Within each strand there are two streams ‘clinical specialisation’ and ‘clinical studies’. If you are either very experienced, have a certificate in the area, or both, then it is likely that the ‘studies’ stream is appropriate for you. If you would like to focus on learning more about the practice area, then you might prefer to enrol in the ‘specialisation’ stream. The ‘specialisation’ stream involves substantial clinical experience. In the case of Midwifery and Psychiatric/Mental Health, those who are already endorsed should enrol in the ‘studies’ stream. Those who are seeking endorsement should enrol in the ‘specialisation’ stream.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSN501 Advanced Clinical Strategies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>NSN502 Nursing Knowledge</td>
<td>12</td>
<td>3</td>
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<tr>
<td>Select one of the following units:</td>
<td></td>
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<tr>
<td>NSN521 Clinical Specialisation 1</td>
<td>12</td>
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<tr>
<td>NSN581 Clinical Studies 1</td>
<td>12</td>
<td></td>
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<tr>
<td>Select one of the following units:</td>
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<td></td>
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<tr>
<td>HLN405 Qualitative Research</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MAN009 Experimental Design &amp; Statistical Analysis</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>NSN505 Quantitative Approaches to Nursing Research</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>

### Year 1, Semester 2

Select one of the following units:
- NSN522 Clinical Specialisation 2
- NSN582 Clinical Studies 2

Select one of the following units:
- NSN523 Clinical Specialisation 3<sup>6</sup>
- NSN583 Clinical Studies 3
- Nursing Elective Unit (to be selected from List A)
- Elective Unit (to be selected from List B)

### Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>NSN501 Advanced Clinical Strategies</td>
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<tr>
<td>Select one of the following units:</td>
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</tr>
<tr>
<td>NSN521 Clinical Specialisation 1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>NSN581 Clinical Studies 1</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

### Year 2, Semester 2

Select one of the following units:
- NSN522 Clinical Specialisation 2
- NSN582 Clinical Studies 2

Select one of the following units:
- NSN523 Clinical Specialisation 3<sup>6</sup>
- NSN583 Clinical Studies 3

### Year 2, Semester 1

- NSN502 Nursing Knowledge | 12 | 3 |

Select one of the following units:
- HLN405 Qualitative Research | 12 | 3 |
- MAN009 Experimental Design & Statistical Analysis | 12 | 4 |
- NSN505 Quantitative Approaches to Nursing Research | 12 | 3 |

### Year 2, Semester 2

Nursing Elective Unit (to be selected from List A) | 12 |
Elective Unit (to be selected from List B) | 12 |

*Clinical Specialisation 3 will normally be undertaken as a block clinical practicum following semester.*
Elective Lists

List A

- HLN405 Qualitative Research 12 3
- NSN505 Quantitative Approaches to Nursing Research 12 3
- NSN507 Contemporary Issues in Nursing 12
- NSN508 Advanced Readings in Nursing 12
- NSN509 Special Topic 12

List B

- NSN411 Research Seminar 12 3
- PUP018 Health Promotion Strategies 12 3
- PUP021 Case Studies on Contemporary Health Issues 12 3
- PUN643 Health Informatics 12 3

Note: Students are required to undertake Clinical Specialisation Studies 1, 2 and 3.

**Graduate Diploma in Health Promotion (PU69)**

Location: Kelvin Grove campus

Course Duration: 2 years part-time internal and external

Total Credit Points: 96

Standard Credit Points/Part-Time Semester: 24

Course Coordinator: Dr Elizabeth Parker

Entry Requirements

To be eligible for admission, an applicant must hold the following:

(i) an approved degree/diploma, or General Nursing Certificate and two post-basic nursing certificates or equivalent, and

(ii) at least one year’s experience in the field of teaching or community health.

Special Course Requirements

There are three major areas in the course: compulsory units, professional units and elective units. All students are required to complete the compulsory units; however, with the approval of the course coordinator, PUP027 Independent Study (12 credit points) may be substituted for one of the compulsory units. Students can select professional units in the School or Community Health area. The scheduling of elective units is subject to staff availability and student demand.

Students should have access to school or community health settings or appropriate health organisations to enable work to be undertaken.

Note: Students wishing to progress to the Master of Health Science must complete MAN009 Experimental Design and Statistical Analysis for Research or HLN405 Qualitative Research.

**Part-Time Course Structure**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUP010 Health in Australian Society</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP022 Health Promotion Concepts &amp; Policies: A Critical Analysis</td>
<td>12</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>PUP007 Social &amp; Behavioural Epidemiology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP024 Foundations of Health Education</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
Year 2, Semester 1
Select one of the following units:
PUP014 School Health Education 12 3
PUP025 Community Health Promotion 12 3
Select one of the following units:
HLN405 Qualitative Research 12 3
MAN009 Experimental Design & Statistical Analysis 12 4
PUP012 Program Evaluation 12 3

Year 2, Semester 2
PUP023 Program Planning in School & Community Health 12 3
Elective Unit 12

Elective Units
Elective unit to be selected from:
LWS006 Health Ethics & the Law 12 3
PUP018 Health Promotion Strategies 12 3
PUP021 Case Studies on Contemporary Health Issues 12 3
PUP027 Independent Study 12
PUP140 Communication Theory & Practice for Health Professionals (Semester 1 only) 12 3

Graduate Diploma in Health Science (HL68)
Location: Kelvin Grove campus
Course Duration: 1 year full-time, 2 years part-time
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr MaryLou O'Connor
Entry Requirements
See Master of Health Science (HL88)

Course Requirements
Students complete a program totalling 96 credit points selected from the Master of Health Science (HL88) program.

Course Structure
Semesters 1 and 2 (Full-time) or Semester 1 to 4 (Part-time) of Master of Health Science (HL88).

Graduate Diploma in Nutrition and Dietetics (PU62)
Location: Kelvin Grove campus
Course Duration: 1.5 years full-time
Total Credit Points: 144
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr Sandra Capra
Professional Recognition
Graduates are eligible for membership of the Dietitians Association of Australia. This is the only recognised course for dietitians in Queensland.
Entry Requirements

NORMAL ENTRY
To be eligible for entry an applicant must:

(i) hold a degree, and

(ii) have studied two semesters each of systematic human physiology and metabolic biochemistry to the second level. Second level nutrition studies are highly desirable.

Graduate Standing
Where an equivalent course of study or examination cannot be readily established, an applicant, at the discretion of the Dean of Faculty, may be permitted to undertake a qualifying examination, satisfactory completion of which will entitle such person to the status of graduate or diplomate for the purpose of admission.

Note: Applicants should contact the Course Coordinator, School of Public Health, by letter when lodging the application for admission.

Special Course Requirements
Before entering the third semester of study, students shall have successfully completed all units of the first and second semesters.

Field trips as detailed in Unit Synopses have an attendance requirement and will be assessed.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
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<tbody>
<tr>
<td>PUP109 Nutrition</td>
<td>12</td>
<td>5</td>
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<tr>
<td>PUP110 Nutritional Epidemiology</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>PUP126 Clinical Dietetics 1</td>
<td>12</td>
<td>5</td>
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<tr>
<td>Select one of the following units:</td>
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<td></td>
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<tr>
<td>LSB558 Applied Physiology</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>PUP140 Communication Theory &amp; Practice for Health Professionals</td>
<td>12</td>
<td>3</td>
</tr>
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</table>

Note: The decision as to which of these options is to be pursued will be made after consultation with the Course Coordinator. Those students with insufficient physiology studies are expected to take LSB558 Applied Physiology.

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUP024 Foundations of Health Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP127 Clinical Dietetics 2</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>PUP128 Practical Dietetics</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>PUP129 Food Service &amp; Dietetic Management</td>
<td>12</td>
<td>5</td>
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</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>PUP122 Practice in Clinical Dietetics</td>
<td>24</td>
<td>11 wks</td>
</tr>
<tr>
<td>PUP123 Practice in Community Nutrition</td>
<td>12</td>
<td>4 wks</td>
</tr>
<tr>
<td>PUP132 Practice in Food Service Management</td>
<td>12</td>
<td>3 wks</td>
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</tbody>
</table>

Graduate Diploma in Occupational Health and Safety (PU65)

Location: Kelvin Grove campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Terry Farr
Entry Requirements

NORMAL ENTRY
The normal entry requirement for the course is a Bachelor degree or equivalent in an appropriate discipline from a recognised tertiary institution. There is no assumption of prior knowledge in occupational health and safety.

SPECIAL ENTRY
Special entry will be considered for a person without a degree, in view of experience and responsibility in occupational health and safety. As the course is academically demanding and high standards of performance are expected, such candidates will require either an extensive background in the discipline or other suitable tertiary qualifications and appropriate experience to be offered a place.

In some instances, preliminary bridging studies may be required.

Additional Requirements
All applications for entry will be judged on their individual merit. Course quota and the benefit of having a diverse class cohort are factors which impact on the final offer of places.

Full-time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEP201 Safety Technology &amp; Practice 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP115 Occupational Health &amp; Safety Law &amp; Management 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP415 Occupational Health</td>
<td>12</td>
<td>3</td>
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<tr>
<td>Select one from the following units</td>
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<td></td>
</tr>
<tr>
<td>HLN405 Qualitative Research</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MAN009 Experimental Design &amp; Statistical Analysis</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP010 Health in Australian Society</td>
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<th>Year 1, Semester 2</th>
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<tr>
<td>PUP116 Ergonomics</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PUP215 Occupational Health &amp; Safety Law &amp; Management 1</td>
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<td>3</td>
</tr>
<tr>
<td>PUP250 Occupational Hygiene</td>
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<tr>
<td>PUP301 Safety Technology &amp; Practice 2</td>
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<td>3</td>
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Part-Time Course Structure

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<tbody>
<tr>
<td>MEP201 Safety Technology &amp; Practice 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP115 Occupational Health &amp; Safety Law &amp; Management 1</td>
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<table>
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<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>PUP116 Ergonomics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP215 Occupational Health &amp; Safety Law &amp; Management 2</td>
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<tbody>
<tr>
<td>PUP415 Occupational Health</td>
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Select one from the following units:

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<th>Year 2, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>HLN405 Qualitative Research</td>
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<td>3</td>
</tr>
<tr>
<td>MAN009 Experimental Design &amp; Statistical Analysis</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP010 Health in Australian Society</td>
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<th>Credit Points</th>
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<tbody>
<tr>
<td>PUP250 Occupational Hygiene</td>
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</tr>
<tr>
<td>PUP301 Safety Technology &amp; Practice 2</td>
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<td>3</td>
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</tbody>
</table>

7 Elective units other than those listed can be selected in consultation with the Course Coordinator.
Graduate Diploma in Public Health (PU60)
Location: QUT (Kelvin Grove campus), University of Queensland and Griffith University
Course Duration: 1 year full-time, 2 years part-time
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Associate Professor Don Stewart

Entry Requirements
See Master of Public Health (PU60)

Course Requirements
Students complete a program totalling 96 credit points selected from the Master of Public Health (PU85) program.

Course Structure
Semesters 1 and 2 (Full-time) or Semester 1 to 4 (Part-time) of Master of Public Health (PU85).

Bachelor of Applied Science (Honours) (HL52)
Bachelor of Business (Honours) (HL58)
Bachelor of Nursing (Honours) (HL50)
Location: Kelvin Grove campus
Course Duration: 1 year full-time, 2 years part-time
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr Elizabeth Parker

Entry Requirements
NORMAL ENTRY
To be eligible for entry, students should have completed the University’s Bachelor of Applied Science (HM42, PU42, PU44, PU45, PU49), Bachelor of Business (Health Administration) (PU48) or Bachelor of Nursing (NS40, NS48) or equivalent.

Students should have attained a grade point average (GPA) of at least 5.0 over the pass degree.

Application should be made at the end of the final year of the pass degree or within 18 months of completing that degree.

SPECIAL ENTRY
Applicants who do not satisfy the normal entry requirements but who have demonstrated outstanding performance in only the final year of a degree, or whose application is based on other factors including work experience or involvement in research, may be admitted at the discretion of the Dean.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLP101</td>
<td>Advanced Discipline Readings</td>
<td>12</td>
</tr>
<tr>
<td>HLP103/1</td>
<td>Dissertation</td>
<td>12</td>
</tr>
</tbody>
</table>
Select one of the following units:
MAN009 Experimental Design & Statistical Analysis  12  4
HLN405 Qualitative Research  12  3
Elective Unit  12

Year 1, Semester 2
HLP102 Research Seminars  12
HLP103/2/3 Dissertation  36

Part-Time Course Structure

Year 1, Semester 1
Select one of the following units:
MAN009 Experimental Design & Statistical Analysis  12  4
HLN405 Qualitative Research  12  3
Elective Unit  12

Year 1, Semester 2
HLP101 Advanced Discipline Readings  12
HLP103/1 Dissertation  12

Year 2, Semester 1
HLP103/2/3 Dissertation  24

Year 2, Semester 2
HLP102 Research Seminars  12
HLP103/4 Dissertation  12

Note: Bachelor of Nursing (Honours) (HL50) students are required to complete MAN009 and HLN405.

Elective Units
Students undertake a 12 credit point elective. This may be selected from any Honours or postgraduate program offered by the University, subject to prerequisite requirements and with the approval of the student’s mentor/supervisor and the Course Coordinator. Normally the elective unit is chosen from within the student’s discipline area or from an area which complements or is germane to the student’s study program. Students may also select one of MAN009 Experimental Design and Statistical Analysis for Research or HLN405 Qualitative Research as an elective.

Dissertation
The Dissertation is one unit valued at 48 credit points. It is commenced during semester 1 (full-time mode) or semester 2 (part-time mode) and completed over the course of the program. Preparation and presentation of the Dissertation are completed under the guidance of a supervisor.

Bachelor of Applied Science (Environmental Health) (PU42)
Location: Kelvin Grove campus
Course Duration: 3 years full-time
Total Credit Points: 288
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr Bruce Fleming
Professional Recognition
Graduates are eligible for membership of the Australian Institute of Environmental Health and the Environmental Institute of Australia. This course is the only one available in
Queensland from which graduates will be accredited to work as an environmental health officer within the state.

Course Requirements
A registered student may enrol only in a full-time program. Arrangements to complete the course through a ‘sandwich’ program can be discussed with the Course Coordinator. This method of attendance is relevant to students living outside the Brisbane region and those who are employed as trainee Environmental Health Officers. Trainee Environmental Health Officers are permitted a maximum of six years to complete the course.

Field trips as detailed in the unit synopses have an attendance requirement and will be assessed.

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHB142 Chemistry I</td>
<td>12</td>
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<tr>
<td>LSB122 Biology I</td>
<td>12</td>
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<tr>
<td>PHB150 Physics IH</td>
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<tr>
<td>PUB207 Introduction to Environmental Health</td>
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<td><strong>Year 1, Semester 2</strong></td>
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<tr>
<td>CHB242 Chemistry 2</td>
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<tr>
<td>MAB152 Quantitative Methods</td>
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<tr>
<td>PHB263 Physics 2E</td>
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<tr>
<td>PUB300 Pollution Science 1</td>
<td>8</td>
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<tr>
<td>SSB914 Psychology</td>
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<tr>
<td><strong>Year 2, Semester 1</strong></td>
<td></td>
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<tr>
<td>CNB171 Construction 1</td>
<td>12</td>
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<tr>
<td>ISB382 Microcomputer Applications</td>
<td>8</td>
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<tr>
<td>LSB142 Human Anatomy &amp; Physiology</td>
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<tr>
<td>LSB301 Microbiology 1</td>
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<td>PUB301 Environmental Protection 2</td>
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<td>CNB172 Construction 2</td>
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<td>LSB431 Microbiology 2</td>
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<td>PUB478 Food Science &amp; Technology</td>
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<td>PUB481 Pollution Science 2</td>
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<td>CNB013 Building Services 1 – HVAC</td>
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<td>PSB904 Surveying &amp; Measuring</td>
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<td>PUB210 Occupational Health &amp; Safety 1</td>
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<tr>
<td>PUB513 Epidemiology &amp; Diseases</td>
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<td>PUB518 Food Hygiene Studies</td>
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<td>PUB520 Environmental Health Management 1</td>
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<td><strong>Year 3, Semester 2</strong></td>
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<tr>
<td>PUB211 Occupational Health &amp; Safety 2</td>
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<tr>
<td>PUB612 Health Promotion &amp; Education</td>
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<tr>
<td>PUB620 Environmental Health Management 2</td>
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<td>PUB621 Environmental Health Practice</td>
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<tr>
<td>PUB622 Environmental Health Project</td>
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■ Bachelor of Applied Science (Home Economics) (PU49)

Location: Kelvin Grove campus
Course Duration: 3 years full-time
Total Credit Points: 288
Course Coordinator: Mr Claus Jehne

Note: Students who commenced this course prior to 1996 should contact the Course Coordinator for details of their enrolment program.

### Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
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<th>Credit Points</th>
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<tbody>
<tr>
<td>CHB149 Principles of Chemistry</td>
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<td>12</td>
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<tr>
<td>COB160 Professional Communication (Business)</td>
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<td>PUB276 Home Economics 1</td>
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<tr>
<td>SSB961 Australian Society: Introduction to Sociology</td>
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<tbody>
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<td>CHB259 Organic Chemistry</td>
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<td>LSB405 Microbiology</td>
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<tr>
<td>PUB272 Home Economics 2</td>
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<td>SSB912 Psychology</td>
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<tr>
<td>LSB142 Human Anatomy &amp; Physiology</td>
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<tr>
<td>LSB305 Biochemistry</td>
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<tr>
<td>PUB472 Textile Science &amp; Technology</td>
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<tr>
<td>PUB572 Apparel Design 1</td>
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<td>PUB372 Shelter Studies 1</td>
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<td>PUB405 Human Nutrition</td>
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<td>PUB474 Food Studies</td>
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<tbody>
<tr>
<td>PUB574 Home Economics 3</td>
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<td>PUB575 Home Economics Practicum</td>
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<table>
<thead>
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<th>Year 3, Semester 2</th>
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<tbody>
<tr>
<td>PUB374 Family Studies</td>
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<td>12</td>
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<td>PUB675 Home Economics 4</td>
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</table>

### Elective Units

(Subject to availability and demand)

<table>
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<tr>
<th>Elective Units</th>
<th></th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>PUB331 Shelter Studies 2</td>
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<td>12</td>
<td>4</td>
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<tr>
<td>PUB355 Food Service Principles &amp; Practice</td>
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<tr>
<td>PUB441 Nutrition Education</td>
<td></td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUB540 The Home Economist as Counsellor</td>
<td></td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUB552 Nutrition Issues in Australia</td>
<td></td>
<td>12</td>
<td>4</td>
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<tr>
<td>PUB556 Food Presentation &amp; Promotion</td>
<td></td>
<td>12</td>
<td>6</td>
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<tr>
<td>PUB582 Apparel Design 2</td>
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<tr>
<td>PUB590 Product Development &amp; Marketing</td>
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<tr>
<td>PUB592 Home Economics Independent Study 1</td>
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<tr>
<td>PUB594 Home Economics Independent Study 2</td>
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</table>

Plus approved units from other degree courses.

### Bachelor of Applied Science (Human Movement Studies) (HM42)

Location: Kelvin Grove campus

Course Duration: 4 years full-time
Total Credit Points: 384

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Andrew Hills

Special Course Requirements

Students must complete units totalling at least 384 credit points including the foundation units (60 credit points), a major and minor study (168 credit points), elective units (60 credit points) and fourth-year studies (96 credit points).

A major (120 credit points) must be completed in the discipline area of Exercise and Sport Science. This includes compulsory second-level units (72 credit points) plus one compulsory third-level unit (HMB382) and three third-level units (36 credit points).

Subject to appropriate prerequisite units being completed a minor may be undertaken in any approved discipline within QUT. Completion of a minor consists of passing units totalling at least 48 credit points from second and third levels (including at least 24 credit points at third level). Major and minor studies may be undertaken in the same or closely related discipline areas. Students may choose to complete minor study and elective units from School of Human Movement Studies offerings.

The degree may be awarded with Honours, First Class Honours, Second Class Honours Division A and Second Class Honours Division B. Candidates for the degree with Honours must fulfil the requirements for the pass degree and achieve such a standard of proficiency in all the units of the course as may from time to time be determined by the Health Academic Board and approved by the University Academic Committee.

All commencing and continuing students are required to attend scheduled academic advisory sessions to plan their progression through the course, and to obtain approval of an academic advisor prior to effecting any change of enrolment.

Note: Students who have successfully completed 288 credit points and have met the general requirements for a three-year degree may graduate with a Bachelor of Applied Science.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>LSB131 Anatomy</td>
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<td>6</td>
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<tr>
<td>HMB171 Fitness, Health &amp; Wellness</td>
<td>12</td>
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<tr>
<td>HMB313 Socio-Cultural Foundations of Physical Activity</td>
<td>12</td>
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<tr>
<td>SSB912 Psychology</td>
<td>12</td>
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</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>LSB231 Physiology</td>
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<td>6</td>
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<tr>
<td>HMB172 Physical Activity, Nutrition &amp; Weight Control</td>
<td>12</td>
<td>4</td>
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<tr>
<td>HMB272 Biomechanics</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>PUB233 Information, Education &amp; Communication for Health</td>
<td>12</td>
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<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>HMB271 Motor Control &amp; Learning</td>
<td>12</td>
<td>4</td>
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<tr>
<td>HMB274 Functional Anatomy</td>
<td>12</td>
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<tr>
<td>HMB275 Exercise &amp; Sport Psychology</td>
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<td>Elective Unit</td>
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<tbody>
<tr>
<td>HMB273 Exercise Physiology</td>
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<tr>
<td>HMB276 Research in Human Movement</td>
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<tr>
<td>Major Study 1</td>
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<tr>
<td>Minor Study 1</td>
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Year 3, Semester 1
HMB382 Exercise Prescription 12 4
Major Study 2 12
Minor Study 2 12
Elective Unit 12

Year 3, Semester 2
Major Study 3 12
Minor Study 3 12
Major Study 4 12
Minor Study 4 12

Year 4, Semester 1
HMB471 Project 1 12
HMB473 Practicum 1 12
Advanced Elective Unit 12
Advanced Elective Unit 12

Year 4, Semester 2
HMB472 Project 2 12
HMB474 Practicum 2 24
Advanced Elective Unit 12

Third Level Units
HMB361 Functional Anatomy 2 12 4
HMB362 Biomechanics 2 12 4
HMB363 Independent Study 12 4
HMB364 Seminars in Human Movement 12 4
HMB371 Motor Control & Learning 2 12 4
HMB372 Biophysical Bases of Movement Rehabilitation 12 4
HMB374 Psychology of Rehabilitation 12 4
HMB375 Adapted Physical Activity 12 4
HMB376 Motor Development in Children 12 4
HMB377 Children in Sport 12 4
HMB381 Exercise Physiology 2 (compulsory) 12 4
HMB383 Workplace Health 12 4
HMB384 Injury Prevention & Rehabilitation 12 4

Bachelor of Applied Science (Occupational Health and Safety) (PU44)

Location: Kelvin Grove campus
Course Duration: 3 years full-time
Total Credit Points: 288
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr Terry Farr

Full-Time Course Structure

Year 1, Semester 1
CHB142 Chemistry 1 12 6
LSB142 Anatomy & Physiology 12 5
PHB150 Physics 1H 12 6
PUB212 Occupational Health & Safety 1 12 3

Year 1, Semester 2
CHB242 Chemistry 2 12 6
MAB152 Quantitative Methods 8 3
PHB263 Physics 2E 12 6
PUB211 Occupational Health & Safety 2 8 4
SSB914 Psychology 8 3
### Year 2, Semester 1
- **ISB382** Microcomputer Applications: 8 3
- **HRB131** Personnel Management & Industrial Relations: 12 3
- **LSB301** Microbiology 1: 8 3
- **MEB035** Safety Technology 1: 8 3
- **PUB482** Occupational Health: 12 5

### Year 2, Semester 2
- **CHB411** Environmental Analytical Chemistry: 8 4
- **LSB431** Microbiology 2: 8 3
- **PHB404** Safety Technology 2: 12 6
- **PUB483** Ergonomics 1: 8 3
- **PUB485** Occupational Hygiene 1: 12 4

### Year 3, Semester 1
- **PUB512** Ergonomics 2: 12 4
- **PUB513** Epidemiology & Diseases: 12 4
- **PUB516** Occupational Health & Safety Practice 1: 12 3
- **PUB585** Occupational Hygiene 2: 12 4

### Year 3, Semester 2
- **PUB611** Hazard Assessment & Management: 12 4
- **PUB612** Health Promotion & Education: 8 3
- **PUB613** Occupational Health & Safety Practice 2: 8 2
- **PUB614** Industry Specialisation: 8 4
- **PUB617** Occupational Health & Safety Project: 12 3 fortnight

#### Cooperative Education Program
A registered student who has completed the first and second years of the standard full-time course, normally with a GPA of not less than 4.5 overall, may, at the discretion of the Course Coordinator, undertake the Cooperative Education option. This involves 10-12 months of paid full-time employment in an approved industrial/commercial setting during which time the student is enrolled in PUB695 Industrial Training Experience. On completion of the approved cooperative education placement the student resumes formal third year studies but is not required to complete the units PUB516 Occupational Health & Safety Practice 1 and PUB613 Occupational Health & Safety 2. Approval of enrolment in the cooperative education program is dependent on the availability of places and on individual student performance in the first two years of the course.

### Bachelor of Applied Science (Optometry) (OP42)
**Location:** Kelvin Grove campus

**Course Duration:** 4 years full-time

**Total Credit Points:** 384

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Associate Professor Peter Swann

#### Professional Recognition
In each state and territory of Australia, the practice of optometry is regulated by Boards of Optometrical Registration which are statutory bodies set up under states’ legislation. Under these Acts, the practice of optometry is restricted to persons whose names appear on the Register. On completion of the degree course at QUT, the graduate will have satisfied the requirements of the Optometrists’ Board of Queensland, and may apply for registration to practise as an optometrist in Queensland and all states and territories of Australia.
### Special Course Requirements

The degree may be awarded with Honours, First Class Honours, Second Class Honours Division A and Second Class Honours Division B. Candidates for the degree with Honours must fulfil the requirements for the pass degree and achieve such standard of proficiency in all the units of the course as may from time to time be determined by the Health Academic Board and approved by Academic Committee.

Items of ophthalmic equipment are required by students for clinical use from the beginning of the third and fourth years of the course. Academic staff provide advice regarding the purchase of these instruments. Estimated costs are $3000.

### Full-Time Course Structure

<table>
<thead>
<tr>
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<th>Course Code</th>
<th>Course Name</th>
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<td>Chemistry 1</td>
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<td></td>
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<td>OPB505</td>
<td>Clinical Optometry 5</td>
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<td>OPB509</td>
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<td>18</td>
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<td>Year 3, Semester 2</td>
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<td>OPB608</td>
<td>Ocular Pharmacology</td>
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<td>OPB609</td>
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<td>OPB617</td>
<td>Contact Lens Studies 6</td>
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<td>OPB627</td>
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<td>SSB911</td>
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<td>Year 4, Semester 1</td>
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<td>OPB709</td>
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<td>OPB717</td>
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<td>OPB750</td>
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Year 4, Semester 2

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPB750/2</td>
<td>Project</td>
<td>6</td>
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<tr>
<td>OPB803</td>
<td>Occupational/Public Health Optometry</td>
<td>6</td>
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<td>OPB805</td>
<td>Clinical Optometry 8</td>
<td>32</td>
<td>17</td>
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<tr>
<td>OPB807</td>
<td>Practice Management</td>
<td>4</td>
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</table>

- **Bachelor of Applied Science (Podiatry) (PU45)**

  **Location:** Kelvin Grove campus

  **Course Duration:** 3 years full-time

  **Total Credit Points:** 288

  **Standard Credit Points/Full-Time Semester:** 48

  **Course Coordinator:** Mr Alan Crawford

- **Professional Recognition**

  Graduates are eligible for State Registration throughout Australia. This qualification is also acceptable for registration in the United Kingdom, New Zealand and the EEC countries.

  Graduates also become Members of the Australian Podiatry Association and are eligible to apply for membership of the Australian Sports Medicine Federation.

- **Special Course Requirement**

  Students are required to undertake 180 hours of clinical practice between semesters in the second and third years of the course.

- **Course Structure**

  **Year 1, Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>CHB142</td>
<td>Chemistry I</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>ISB382</td>
<td>Microcomputer Applications</td>
<td>8</td>
<td>3</td>
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<tr>
<td>LSB151</td>
<td>Human Anatomy I</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MEB031</td>
<td>Material Technology</td>
<td>8</td>
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<tr>
<td>PHB150</td>
<td>Physics 1H</td>
<td>12</td>
<td>6</td>
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</table>

  **Year 1, Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CHB289</td>
<td>Organic &amp; Physical Chemistry</td>
<td>8</td>
<td>4</td>
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<tr>
<td>LSB261</td>
<td>Systematic Anatomy</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>LSB331</td>
<td>Advanced Anatomy</td>
<td>8</td>
<td>6</td>
</tr>
<tr>
<td>MAB152</td>
<td>Quantitative Methods</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PHB252</td>
<td>Kinesiology &amp; Biomechanics</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>PHB262</td>
<td>Physics 2L</td>
<td>8</td>
<td>4</td>
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</table>

  **Year 2, Semester 1**

<table>
<thead>
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<th>Course Title</th>
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<tbody>
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<td>LSB371</td>
<td>Biochemistry 4</td>
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<td>4</td>
</tr>
<tr>
<td>LSB401</td>
<td>Microbiology</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>LSB451</td>
<td>Human Physiology</td>
<td>12</td>
<td>7</td>
</tr>
<tr>
<td>PUB302</td>
<td>Podiatric Medicine 1</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>PUB303</td>
<td>Clinical Science 1</td>
<td>12</td>
<td>6</td>
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</table>

  **Year 2, Semester 2**

<table>
<thead>
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<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>LSB470</td>
<td>Disease Processes 4</td>
<td>8</td>
<td>4</td>
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<tr>
<td>PUB306</td>
<td>Pharmacology</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PUB404</td>
<td>Clinical Science 2</td>
<td>12</td>
<td>9</td>
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<tr>
<td>PUB421</td>
<td>Podiatric Medicine 2</td>
<td>12</td>
<td>6</td>
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<tr>
<td>SSB890</td>
<td>Psychology</td>
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  **Year 3, Semester 1**

<table>
<thead>
<tr>
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<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>PHB313</td>
<td>Radiographic Image Interpretation</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PUB304</td>
<td>Physical Medicine</td>
<td>8</td>
<td>3</td>
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</tbody>
</table>
• Bachelor of Business (PU48)

With majors in: Health Administration and Health Information Management.

Location: Kelvin Grove campus

Course Duration: 3 years full-time (Health Information Management major), 3 years full-time or 6 years part-time (Health Administration major)

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Ms Josie Di Donato

Professional Recognition

Students who complete the Health Administration major are eligible for membership of the Australian College of Health Service Executives.

Students who complete the Health Information Management Major are eligible for membership of the Health Information Management Association of Australia (HIMAA).

Course Requirements

Note: Students who commenced the Bachelor of Business (Health Administration) prior to 1994 should contact the Course Coordinator for details of their enrolment program in 1996.

HEALTH ADMINISTRATION MAJOR (HAD)

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>BSB112 Business Technology &amp; Information</td>
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<tr>
<td>MGB211 Organisational Behaviour</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PUB130 Australian Health Industry</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUB513 Epidemiology &amp; Diseases</td>
<td>12</td>
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<td>MGB207 Management Human Resources</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PUB233 Information, Education &amp; Communication for Health</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PUB251 Introduction to Public Health</td>
<td>12</td>
<td>3</td>
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<table>
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<th>Credit Points</th>
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<td>AYB002 Principles of Accounting</td>
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<tr>
<td>EFB104 Microeconomics</td>
<td>12</td>
<td>3</td>
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<tr>
<td>BSB115 Management, People &amp; Organisations</td>
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<td>3</td>
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<tr>
<td>LWS001 Medicine &amp; the Law</td>
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### Year 2, Semester 2
- PUB531 Health Care Economics 12 3
- PUB580 Health Administration Finance 12 3
- PUB618 Health Computer Systems 12 4
- Elective

### Year 3, Semester 1
- PUB529 Health Planning & Evaluation 12 3
- PUB657 Human Resources in Health 12 3
- PUB651 Casemix Management 12 3
- PUB431 Economic Evaluation of Health Services 12 3

### Year 3, Semester 2
Select two of the following:
- PUB655 Health Policy & Planning 12 3
- PUB659 Management of Health Services 12 3
- Elective 12

Plus:
- Elective 12
- Elective 12

**Note:** PUB531 Health Care Economics may be offered in Semester 1, 1996 subject to sufficient student numbers.

### Part-Time Course Structure

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<td>PUB130 Australian Health Industry</td>
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<td>PUB233 Information, Education &amp; Communication for Health</td>
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<td>PUB251 Introduction to Public Health</td>
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<td>Year 2, Semester 2</td>
<td>MGB211 Organisational Behaviour</td>
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<tr>
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<td>PUB513 Epidemiology &amp; Diseases</td>
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<td>5</td>
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<td>Year 3, Semester 1</td>
<td>AYB120 Business Law</td>
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<td>MGB207 Management Human Resources</td>
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<td>3</td>
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<tr>
<td>Year 3, Semester 2</td>
<td>AYB002 Principles of Accounting</td>
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<td>3</td>
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<td>EFB104 Microeconomics</td>
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<td>Year 4, Semester 1</td>
<td>PUB531 Health Care Economics</td>
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<td>Year 4, Semester 2</td>
<td>BSB115 Management, People &amp; Organisations</td>
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<td>PUB431 Economic Evaluation of Health Services</td>
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<td>3</td>
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<td>Year 5, Semester 1</td>
<td>PUB618 Health Computer Systems</td>
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<td>4</td>
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<td>Elective Unit</td>
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<td>Year 5, Semester 2</td>
<td>PUB580 Health Administration Finance</td>
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<td>Year 6, Semester 1</td>
<td>PUB651 Casemix Management</td>
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<td>PUB657 Human Resources in Health</td>
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</table>
Year 6, Semester 2
Select two of the following units:
PUB655 Health Policy & Planning 12 3
PUB659 Management of Health Services 12 3
Elective Unit 12

HEALTH INFORMATION MANAGEMENT MAJOR

Full-Time Course Structure

Year 1, Semester 1
LSB142 Anatomy & Physiology 12 5
LWS001 Medicine & the Law 12 3
PUB130 Australian Health Industry 12 3
PUB299 Health Information Management 1 12 4

Year 1, Semester 2
BSB112 Business Technology & Information 12 4
PUB220 Medical Terminology 12 3
PUB233 Information, Education & Communication for Health 12 3
PUB399 Health Information Management 2 12 4

Year 2, Semester 1
BSB115 Management, People & Organisations 12 3
LSB361 Fundamentals of Medicine 12 3
PUB356 Clinical Classification 1 12 4
PUB513 Epidemiology & Diseases 12 5

Year 2, Semester 2
MGB207 Management Human Resources 12 3
PUB456 Clinical Classification 2 12 4
PUB618 Health Computer Systems 12 4
Select one of the following units:
BSB113 Economics 12 3
EFB104 Microeconomics 12 3

Year 3, Semester 1
PUB499 Health Information Management 3 12 4
PUB529 Health Planning & Evaluation 12 3
PUB651 Casemix Management 12 3
PUB653 Professional Experience 12 6

Year 3, Semester 2
PUB580 Health Administration Finance 12 3
PUB619 Health Information Management 4 12 4
Select two of the following units:
PUB659 Management of Health Services 12 3
PUB531 Health Care Economics 12 3
Elective Unit 12

Elective Units

Elective units may be chosen from any degree course, subject to prerequisite requirements, credit points, availability of the unit and approval of the Head of School. Suggested specialist electives include:

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<tr>
<th>Semester</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>PUB431</td>
<td>Economic Evaluation of Health Services</td>
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<tr>
<td>PUB533</td>
<td>International Health Care Systems</td>
<td>1</td>
</tr>
<tr>
<td>PUB212</td>
<td>Occupational Health and Safety 1</td>
<td>1</td>
</tr>
<tr>
<td>PUB528</td>
<td>Health Administration Project</td>
<td>1 and 2</td>
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</table>

OR

Units exclusive to one major (e.g. students in the Health Administration major may choose to do PUB299 which is a core unit in the HIM major).

(Seek the advice and ratification of the Course Coordinator before formally enrolling in electives.)
Bachelor of Nursing (Postregistration) (NS48)

For information on how to complete your enrolment form, read the 1996 Enrolment Guide.

Location: Kelvin Grove campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Professor Gail Hart

Electives

Students may select electives (other than the identified nursing elective) either within or outside the School of Nursing. It will be necessary to seek approval from the appropriate School/Faculty to enrol in elective units.

Nurses with a Hospital Certificate

Full-Time Course Structure

<table>
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<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>NSB321 Professional Practice Development</td>
<td>12</td>
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<td>NSB224 Research Approaches in Nursing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSB182 Bioscience 1</td>
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<tr>
<td>OR</td>
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<tr>
<td>SSB982 Introduction to Social Science &amp; Health Care</td>
<td>12</td>
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<td>OR</td>
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</tr>
<tr>
<td>SSB101 Introduction to Psychology &amp; Health Care</td>
<td>12</td>
<td>3</td>
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<td>OR</td>
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<td>HUB009 Ethics, Law &amp; Health Care</td>
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<td>Elective (from List A)</td>
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Year 1, Semester 2

<table>
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<tbody>
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<td>OR</td>
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</tr>
<tr>
<td>NSB113 Values, Culture &amp; Nursing</td>
<td>12</td>
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<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>NSB223 Mental Health Nursing</td>
<td>12</td>
</tr>
<tr>
<td>Electives</td>
<td>36</td>
</tr>
</tbody>
</table>

Part-Time Course Structure

Year 1, Semester 1

| NSB224 Research Approaches in Nursing | 12 | 3 |
| LSB182 Bioscience 1 | 12 | 5 |
| OR | | |
| SSB982 Introduction to Social Science & Health Care | 12 | 3 |
| OR | | |
| SSB101 Introduction to Psychology & Health Care | 12 | 3 |
| OR | | |
| HUB009 Ethics, Law & Health Care | 12 | 3 |

Year 1, Semester 2

| NSB113 Values, Culture & Nursing | 12 | 3 |
| NSB223 Mental Health Nursing | 12 | 3 |
| OR | | |
| LSB282 Bioscience 2 | 12 | 5 |
| Elective | 12 |

8 Or any other approved unit

9 NSB413 Advanced Research Approaches in Nursing should be taken as an elective if students wish to proceed to an Honours degree.
Year 2, Semester 1
NSB321  Professional Practice Development  12  3
NSB224  Research Approaches in Nursing  12  3

Year 2, Semester 2
Electives10  24

Advanced Standing Only (Diplomates)
Full-Time Course Structure
Semester 1
NSB321  Professional Practice Development  12  3
NSB224  Research Approaches in Nursing  12  3
Elective (from List A)  12  3
Elective  12  3

Part-Time Course Structure
Semester 1
NSB321  Professional Practice Development  12  3
Elective (from List A)  12  3

Semester 2
NSB224  Research Approaches in Nursing  12  3
Elective  12  3

List A
PUB329  Foundations of Health Studies & Health Behaviour
PUB336  Women’s Health
PUB251  Introduction to Public Health
PUB109  Introduction to Environmental Health
PUB233  Information, Education and Communication for Health

Please note that information about this course is subject to change.

Bachelor of Nursing (Preregistration) (NS40)

For information on how to complete your enrolment form, read the 1996 Enrolment Guide.

In-house enrolment sessions will be available to assist continuing students with their 1996 enrolment.

Location: Kelvin Grove campus

Course Duration: 3 years full-time, 6 years part-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Robyn Nash

Special Course Requirements: The Clinical Practice units require students to undertake block practicums of one or more weeks’ duration during semester.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSB116  Nursing 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSB182  Bioscience 1</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>SSB101  Introduction to Psychology &amp; Health Care</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB982  Introduction to Social Science &amp; Health Care</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>

NSB413 Advanced Research Approaches in Nursing should be taken as an elective if students wish to proceed to an Honours degree.
<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
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</tr>
</thead>
<tbody>
<tr>
<td>NSB121</td>
<td>Nursing 1</td>
</tr>
<tr>
<td>NSB122</td>
<td>Clinical Practice 1</td>
</tr>
<tr>
<td>LSB282</td>
<td>Bioscience 2</td>
</tr>
<tr>
<td>NSB113</td>
<td>Values, Culture &amp; Nursing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LSB191</td>
<td>Clinical Physiology &amp; Pharmacology</td>
</tr>
<tr>
<td>NSB212</td>
<td>Clinical Practice 2</td>
</tr>
<tr>
<td>NSB113</td>
<td>Values, Culture &amp; Nursing</td>
</tr>
<tr>
<td>NSB213</td>
<td>Nursing 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
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</tr>
</thead>
<tbody>
<tr>
<td>NSB221</td>
<td>Nursing 4</td>
</tr>
<tr>
<td>NSB222</td>
<td>Clinical Practice 3</td>
</tr>
<tr>
<td>NSB223</td>
<td>Mental Health Nursing</td>
</tr>
<tr>
<td>NSB224</td>
<td>Research Approaches in Nursing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3, Semester 1</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NSB301</td>
<td>Nursing &amp; Biophysical Health 1</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>NSB302</td>
<td>Nursing &amp; Mental Health 1</td>
</tr>
<tr>
<td>NSB401</td>
<td>Nursing &amp; Biophysical Health 2</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>NSB402</td>
<td>Nursing &amp; Mental Health 2</td>
</tr>
<tr>
<td>LSB191</td>
<td>Clinical Physiology &amp; Pharmacology</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>NSB308</td>
<td>Nursing &amp; Mental Disorder</td>
</tr>
<tr>
<td>NSB224</td>
<td>Research Approaches in Nursing</td>
</tr>
<tr>
<td>NSB560</td>
<td>Clinical Practice 5A (BH)</td>
</tr>
<tr>
<td>OR</td>
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</tr>
<tr>
<td>NSB570</td>
<td>Clinical Practice 5A (MH)</td>
</tr>
<tr>
<td>NSB561</td>
<td>Clinical Practice 5B (BH)</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>NSB571</td>
<td>Clinical Practice 5B (MH)</td>
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</table>

<table>
<thead>
<tr>
<th>Year 3, Semester 2</th>
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</tr>
</thead>
<tbody>
<tr>
<td>NSB321</td>
<td>Professional Practice Development</td>
</tr>
<tr>
<td>NSB323</td>
<td>Clinical Practice 5</td>
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<tr>
<td>HUB004</td>
<td>Philosophy &amp; Nursing 2</td>
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<tr>
<td>NSB406</td>
<td>Nursing &amp; the Family</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>NSB407</td>
<td>Nursing &amp; the Community</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART-TIME PROGRAM</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Year 1, Semester 1</td>
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</tr>
<tr>
<td>LSB182</td>
<td>Bioscience 1</td>
</tr>
<tr>
<td>SSB982</td>
<td>Introduction to Social Science &amp; Health Care</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LSB282</td>
<td>Bioscience 2</td>
</tr>
<tr>
<td>NSB113</td>
<td>Values, Culture &amp; Nursing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 3</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NSB116</td>
<td>Nursing 1</td>
</tr>
<tr>
<td>NSB113</td>
<td>Values, Culture &amp; Nursing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 4</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NSB121</td>
<td>Nursing 2</td>
</tr>
<tr>
<td>NSB122</td>
<td>Clinical Practice 1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LSB191</td>
<td>Clinical Physiology &amp; Pharmacology</td>
</tr>
<tr>
<td>NSB113</td>
<td>Values, Culture &amp; Nursing</td>
</tr>
</tbody>
</table>

11 This unit contains off-campus clinical experience.
Year 2, Semester 2
NSB223 Mental Health Nursing 12 3
NSB224 Research Approaches in Nursing 12 3

Year 2, Semester 3
NSB212 Clinical Practice 212 12 3
NSB213 Nursing 3 12 3

Year 2, Semester 4
NSB221 Nursing 4 12 3
NSB222 Clinical Practice 313 12

Year 3
Year 3 is undertaken in the full-time mode. The area of either Biophysical or Mental Health not covered previously must be completed in Year 3.

Advanced Standing
(For students who have successfully completed an undergraduate degree which includes the specified prerequisite units.)

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
</table>

Year 1, Semester 1
HUB009 Ethics, Law & Health Care 12 3
LSB191 Clinical Physiology & Pharmacology 8 3
NSB213 Nursing 3 12 3
NSB417 Introduction to Nursing 12 3

Year 1, Semester 2
NSB221 Nursing 4 12 3
NSB223 Mental Health Nursing 12 3
NSB122 Clinical Practice 112 12
NSB212 Clinical Practice 212,13 12

Please note that information about this course is subject to change.

The course structure included in this Handbook reflects 1996 enrolment programs for commencing students and students who commenced the course prior to 1996.

12 This unit contains off-campus clinical experience.

13 The clinical practicum to be undertaken in association with this unit will normally occur in the following semester.
FACULTY OF
INFORMATION TECHNOLOGY
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FACULTY OF
INFORMATION TECHNOLOGY

Information for all Information Technology students

Rules and regulations

Students undertaking courses in the Faculty of Information Technology should acquaint themselves with Faculty policy on assessment, deferred examinations, and plagiarism. In many cases, Faculty policy is more explicit than University policy. Commencing students should make sure they obtain a copy of the Faculty's Student Information Booklet, which is distributed during Orientation.

Note that from first semester 1995 a minimum grade of 4 is normally required to fulfil the prerequisite requirement for all units in courses offered by the Faculty of Information Technology.

Faculty policy regarding use of University computer facilities

Access to computer accounts, E-mail, and bulletin board facilities via QUT equipment is provided solely to assist students in education and research. Use of such facilities by students for matters unrelated to their course of study or approved research represents misuse. Any misuse may result in fines, suspension of use of computer accounts, and/or strict disciplinary action. Students will be required to sign a code of conduct on the use of these facilities.

- Master of Applied Science (Research) (IT84)

  Location: Gardens Point campus
  Course Duration: 2 years full-time, 4 years part-time
  Total Credit Points Required: 192
  Standard Credit Points/Full-time Semester: 48
  Course Coordinator: Associate Professor George Mohay

  Note: The Master of Applied Science (Research) course will be discontinued as from the end of 1995. It will be replaced with the Master of Information Technology (Research) (IT60). Students currently enrolled in IT84 will be able to complete the award Master of Applied Science (Research).

  Students should enrol in the relevant Masters research unit in each semester. At the end of each semester a result in this unit will be recorded as “T” – Assessment Continues. A final grade (Satisfactory/Unsatisfactory) will be given once the thesis has been examined according to the degree rules.

  Full-time Course Structure

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFN100</td>
<td>Full-time Masters Research</td>
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</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFN100</td>
<td>Full-time Masters Research</td>
</tr>
</tbody>
</table>
For full-time students who have exceeded the normal course duration and for whom an
extension of time has been approved, IFN101 – Full-time Masters Research (extension) is
substituted for IFN100 in subsequent semesters.

### Part-time Course Structure

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>2, Semester 1</td>
<td>IFN200 Part-time Masters Research</td>
<td>24</td>
</tr>
<tr>
<td>2, Semester 2</td>
<td>IFN200 Part-time Masters Research</td>
<td>24</td>
</tr>
<tr>
<td>3, Semester 1</td>
<td>IFN200 Part-time Masters Research</td>
<td>24</td>
</tr>
<tr>
<td>3, Semester 2</td>
<td>IFN200 Part-time Masters Research</td>
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</tr>
<tr>
<td>4, Semester 1</td>
<td>IFN200 Part-time Masters Research</td>
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</tr>
<tr>
<td>4, Semester 2</td>
<td>IFN200 Part-time Masters Research</td>
<td>24</td>
</tr>
</tbody>
</table>

For part-time students who have exceeded the normal course duration and for whom an
extension of time has been approved, IFN201 – Part-time Masters Research (extension) is
substituted for IFN200 in subsequent semesters.

### Master of Information Technology (Research) (IT60)

#### Location:
Gardens Point campus

#### Course Duration:
1.5 years full-time, 3 years part-time

The option to enrol in Summer School is available to students who wish to complete the
course in one calendar year.

#### Total Credit Points Required:
144

#### Standard Credit Points/Full-time Semester:
48

#### Course Coordinator:
Associate Professor George Mohay

#### COURSE OUTLINE

**Full-time Course Structure**

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, Semester 1</td>
<td>Coursework Units (Selected in consultation with supervisor)</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>ITN160 Research Plan</td>
<td>12</td>
</tr>
<tr>
<td>1, Semester 2</td>
<td>IFN100 Full-time Masters Research</td>
<td>48</td>
</tr>
<tr>
<td>1, Summer School or Year 2, Semester 1</td>
<td>IFN100 Full-time Masters Research</td>
<td>48</td>
</tr>
</tbody>
</table>

For full-time students who have exceeded the normal course duration and for whom an
extension of time has been approved, IFN101 – Full-time Masters Research (extension) is
substituted for IFN100 in subsequent semesters.

**Part-time Course Structure**

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, Semester 1</td>
<td>Coursework Units (Selected in consultation with supervisor)</td>
<td>24</td>
</tr>
<tr>
<td>1, Semester 2</td>
<td>Coursework Unit (Selected in consultation with supervisor)</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>ITN160 Research Plan</td>
<td>12</td>
</tr>
</tbody>
</table>
Year 2, Semester 1
IFN200 Part-time Masters Research 24

Year 2, Semester 1
IFN200 Part-time Masters Research 24

Year 3, Semester 1
IFN200 Part-time Masters Research 24

Year 3, Semester 2
IFN200 Part-time Masters Research 24

For part-time students who have exceeded the normal course duration and for whom an extension of time has been approved, IFN201 – Part-time Masters Research (extension) is substituted for IFN200 in subsequent semesters.

COURSE RULES: MASTER OF INFORMATION TECHNOLOGY (RESEARCH)

Introduction
The objectives of the course are:

☐ To provide postgraduate educational opportunities in specialised fields of information technology by means of a program which involves either an original contribution to knowledge or an original application of existing knowledge.

☐ To provide postgraduate students with education in research processes in information technology.

☐ To enable graduates employed in industry to undertake further education by research and thesis.

☐ To enable students employed in industrial organisations and external agencies to undertake research projects related to their professional development.

☐ To further the relationships that exist between the University and industry or other external agencies engaged in information technology to their mutual advantage.

1. General Conditions
1.1 The Council of the Queensland University of Technology was established in 1989 under the Queensland University of Technology Act 1988.

1.2 The Council's power to approve recommendations from faculty academic boards regarding the registration, supervision and examination of research degree candidates and to develop policy and procedure relating to research degrees is exercised through a Research Management Committee which shall be a subcommittee of the University Academic Board.

1.3 The Research Management Committee has delegated responsibility for day-to-day administration of this course to the Faculty of Information Technology academic board. The academic board shall report biannually to the Research Management Committee on progress made by research Masters degree candidates.

1.4 In order to qualify for the award of the degree of Master of Information Technology (Research), a candidate must:

☐ have completed the approved course of study under the supervision prescribed by the academic board

☐ have submitted and the academic board have accepted a thesis prepared under the supervision of the supervisor

☐ have completed any other work prescribed by the academic board, and

☐ submit to the academic board a declaration signed by the candidate that he/she has not been a candidate for another tertiary award without permission of the academic board.
2. Registration

2.1 Applications shall be accepted subject to the availability of facilities and supervision.

2.2 Applications may be lodged with the Registrar at any time.

2.3 The minimum academic qualifications for admission to a program leading to a Master of Information Technology (Research) shall be:

- possession of a bachelor degree in information technology or other approved degree from the Queensland University of Technology, or
- possession of an equivalent qualification, or
- submission of such other evidence of qualifications as will satisfy the academic board that the applicant possesses the capacity to pursue the course of study.

2.4 In considering an applicant for registration the academic board shall, in addition to assessing the applicant's suitability, assess the proposed program and its relevance to the aims and objectives of the University.

2.5 A candidate may register either as a full-time or as a part-time student. To be registered as a full-time student, a candidate must be able to commit to the course not less than three-quarters of a normal working week, averaged over each year of candidacy. Such a student may not devote more than 300 hours annually to teaching activities, including preparation and marking.

2.6 A candidate may be internal or external. An external candidate is one whose program of research and investigation is based at a place of employment or sponsoring institution. Normally, support of the sponsoring institution for the candidate's application is required for registration.

2.7 A candidate shall receive confirmed registration as a graduate student when he or she:

- has been accepted for provisional registration in the Faculty of Information Technology and has met the requirements of the Faculty's confirmation procedures, which are: (i) submission of a written progress report, detailing the results of both coursework and research work to date; (ii) presentation of a public seminar defending the proposed research plan; and (iii) interview with a review panel consisting of three members of the Faculty's academic staff; and when
- the Faculty academic board has approved confirmed registration.

2.8 Applicants holding an appropriate and current honours degree or its equivalent may apply to the Faculty academic board for confirmed enrolment on admission. Such applicants approved by the academic board shall have individual minimum and maximum completion times specified.

2.9 The academic board may cancel a candidate's registration, after consulting the relevant supervisors and having taken account of all relevant circumstances and having given the candidate opportunity to show cause why it should not do so:

- if it is of the opinion that the candidate either has effectively discontinued his/her studies or has no reasonable expectation of completing the course of study within the maximum time allowed (see Section 4), or
- if the quality and progress of research gives no reasonable expectation of successful completion of the degree, or
- if the candidate's performance in coursework undertaken is considered unsatisfactory.

2.10 A candidate whose registration has lapsed or has been cancelled and who wishes subsequently to re-enter the course to undertake a research program which is the same or...
essentially the same as the previous program may be re-admitted under such conditions as the academic board may prescribe.

3. Course of Study

3.1 A candidate for the degree of Master of Information Technology (Research) shall undertake a program of research and investigation on a topic approved by the academic board. All projects should be sponsored either by outside agencies such as industry, government authorities, or professional organisations, or by the University itself.

3.2 The program must be such as to enable the candidate to develop and demonstrate a level of technical competence significantly higher than that expected of a first degree graduate. The required competence normally would include mastery of relevant techniques, investigatory skills, critical thinking, and a high level of knowledge in the specialist area.

3.3 A candidate may be required by the academic board to undertake an appropriate course of study concurrently with the research program.

The course of study normally will include:

- a program of assessed coursework
- participation in University scholarly activities such as research seminars, teaching and publication
- regular face-to-face interaction with supervisors, and
- a program of supervised research and investigation.

3.4 Coursework at Masters level demands a capacity for critical analysis and a specialisation of research interests not normally appropriate for an undergraduate program.

In all cases, coursework will be based upon a formal syllabus setting out the educational outcomes expected from the course, a list of topics to be covered, the prescribed reading material and the method of assessment of progress through and at the end of the course.

3.5 Coursework will occupy not more than a third of the total period of registration.

3.6 An application for registration should set out systematically and fully the candidate’s intended course of study. The description should include the area of study within which the candidate’s course lies, the coursework to be undertaken, the proposed title of the thesis to be written, the aim of the proposed program of research and investigation, its background, the significance and possible application of the research program, and the research plan.

4. Period of Time for Completion of Course of Study

4.1 A full-time student shall normally be eligible for confirmation of registration after a period of at least six months has elapsed from initial registration. The corresponding period in the case of a part-time student shall be normally at least 12 months.

4.2 Students initially admitted as provisionally enrolled students shall present the thesis for examination after a minimum period of at least 18 months and within a maximum period of three years for a full-time student or a minimum period of at least three years and within a maximum period of five years for a part-time student. In special cases the academic board may approve a shorter period.

4.3 Where application is made for permission to extend the period within which the candidate may submit a thesis for examination, details of the candidate’s progress shall be presented to the academic board together with the reasons for the delay in completing the course and the expected date of completion. Where the academic board agrees to an extension, it may set a limit to the maximum period of registration in the program.
5. Supervision

5.1 For each candidate the academic board shall appoint two or more supervisors with appropriate experience provided that one shall be nominated as the Principal Supervisor and others as associate supervisors.

5.2 In the case of an internal student, the Principal Supervisor normally shall be from the academic staff of the school where the student carries out the work.

5.3 In the case of an external student, the Principal Supervisor normally shall be from the academic staff of the school supporting the work and at least one associate supervisor shall be from the sponsoring organisation.

5.4 At the end of each six-month period a student shall submit a report on the work undertaken to the Principal Supervisor and the Principal Supervisor shall submit a report to the academic board on the student's work. This report shall be seen by the candidate before submission to the academic board.

6. Place and Conditions of Work

6.1 The research program must normally be carried out under supervision in a suitable environment in Australia.

6.2 The academic board shall not admit a candidate to undertake a program of research based at the University unless it has received a statement from the head of school and/or director of centre in which the study is proposed that, in their opinion, the applicant is a fit person to undertake a research program leading to the Masters degree, that the program is supported, and that the school/department is willing to undertake the responsibility of supervising the applicant's work.

6.3 The academic board shall not admit a candidate to undertake a research program based at a sponsoring establishment unless it has received:

- a statement from the employer or director of the sponsoring institution that the applicant will be provided with facilities to undertake the research project and that he/she is willing to accept responsibility for supervising the applicant's work, and

- a statement from the head of school or director of centre in which the study is proposed that, in his or her opinion, the applicant is a fit person to undertake a research program leading to the Masters degree, that the program is supported, and that after examination of the proposed external facilities and supervision, the school/department is willing to accept the responsibility of supervising the work.

7. Thesis

7.1 In the form of presentation, availability and copyright, the thesis shall comply with the provisions of the document Requirements for Presenting Theses.

7.2 Not later than six months after confirmed registration the candidate shall submit the title of the thesis for approval by the academic board. After approval has been granted, no change shall be made except with the permission of the academic board.

7.3 The candidate shall give two months' notice of intention to submit the thesis. Such notice shall be accompanied by the appropriate fee, if any.

7.4 The thesis shall comply with the following requirements:

- A significant portion of the work described must have been carried out subsequent to initial registration for the degree.

- It must describe a program of work carried out by the candidate, and must involve either an original contribution to knowledge or an original application of existing knowledge.
It must reach a satisfactory standard of literary presentation.

It shall be the candidate’s own account of the work. Where work is carried out conjointly with other persons, the academic board shall be advised of the extent of the candidate’s contribution to the joint work.

The thesis shall not contain as its main content any work or material which the student has previously submitted for another degree or similar award.

Supporting documents, such as published papers, may be submitted with the thesis if they have a bearing on the subject of the thesis.

The thesis shall contain an abstract of not more than 300 words.

Except with the specific permission of the academic board, the thesis must be presented in the English language. Such permission must be sought at the time of application for registration, and will not be granted solely on the grounds that the candidate’s ability to satisfy the examiners will be affected adversely by the requirement to present the thesis in English.

Subject to QUT's Intellectual Property policy, the copyright of the thesis is vested in the candidate.

Where a candidate or the sponsoring establishment wishes the thesis to remain confidential for a period of time after completion of the work, application for approval must be made to the Research Management Committee when the thesis is submitted. The period normally shall not exceed two years from the date on which the examiners recommend acceptance of the thesis, during which time the thesis will be held on restricted access in the QUT Library.

8. Examination of Thesis

8.1 The academic board shall appoint at least two examiners of whom at least one shall be from outside the University.

8.2 Normally, examiners must agree to read and report upon the thesis within two months of its receipt.

8.3 A candidate may be required to make an oral defence of the thesis.

8.4 On receipt of satisfactory reports from the examiners, and when the provisions of Section 7.1 have been fulfilled, the academic board shall recommend that the candidate be awarded the degree.

8.5 If the examiners’ reports are conflicting, the academic board may, after appropriate consultation with the Principal Supervisor:

- seek advice from a further external examiner, or
- not award the degree.

8.6 If, on the basis of the examiners’ reports, the academic board does not recommend that the degree be awarded then it shall:

- permit the student to resubmit the thesis within one year for re-examination, or
- cancel the student’s registration.

Master of Information Technology (IT40)/Graduate Diploma in Information Technology (IT35)

Location: Gardens Point campus

Course Duration: 1.5 years full-time, 3 years part-time
Total Credit Points: 144

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Mike Roggenkamp

Course Structure

The course structure is determined by the student’s entry qualifications:

Non-Information Technology graduates (students with a degree in a discipline other than information technology) complete the Introductory Module before choosing units from other modules, subject to fulfilling prerequisite requirements.

Information Technology graduates (students with a Bachelor degree or Graduate Diploma in Information Technology) choose units from any module. They will not be permitted to do the Introductory Module.

On successful completion of 96 credit points in IT35:

(i) Students with a GPA of ≥ 5 will be eligible to continue to the Third Module (IT40) and on completion of an additional 48 credit points will graduate with a Masters of Information Technology.

(ii) Students with a GPA of < 5 will not be eligible to continue to the Third Module (IT40) and will graduate with the Graduate Diploma in Information Technology.

Elective Units

The offering of elective units in any semester depends upon sufficient minimum enrolments in the unit and the availability of staff. The choice of elective units is subject to the approval of the Course Coordinator. Full-time students should note that electives may be offered in the evenings only.

Subject to the approval of the Course Coordinator, students can undertake advanced undergraduate units as substitutes for the elective units listed.

NON-INFORMATION TECHNOLOGY GRADUATES

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Module</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRODUCTORY MODULE (FIRST MODULE)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 1, Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITN210 Foundations of Information Modelling</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITN410 Software Principles</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITN510 Data Networks</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one unit from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITN211 Systems Analysis &amp; Design</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITN343 Principles of Information Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITN411 Systems Architecture &amp; Operating Systems</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MAB177 Mathematics for Data Communications</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SECOND MODULE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 1, Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select four units from any of the Module Lists, subject to fulfilling prerequisite requirements.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THIRD MODULE (IT40)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 2, Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select four units from any of the Module Lists, subject to fulfilling prerequisite requirements.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
NON-INFORMATION TECHNOLOGY GRADUATES

Part-Time Course Structure

<table>
<thead>
<tr>
<th>Module</th>
<th>Year</th>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRODUCTORY MODULE (FIRST MODULE)</td>
<td>Year 1, Semester 1</td>
<td></td>
<td>ITN210</td>
<td>Foundations of Information Modelling</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>ITN410</td>
<td>Software Principles</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Year 1, Semester 2</td>
<td></td>
<td></td>
<td>ITN510</td>
<td>Data Networks</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Select one from the following:</td>
<td>ITN211</td>
<td>Systems Analysis &amp; Design</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>ITN411</td>
<td>Systems Architecture &amp; Operating Systems</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MAB177</td>
<td>Mathematics for Data Communications</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

SECOND MODULE

Year 2, Semester 1
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

Year 2, Semester 2
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

THIRD MODULE (IT40)

Year 3, Semester 1
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

Year 3, Semester 2
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

INFORMATION TECHNOLOGY GRADUATES

Full-Time Course Structure

FIRST MODULE

Year 1, Semester 1
Select four units from any of the Module Lists, subject to fulfilling prerequisite requirements.

SECOND MODULE

Year 1, Semester 2
Select four units from any of the Module Lists, subject to fulfilling prerequisite requirements.

THIRD MODULE (IT40)

Year 2, Semester 1
Select four units from any of the Module Lists, subject to fulfilling prerequisite requirements.

INFORMATION TECHNOLOGY GRADUATES

Part-Time Course Structure

FIRST MODULE

Year 1, Semester 1
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

Year 1, Semester 2
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

SECOND MODULE

Year 2, Semester 1
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

Year 2, Semester 2
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.
THIRD MODULE (IT40)

**Year 3, Semester 1**
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

**Year 3, Semester 2**
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

### MODULE LISTS

#### COMPUTING SCIENCE MODULES

**Computing Science Module 1**
- ITN420 Comparative Programming Languages
- ITN421 Software Specification
  - Elective Unit
  - Elective Unit

**Computing Science Module 2**
- ITN430 Advanced Operating Systems
- ITN431 Distributed Systems
  - Elective Unit
  - Elective Unit

**Note:** Students undertaking major studies in Software Engineering must include at least two Software Engineering units (contact the Course Coordinator for details) as electives in Computing Science Modules 1 and 2.

**Computing Science Modules 1 and 2 – Elective Units**

**First Semester**
- ITN440 Advanced Graphics
- ITN442 Compiler Construction
- ITN445 Pattern Recognition
- ITN446 Minor Project 1
- ITN447 Special Studies

**Second Semester**
- ITN441 Artificial Intelligence
- ITN443 Neurocomputing
- ITN444 Parallel Processing
- ITN446 Minor Project I (CS)
- ITN447 Special Studies
- ITN449 Minor Project 2 (CS)

#### DATA COMMUNICATIONS MODULES

**Data Communications Module 1**
- ITN520 Internetworking
- ITN521 Network Applications
  - Elective Unit
  - Elective Unit

**Data Communications Module 2**
- ITN530 Corporate Telecommunications
- ITN531 Network Security
  - Elective Unit
  - Elective Unit

**Data Communications Module 1 – Elective Units**
- ITB530 Transport Protocols
- ITB533 Comparative Network Systems
- ITB542 Network Programming
- ITB543 Data Security
- ITB548 Introduction to Cryptology
- ITB549 Error Control and Data Compression
Data Communications Module 2 – Elective Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB532</td>
<td>Laboratory 4 (Network Management)</td>
<td>1,2</td>
<td></td>
</tr>
<tr>
<td>ITN340</td>
<td>Advanced Network Technologies</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>ITB548</td>
<td>Introduction to Cryptology</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>ITN353</td>
<td>OS Security and Management</td>
<td>TBA</td>
<td>12</td>
</tr>
<tr>
<td>ITN354</td>
<td>Special Topic</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>ITN356</td>
<td>Advanced Topics in Cryptology</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>ITN326</td>
<td>Minor Project 1 (DC)</td>
<td>2</td>
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<tr>
<td>ITN328</td>
<td>Minor Project 2 (DC)</td>
<td>2</td>
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</table>

INFORMATION MANAGEMENT MODULES

Information Management Module 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>ITN211</td>
<td>Systems Analysis and Design</td>
<td>1,2</td>
<td></td>
</tr>
<tr>
<td>ITN340</td>
<td>Information Agencies</td>
<td>1</td>
<td></td>
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<tr>
<td></td>
<td>Elective Unit</td>
<td></td>
<td></td>
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<td></td>
<td>Elective Unit</td>
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Information Management Module 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credit</th>
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<tbody>
<tr>
<td>ITN341</td>
<td>Information Policy and Planning</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective Unit†</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective Unit</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Elective Unit</td>
<td></td>
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</table>

Electives

Information Management Module 1 – Elective Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>ITN100</td>
<td>Research Methodologies</td>
<td>1,2</td>
<td></td>
</tr>
<tr>
<td>ITB220</td>
<td>Database Design</td>
<td>1,2</td>
<td></td>
</tr>
<tr>
<td>ITN220</td>
<td>Major Issues in Information Systems</td>
<td>1,2</td>
<td></td>
</tr>
<tr>
<td>ITN241</td>
<td>Advanced Topics in Human–Computer Interaction</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ITN342</td>
<td>Information Science</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>ITN344</td>
<td>Information Processing Applications</td>
<td>2</td>
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</table>

Information Management Module 2 – Elective Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>ITN345</td>
<td>Information Systems Audit</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>ITN346</td>
<td>Special Topic – Information Management</td>
<td>1,2</td>
<td></td>
</tr>
<tr>
<td>ITN347</td>
<td>Information Management Project 1</td>
<td>1,2</td>
<td></td>
</tr>
<tr>
<td>ITN348</td>
<td>Information Management Project 2</td>
<td>1,2</td>
<td></td>
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</table>

The following units available in the Library and Information Studies module are available to Information Management students:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN351</td>
<td>Information Sources</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ITN352</td>
<td>Information Organisation</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ITN355</td>
<td>Information Resources &amp; Services for Business &amp; Industry</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

INFORMATION SYSTEMS MODULES

Information Systems Module 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN220</td>
<td>Major Issues in Information Systems</td>
<td>1,2</td>
<td></td>
</tr>
<tr>
<td>ITN221</td>
<td>Object-oriented Analysis and Design</td>
<td>1,2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective Unit</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective Unit</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Information Systems Module 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN230</td>
<td>Current Advances in Database Technology</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>ITN231</td>
<td>Knowledge-based Systems</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective Unit – Selected from List E</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective Unit – Selected from List E</td>
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<td></td>
</tr>
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</table>

List D: Information Systems Module 1 – Elective Units

Recommended electives are:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB220</td>
<td>Database Design</td>
<td>1,2</td>
<td></td>
</tr>
</tbody>
</table>

† Students taking Projects are required to do ITN100.
LIBRARY & INFORMATION STUDIES MODULE
This module is generally only available to students who have completed the new revised Graduate Diploma in Library & Information Studies (IT25) with a GPA of 5 or better. Students who have completed the Graduate Diploma in Library & Information Studies (IS25) prior to 1996 with a GPA of 5 or better are eligible to undertake the Masters Module, but will be required to undertake additional units.

Note: BOTH elective choices must be drawn from the SAME elective group, i.e. EITHER the Information Resources and Services Group OR the Program Management Group. Each elective group builds on and expands the focus and/or increases the depths of the knowledge gained from units studied in earlier semesters. Thus each Masters graduate will have a recognisable strength in one or other of the designated group areas.

Elective units

Group 1: Resources and Services
ITN351 Information Sources 2 1 12 3
ITN352 Information Organisation 2 1 12 3
ITN353 Records Management2 1 12 3
ITN354 Organising Multicultural Information Resources & Services 2 12 3
ITN355 Information Resources & Services for Business & Industry 2 12 3
ITN356 Resources & Services for Young People3 1 12 3
ITN357 Special Topic 1, 2 12 3

Group 2: Program Management
ITN358 Management of Information Programs 1 12 3
ITN359 Preservation Management of Resource Materials3 1 12 3
ITN354 Organising Multicultural Information Resources & Services 2 12 3
ITN355 Information Resources & Services for Business & Industry 2 12 3
ITN353 Records Management 1 12 3
ITN360 Evaluation of Information Programs 3 1 12 3
ITN357 Special Topic 1, 2 12 3

2 Not offered in 1996.
3 Offered only in odd-numbered years.
**DISTRIBUTED SYSTEMS MODULE**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN250</td>
<td>Distributed Database Systems</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>ITN431</td>
<td>Distributed Systems</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>ITN531</td>
<td>Network Security</td>
<td>2</td>
<td>12</td>
</tr>
</tbody>
</table>

Select one unit from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN242</td>
<td>Distributed Transaction Management Systems</td>
<td>TBA</td>
<td>12</td>
</tr>
<tr>
<td>ITN444</td>
<td>Parallel Programming</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>ITN553</td>
<td>OS Security and Management</td>
<td>TBA</td>
<td>12</td>
</tr>
</tbody>
</table>

**MAJOR PROJECT MODULE**

**For Full-Time Information Technology Graduates**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN140</td>
<td>Major Project</td>
<td>1,2</td>
<td>48</td>
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</tbody>
</table>

**For Part-Time Information Technology Graduates**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN150/1</td>
<td>Major Project (Part-time)</td>
<td>1,2</td>
<td>24</td>
</tr>
<tr>
<td>ITN150/2</td>
<td>Major Project (Part-time)</td>
<td>1,2</td>
<td>24</td>
</tr>
</tbody>
</table>

---

**Graduate Diploma in Library and Information Studies (IS25)**

**Location:** Gardens Point campus

**Course Duration:** 1 year full-time, 2 years part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Dr Jeanne Owen

**Note:** The IS25 course will be discontinued as from the end of 1995. It will be replaced with a substantially restructured version (IT25).

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>ITP327</td>
<td>Organisation of Knowledge</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITP313</td>
<td>Information Sources &amp; Services</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITP330</td>
<td>Field Experience</td>
<td>12</td>
<td>-</td>
</tr>
</tbody>
</table>

**Elective List**

The offering of elective units depends on sufficient minimum enrolments in the unit and the availability of staff. Elective units may be chosen from the list below. Alternatively, students may choose from any of the units offered in the Graduate Diploma in Education (Teacher-Librarianship) subject to the approval of that Course Coordinator; or units from the Information Management major in the Bachelor of Information Technology (IT20) on the advice of the Course Coordinator; or any other appropriate unit may be taken with the approval of the Course Coordinator.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN351</td>
<td>Information Sources 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITN352</td>
<td>Information Organisation 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITN353</td>
<td>Records Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITN354</td>
<td>Organising Multicultural Information Resources &amp; Services</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITN355</td>
<td>Information Resources &amp; Services for Business &amp; Industry</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITN356</td>
<td>Resources &amp; Services for Young People</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

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4. The prerequisite for the Major Project module is the completion of 96 credit points including ITN100 Research Methodologies.
Graduate Diploma in Library and Information Studies (IT25)\(^5\)

**Location:** Gardens Point campus

**Course Duration:** 1 year full-time, 2 years part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Dr Jeanne Owen

**Entry Requirements**

To be eligible for admission to the Graduate Diploma in Library and Information Studies, applicants are required to have a degree (or equivalent) from a recognised tertiary institution in a discipline other than library and information studies and to have successfully completed a degree level introductory computing unit (the equivalent of at least three hours per week for one semester).

**Professional Recognition**

Graduates are eligible to become 'Associates' (that is, professional members) of the Australian Library and Information Association.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN343 Principles of Information Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITP327 Information Organisation 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITP328 Information Sources 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>One unit selected from the following:</td>
<td></td>
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</tr>
<tr>
<td>ITN210 Foundations of Information Modelling</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITN340 Information Agencies(^6)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB330 Information Issues &amp; Values(^6)</td>
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<table>
<thead>
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<th>Year 1, Semester 2</th>
<th>Credit Points</th>
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<tr>
<td>MGN409 Introduction to Management</td>
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<td>3</td>
</tr>
<tr>
<td>ITN211 System Analysis &amp; Design</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITP329 Information Resources Provision</td>
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<tr>
<td>ITP330 Professional Practice</td>
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### Part-time Course Structure

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<tbody>
<tr>
<td>ITN343 Principles of Information Management</td>
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<tr>
<td>ITP327 Information Organisation 1</td>
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<th>Credit Points</th>
<th>Contact Hrs/wk</th>
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<tr>
<td>MGN409 Introduction to Management</td>
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<td>3</td>
</tr>
<tr>
<td>ITP329 Information Resources Provision</td>
<td>12</td>
<td>3</td>
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<table>
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<th>Credit Points</th>
<th>Contact Hrs/wk</th>
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<tbody>
<tr>
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<td>12</td>
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<tr>
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<tr>
<td>ITN210 Foundations of Information Modelling</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB330 Information Issues &amp; Values(^6)</td>
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<td>3</td>
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<th>Credit Points</th>
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<tbody>
<tr>
<td>ITN211 System Analysis &amp; Design</td>
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<td>3</td>
</tr>
<tr>
<td>ITP330 Professional Practice</td>
<td>12</td>
<td>-</td>
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</table>

\(^5\) Offered subject to final approval.

\(^6\) Option available only for students who do not intend to proceed to the Master of Information Technology program.
Bachelor of Information Technology (Honours) (IT30)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Ms Alison Anderson

Entry Requirements
To be eligible for admission, students should have completed QUT's Bachelor of Information Technology or equivalent and normally should have attained a grade point average (GPA) of at least 5.0 on a seven-point scale (or its equivalent), having completed the relevant pre-honours extended major (or equivalent).

Application for admission should be made at the end of the final year of the pass degree, or within 18 months of completing that degree.

Applicants who do not satisfy the above conditions but who have demonstrated outstanding performance in only the final year of a degree, or whose application is based on other factors, including work experience or involvement in research, may be admitted at the discretion of the Dean.

Professional Recognition
This course will be accredited by the Australian Computer Society as meeting the knowledge requirements associated with the grade of 'Member' of the Society.

Full-time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th></th>
<th>Semester 2</th>
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<tbody>
<tr>
<td>ITN100 Research Methodologies</td>
<td>12</td>
<td>ITN120 Dissertation</td>
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<tr>
<td>ITN110 Project (Honours)</td>
<td>12</td>
<td>Elective</td>
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<td>Elective</td>
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<tr>
<td>Elective</td>
<td>12</td>
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Part-time Course Structure

Year 1, Semester 1
- Elective
- Elective

Year 1, Semester 2
- ITN100 Research Methodologies
- ITN110 Project (Honours)

Year 2, Semester 1
- ITN130/1 Dissertation (Part-time)
- Elective

Year 2, Semester 2
- ITN130/2 Dissertation (Part-time)
- Elective

Elective Units

Elective units may be chosen from the following specified units in the areas of Computing Science, Data Communications, Information Management, Information Systems, or

7 Unit extends over two semesters.
Software Engineering, each of which is subject to undergraduate prerequisite requirements. With the agreement of the Course Coordinator, students may also choose as electives Masters-level units offered by any School of the Faculty, or by other Faculties. In any variation from the standard course outlined here, students must justify elective choices in terms of their overall plan for the Honours course. Students should note also that the offering of elective units in any semester depends on sufficient minimum enrolments in the unit and the availability of staff. Full-time students should note that many electives may be offered in the evenings only.

Computing Science/Software Engineering

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>ITN420</td>
<td>Comparative Programming Languages</td>
<td>12 3</td>
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<tr>
<td>ITN421</td>
<td>Software Specification</td>
<td>12 3</td>
</tr>
<tr>
<td>ITN430</td>
<td>Advanced Operating Systems</td>
<td>12 3</td>
</tr>
<tr>
<td>ITN431</td>
<td>Distributed Systems</td>
<td>12 3</td>
</tr>
<tr>
<td>ITN440</td>
<td>Advanced Graphics</td>
<td>12 3</td>
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<tr>
<td>ITN441</td>
<td>Artificial Intelligence</td>
<td>12 3</td>
</tr>
<tr>
<td>ITN442</td>
<td>Compiler Construction</td>
<td>12 3</td>
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<tr>
<td>ITN443</td>
<td>Neurocomputing</td>
<td>12 3</td>
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<tr>
<td>ITN444</td>
<td>Parallel Processing</td>
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<td>ITN445</td>
<td>Pattern Recognition</td>
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Data Communications

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<tr>
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<tr>
<td>ITN530</td>
<td>Corporate Telecommunications</td>
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<tr>
<td>ITN531</td>
<td>Network Security</td>
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<td>ITN540</td>
<td>Advanced Network Technologies</td>
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<tr>
<td>ITN553</td>
<td>OS Security &amp; Management</td>
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<tr>
<td>ITN554</td>
<td>Special Topic</td>
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</tr>
<tr>
<td>ITN555</td>
<td>Special Topic</td>
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<tr>
<td>ITN556</td>
<td>Advanced Topics in Cryptology</td>
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Information Management

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credit Points</th>
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</thead>
<tbody>
<tr>
<td>ITN340</td>
<td>Information Agencies</td>
<td>12 3</td>
</tr>
<tr>
<td>ITN341</td>
<td>Information Policy &amp; Planning</td>
<td>12 3</td>
</tr>
<tr>
<td>ITN342</td>
<td>Information Science</td>
<td>12 3</td>
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Information Systems

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>ITN220</td>
<td>Major Issues in Information Systems</td>
<td>12 3</td>
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<tr>
<td>ITN221</td>
<td>Object-Oriented Analysis &amp; Design</td>
<td>12 3</td>
</tr>
<tr>
<td>ITN230</td>
<td>Current Advances in Database Technology</td>
<td>12 3</td>
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<tr>
<td>ITN231</td>
<td>Knowledge-based Systems</td>
<td>12 3</td>
</tr>
<tr>
<td>ITN241</td>
<td>Advanced Topics in Human–Computer Interaction</td>
<td>12 3</td>
</tr>
<tr>
<td>ITN243</td>
<td>Access Methods for Information Systems</td>
<td>12 3</td>
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<td>ITN244</td>
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<td>ITN245</td>
<td>Special Topic</td>
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<td>ITN250</td>
<td>Distributed Database Systems</td>
<td>12 3</td>
</tr>
</tbody>
</table>

- Bachelor of Information Technology (IT20)

Location: Gardens Point campus

Course Duration: 3 years full-time, 6 years part-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Hamish Bentley

Course Structure

The course structure is divided into three blocks of equal weight (96 credit points each).
Block 1
All students undertake the Common First Year, the first full-time year or first two years part-time, of the course. This block is worth 96 credit points.

Block 2
At the end of the Common First Year, students choose a Primary Major in either:
A: Computing Science
B: Data Communications
C: Database Systems
D: Information Management
E: Information Systems
F: Software Engineering

The Primary Major is worth 96 credit points and extends over the second and third years of the course for full-time students, and the third to sixth years for part-time students.

Block 3
Students choose the make up of the third block of the course, which also extends over the later years of the course and is worth 96 credit points. Choices are:
(i) Extended Major and a Minor
An extended major consists of 48 credit points of further study in the area of the primary major.
A minor consists of a cohesive set of units of approved study equal to 48 credit points. Examples of minors are given at the end of this section on IT20, Block 3, Section 4.
(ii) Pre-Honours Extended Major and a Minor
The pre-honours extended major is available for selected students who have performed well in the Foundation Year and the first half of the primary major. The pre-honours extended major consists of 48 credit points of advanced study in the area of the primary major and prepares students for the Honours course and higher-level studies.
A minor (see above) is taken with this extended major to make up the 96 credit points of Block 3.
(iii) Secondary Major
A secondary major consists of 96 credit points of study in an area of relevance and interest. Examples of secondary majors are given at the end of this section on IT20.
(iv) Two Minors
Students can undertake two minors that don’t have units in common, worth 48 credit points each, to complete Block 3; see above for explanation of minors.

Course Requirements

<table>
<thead>
<tr>
<th>Year 1</th>
<th>BLOCK 1 (96 credit points)</th>
<th>Common Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Years 2 &amp; 3</td>
<td>BLOCK 2 (96 credit points)</td>
<td>Primary Major</td>
</tr>
<tr>
<td></td>
<td>BLOCK 3 (96 credit points)</td>
<td>ONE OF THE FOLLOWING:</td>
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<tr>
<td></td>
<td></td>
<td>□ Extended Major and a Minor</td>
</tr>
<tr>
<td></td>
<td></td>
<td>□ Pre-Honours Extended Major and a Minor</td>
</tr>
<tr>
<td></td>
<td></td>
<td>□ Secondary Major</td>
</tr>
<tr>
<td></td>
<td></td>
<td>□ Two Minors</td>
</tr>
</tbody>
</table>
Cooperative Education Program

An optional one-year paid work experience is available to eligible full-time students at the end of the second year of full-time study. Students participating in this program enrol in ITB904 – Industrial Training Experience, a 24 credit point unit. Part-time students may be able to seek credit for professional experience (ITB905).

☐ Block 1: Common First Year

First Year Coordinator: Ms Ruth Christie

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Year 1, Semester 2</th>
<th>Year 2, Semester 1</th>
<th>Year 2, Semester 2</th>
</tr>
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<tbody>
<tr>
<td>BSB118</td>
<td>ITB102</td>
<td>BSB118</td>
<td>ITB102</td>
</tr>
<tr>
<td>ITB101</td>
<td>ITB310</td>
<td>ITB101</td>
<td>ITB411</td>
</tr>
<tr>
<td>ITB210</td>
<td>ITB410</td>
<td>ITB210</td>
<td>ITB310</td>
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<tr>
<td>ITB410</td>
<td>ITB410</td>
<td>ITB410</td>
<td>ITB412</td>
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</tbody>
</table>

Contact Points: 12
Hrs/Wk: 3

Part-Time Course Structure (Commencing Students in 1996)

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<thead>
<tr>
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<th>Year 1, Semester 2</th>
<th>Year 2, Semester 1</th>
<th>Year 2, Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB101</td>
<td>ITB310</td>
<td>BSB118</td>
<td>ITB102</td>
</tr>
<tr>
<td>ITB210</td>
<td>ITB410</td>
<td>ITB101</td>
<td>ITB411</td>
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<td>ITB412</td>
<td>ITB412</td>
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Contact Points: 12
Hrs/Wk: 3

Part-Time Course Structure (Commencing Students 1995)

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<thead>
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<th>Year 2, Semester 2</th>
</tr>
</thead>
<tbody>
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<td>ITB102</td>
</tr>
<tr>
<td>ITB412</td>
<td>ITB310</td>
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</table>

Contact Points: 12
Hrs/Wk: 3

☐ Block 2: Primary Majors

Primary majors are available in the following areas:

A: Computing Science
B: Data Communications
C: Database Systems
D: Information Management
E: Information Systems
F: Software Engineering
## A: Computing Science Primary Major

**Major Coordinator:** Dr Gerard Finn

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Points</th>
<th>Hrs/Wk</th>
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<tbody>
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<tr>
<td></td>
<td>ITB421</td>
<td>Data Structures &amp; Algorithms</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ITB422</td>
<td>Laboratory 3 (ADTs in a Unix environment)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ITB520</td>
<td>Data Communications</td>
<td>12</td>
<td>3</td>
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<tr>
<td>Year 2, Semester 2</td>
<td>ITB424</td>
<td>Software Engineering Principles</td>
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<td>ITB431</td>
<td>Programming Language Paradigms</td>
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<td>3</td>
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<tr>
<td></td>
<td>Block 3 Unit</td>
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<td>12</td>
<td>3</td>
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<tr>
<td></td>
<td>Block 3 Unit</td>
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<td>3</td>
</tr>
<tr>
<td>Year 3, Semester 1</td>
<td>ITB423</td>
<td>Laboratory 4 (Software Development)</td>
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<td>ITB430</td>
<td>Concurrent Systems</td>
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<td>Block 3 Unit</td>
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<td>Block 3 Unit</td>
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<tr>
<td></td>
<td>Block 3 Unit</td>
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### Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year, Semester</th>
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<th>Course Title</th>
<th>Points</th>
<th>Hrs/Wk</th>
</tr>
</thead>
<tbody>
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<tr>
<td>Year 3, Semester 2</td>
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<td>Data Structures &amp; Algorithms</td>
<td>12</td>
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</tr>
<tr>
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<td>ITB422</td>
<td>Laboratory 3 (ADTs in a Unix environment)</td>
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</tr>
<tr>
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<td>Software Engineering Principles</td>
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<td>Block 3 Unit</td>
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<td>3</td>
</tr>
<tr>
<td>Year 4, Semester 2</td>
<td>ITB423</td>
<td>Laboratory 4 (Software Development)</td>
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<td>Block 3 Unit</td>
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<td>Programming Language Paradigms</td>
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<td>Year 6, Semester 2</td>
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## B: Data Communications Primary Major

**Major Coordinator:** Mr Neville Richter

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Course</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
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<td>Laboratory 3 (ADTs in a UNIX Environment)</td>
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<td>Mathematics for Data Communications</td>
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<th>Contact Hrs/Wk</th>
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# C: Database Systems Primary Major

**Major Coordinator:** Mr David Edmond

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D: Information Management Primary Major

Major Coordinator: Mr Michael Middleton

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E: Information Systems Primary Major

Major Coordinator: Vacant

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### F: Software Engineering Primary Major

**Major Coordinator:** Mr Richard Thomas

<table>
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<tr>
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<tr>
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<td>ITB421 Data Structures &amp; Algorithms</td>
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<td>ITB422 Laboratory 3 (ADTs in a Unix environment)</td>
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<td>ITB448 Object Technology</td>
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<td>ITB455 Integrated Software Engineering Environments</td>
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<tr>
<td>ITB421 Data Structures &amp; Algorithms</td>
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<td><strong>Year 4, Semester 2</strong></td>
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<tr>
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<td><strong>Year 5, Semester 2</strong></td>
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<td>ITB455 Integrated Software Engineering Environments</td>
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<td>ITB448 Object Technology</td>
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<tr>
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Block 3: Options

Either:
1. Extended Major (48 credit points) plus a Minor (48 credit points)
OR
2. Pre-Honours Extended Major (48 credit points) for selected primary major students only plus a Minor (48 credit points)
OR
3. Secondary Major (96 credit points)
OR
4. Two Minors (48 credit points each)

Extended Major and Pre-Honours Extended Majors are detailed below by Primary Major heading. Examples of Secondary Majors and Minors follow.

Extended and Pre-Honours Extended Majors

A: COMPUTING SCIENCE EXTENDED MAJOR
(for Computing Science primary major students only)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>ITB440</td>
<td>Language &amp; Language Processing</td>
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<td>ITB446</td>
<td>Project$^8$</td>
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Computing Science Electives

First Semester Electives

<table>
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<th>Course Title</th>
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<tr>
<td>ITB441</td>
<td>Graphics</td>
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<tr>
<td>ITB442</td>
<td>Foundations of Artificial Intelligence</td>
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<tr>
<td>ITB443</td>
<td>Systems Programming</td>
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<td>ITB444</td>
<td>Special Studies 1</td>
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<td>ITB447</td>
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<td>ITB448</td>
<td>Object Technology</td>
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<td>ITB451</td>
<td>Project$^9$</td>
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<td>ITB454</td>
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<td>ITB457</td>
<td>Functional Programming</td>
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<td>ITB461</td>
<td>Foundations of Neurocomputing</td>
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<td>ITB463</td>
<td>Foundations of Pattern Recognition</td>
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Second Semester Electives

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<tr>
<td>ITB443</td>
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<td>ITB445</td>
<td>Special Studies 2</td>
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<td>ITB449</td>
<td>Expert Systems</td>
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<td>ITB451</td>
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<td>ITB453</td>
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<tr>
<td>ITB455</td>
<td>Integrated Software Engineering Environment</td>
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<tr>
<td>ITB456</td>
<td>Intelligent Graphic User Interfaces</td>
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<tr>
<td>MAB172</td>
<td>Statistical Methods</td>
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PRE-HONOURS EXTENDED MAJOR
(for selected Computing Science primary major students only)

<table>
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<th>Course Code</th>
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<tr>
<td>ITB440</td>
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<td>ITB450</td>
<td>Advanced Computer Architecture</td>
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<tr>
<td>ITB452</td>
<td>Project Work</td>
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$^8$ ITB446 Project and one elective unit may, subject to the approval of the Major Coordinator, be replaced with a 24 credit point project which may be undertaken across two semesters (ITB451 Project) or in one semester (ITB453 Project).

$^9$ A 24 credit point project may be undertaken across two semesters (ITB451 Project) or in one semester (ITB453 Project), subject to the approval of the Major Coordinator.
B: DATA COMMUNICATIONS EXTENDED MAJOR
(for Data Communications primary major students only)
Students may select one of the following three extended majors:

1a: Data Communications Extended Major (Network Systems)
ITB533  Comparative Network Systems  12  3
ITB542  Network Programming  12  3
ITB544  Project  12  3
      Data Communications Elective Unit  12  3

1b: Data Communications Extended Major (Telecommunications)
ITB534  Telecommunications Modelling  12  3
ITB544  Project  12  3
MAB178  Mathematics for Telecommunications  12  3
      Data Communications Elective Unit  12  3

1c: Data Communications Extended Major (Information Security)
ITB544  Project  12  3
ITB548  Introduction to Cryptology  12  3
ITB549  Error Control & Data Compression  12  3
      Data Communications Elective Unit  12  3

PRE-HONOURS EXTENDED MAJOR
(for selected Data Communications primary major students only)
The Data Communications Pre-Honours Extended Major consists of one of the above Data Communications extended majors.

DATA COMMUNICATIONS ELECTIVE UNITS
Students may choose electives from any unit offered within the Data Communications major and extended majors plus the units listed below (the offering of elective units depends on sufficient minimum enrolments and availability of staff).

BSB115  Management, People & Organisations  12  3
ITB448  Object Technology  12  3
ITB541  Transmission Techniques  12  3
ITB543  Information Security  12  3

C: INFORMATION MANAGEMENT EXTENDED MAJOR
(for Information Management primary major students only)
ITB340  Project  12  3
ITB341  Information Management 3  12  3
MAB172  Statistical Methods  12  3
SSB937  Applied Cognitive Psychology  12  3

PRE-HONOURS EXTENDED MAJOR
(for selected Information Management primary major students only)
ITB350  Project – H  12  3
ITB351  Information Management 3H  12  3
MAB172  Statistical Methods  12  3
SSB937  Applied Cognitive Psychology  12  3

D: INFORMATION SYSTEMS EXTENDED MAJOR
(for Information Systems primary major students only)
Students may select one of the following two extended majors:

INFORMATION SYSTEMS EXTENDED MAJOR 1
ITB232  Database Management  12  3
ITB240  Project  12  3
ITB241  Information Systems Management  12  3
      Information Systems Elective Unit  12  3

Information Systems Electives

First Semester Electives
ITB231  Applications Development  12  3
ITB236  Object-oriented Analysis & Design  12  3
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ITB242</td>
<td>Decision Support Systems</td>
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<td>ITB244</td>
<td>Special Topic 1</td>
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<td>ITB247</td>
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**Second Semester Electives**

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<tbody>
<tr>
<td>ITB235</td>
<td>Multimedia Systems Technologies</td>
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<tr>
<td>ITB243</td>
<td>Knowledge-Based Systems</td>
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<tr>
<td>ITB245</td>
<td>Special Topic 2</td>
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<tr>
<td>ITB246</td>
<td>Unix &amp; C</td>
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<tr>
<td>ITB249</td>
<td>Theoretical Foundations of Database Systems</td>
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<tr>
<td>MAB172</td>
<td>Statistical Methods</td>
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**INFORMATION SYSTEMS EXTENDED MAJOR 2**

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<td>ITB232</td>
<td>Database Management</td>
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<tr>
<td>ITB236</td>
<td>Object-oriented Analysis &amp; Design</td>
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<td>ITB243</td>
<td>Knowledge-based Systems</td>
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<tr>
<td>ITB249</td>
<td>Theoretical Foundations of Database Systems</td>
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**PRE-HONOURS EXTENDED MAJOR**

(for selected Information Systems primary major students only)

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<td>ITB241</td>
<td>Information Systems Management</td>
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<td>ITB249</td>
<td>Theoretical Foundations of Database Systems</td>
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<td>MAB272</td>
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**E: SOFTWARE ENGINEERING EXTENDED MAJOR**

(for Software Engineering primary major students only)

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<td>Project[^10]</td>
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<td>ITB456</td>
<td>Intelligent Graphic User Interfaces</td>
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**Software Engineering Electives**

**First Semester Electives**

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<td>ITB420</td>
<td>Computer Architecture</td>
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<td>ITB430</td>
<td>Concurrent Systems</td>
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<tr>
<td>ITB431</td>
<td>Programming Language Paradigms</td>
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<tr>
<td>ITB441</td>
<td>Graphics</td>
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<td>ITB520</td>
<td>Data Communications</td>
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**Second Semester Electives**

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<td>ITB224</td>
<td>Systems Analysis &amp; Design 2</td>
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<td>ITB420</td>
<td>Computer Architecture</td>
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<td>ITB430</td>
<td>Concurrent Systems</td>
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<td>ITB431</td>
<td>Programming Language Paradigms</td>
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<td>ITB440</td>
<td>Languages &amp; Language Processing</td>
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<td>ITB450</td>
<td>Advanced Computer Architecture</td>
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<td>ITB453</td>
<td>Project</td>
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**PRE-HONOURS EXTENDED MAJOR**

(for selected Software Engineering primary major students only)

<table>
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<th>Course Title</th>
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<tbody>
<tr>
<td>ITB452</td>
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<td>ITB456</td>
<td>Intelligent Graphic User Interfaces</td>
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<tr>
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<td>Software Engineering Elective Unit</td>
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</table>

For choice of elective units – see Software Engineering Extended Major above.

[^10]: ITB446 Project and one elective, subject to the approval of the Major Coordinator, may be replaced with ITB451 – a 24 credit point project taken over two semesters, or with ITB453 – a 24 credit point project taken in one semester.

[^11]: A 24 credit point project may be undertaken across two semesters (ITB451 Project) or in one semester (ITB453 Project), subject to the approval of the Major Coordinator.
Secondary Majors (96 Credit Points)

POSSIBLE SECONDARY MAJORS: It is the responsibility of the student to check prerequisite requirements and availability of secondary majors prior to enrolment. The choice of a secondary major is subject to the approval of the relevant primary major coordinator and/or the IT20 Course Coordinator. Listed below are Secondary Majors available within the Faculty of Information Technology; other majors are available in other Faculties of this University.

COMPUTING SCIENCE SECONDARY MAJOR
(for Software Engineering primary major students)
ITB420 Computer Architecture 12 3
ITB430 Concurrent Systems 12 3
ITB431 Programming Language Paradigms 12 3
ITB520 Data Communications 12 3

Select one of the following options:
Option 1 Electives to the value of 48 credit points
Option 2 Relevant minor (48 credit points)

DATA COMMUNICATIONS SECONDARY MAJOR
(for Information Management primary major students)
BSB115 Management, People & Organisations 12 3
ITB521 Laboratory 3 (Computer Networks) 12 3
ITB522 Advanced Data Communications 12 3
ITB530 Transport Protocols 12 3
ITB531 Applications Services 12 3
ITB532 Laboratory 4 (Network Management) 12 3
MAB172 Statistical Methods 12 3
MAB177 Mathematics for Data Communications 12 3

INFORMATION MANAGEMENT SECONDARY MAJOR
(for Computing Science, Data Communications, Information Systems and Software Engineering primary major students)
BSB115 Management, People & Organisations 12 3
ITB322 Information Resources 12 3
ITB323 Laboratory 4 (Information Support Methods) 12 3
ITB330 Information Issues & Values 12 3
ITB331 Information Management 2 12 3
SSB937 Applied Cognitive Psychology 12 3

Select two of the following units:
ITB241 Information Systems Management 12 3
ITB242 Decision Support Systems 12 3
ITB320 Laboratory 3 (Database Applications) 12 3
ITB340 Project 12
ITB341 Information Management 3 12 3
MAB172 Statistical Methods 12 3

INFORMATION SYSTEMS SECONDARY MAJOR
(for Computing Science, Data Communications, Software Engineering primary major students)
ITB220 Database Design 12 3
ITB222 Systems Analysis & Design 1 12 3
ITB223 Laboratory 4 (4GL Programming) 12 3
ITB224 Systems Analysis & Design 2 12 3
ITB241 Information Systems Management 12 3
Information Systems Elective Unit 12 3

INFORMATION SYSTEMS SECONDARY MAJOR
(for Information Management primary major students)
BSB115 Management, People & Organisations 12 3
LIBRARY AND INFORMATION STUDIES SECONDARY MAJOR
(for Information Management primary major students wishing to work in the Library field)
BSB115 Management, People & Organisations 12 3
ITB340 Project 12
ITP327 Information Organisation 1 12 3
ITP328 Information Sources 1 12 3
ITP329 Information Resources Provision 12 3
ITP330 Professional Practice 12
MAB172 Statistical Methods 12 3
SSB937 Applied Cognitive Psychology 12 3

SOFTWARE ENGINEERING SECONDARY MAJOR
(for Computing Science primary major students)
ITB222 Systems Analysis & Design 1 12 3
ITB448 Object Technology 12 3
ITB454 Software Quality Assurance 12 3
ITB455 Integrated Software Engineering Environment 12 3

Select one of the following options:
Option 1 Electives to the value of 48 credit points
Option 2 Relevant minor (48 credit points)

SOFTWARE ENGINEERING SECONDARY MAJOR
(for Data Communications primary major students)
ITB222 Systems Analysis & Design 1 12 3
ITB423 Laboratory 4 (Software Development) 12 3
ITB424 Software Engineering Principles 12 3
ITB448 Object Technology 12 3
ITB454 Software Quality Assurance 12 3
ITB455 Integrated Software Engineering Environment 12 3
ITB456 Intelligent Graphic User Interfaces 12 3

SOFTWARE ENGINEERING SECONDARY MAJOR
(for Information Management primary major students)
ITB222 Systems Analysis & Design 1 12 3
ITB423 Laboratory 3 (ADTs in a Unix Environment) 12 3
ITB424 Software Engineering Principles 12 3
ITB448 Object Technology 12 3
ITB454 Software Quality Assurance 12 3
ITB455 Integrated Software Engineering Environment 12 3
ITB456 Intelligent Graphic User Interfaces 12 3

SOFTWARE ENGINEERING SECONDARY MAJOR
(for Information Systems primary major students)
ITB421 Data Structures & Algorithms 12 3
ITB422 Laboratory 3 (ADTs in a Unix Environment) 12 3
ITB423 Laboratory 4 (Software Development) 12 3
ITB424 Software Engineering Principles 12 3
ITB448 Object Technology 12 3
ITB454 Software Quality Assurance 12 3
ITB455 Integrated Software Engineering Environment 12 3
ITB456 Intelligent Graphic User Interfaces 12 3
Two Minors (48 Credit Points each)

Minors are available from other Faculties as well as from the Faculty of Information Technology. It is the responsibility of the student to check prerequisite requirements and the availability and suitability of minors prior to enrolment. The choice of minors is subject to the approval of the IT20 Course Coordinator.

### COMPUTER SCIENCE MINORS

#### Computing Science Minor 1
(for Data Communications primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB421</td>
<td>Data Structures &amp; Algorithms</td>
<td>12</td>
</tr>
<tr>
<td>ITB422</td>
<td>Laboratory 3 (ADTS in an Unix Environment)</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Computing Science Elective Unit</td>
<td>12</td>
</tr>
</tbody>
</table>

#### Computing Science Minor 2
(for Information Management primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB321</td>
<td>Management, People &amp; Organisations</td>
<td>12</td>
</tr>
<tr>
<td>ITB421</td>
<td>Data Structures &amp; Algorithms</td>
<td>12</td>
</tr>
<tr>
<td>ITB422</td>
<td>Laboratory 3 (ADTS in an Unix Environment)</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Computing Science Elective Unit</td>
<td>12</td>
</tr>
</tbody>
</table>

#### Computing Science Minor 3
(for Information Systems primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB421</td>
<td>Data Structures &amp; Algorithms</td>
<td>12</td>
</tr>
<tr>
<td>ITB431</td>
<td>Programming Language Paradigms</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Computing Science Elective Unit</td>
<td>12</td>
</tr>
</tbody>
</table>

#### Computing Science Minor 4
(for Software Engineering primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB420</td>
<td>Computer Architecture</td>
<td>12</td>
</tr>
<tr>
<td>ITB430</td>
<td>Concurrent Systems</td>
<td>12</td>
</tr>
<tr>
<td>ITB431</td>
<td>Programming Language Paradigms</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Computing Science Elective Unit</td>
<td>12</td>
</tr>
</tbody>
</table>

#### Computational Intelligence Minor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB442</td>
<td>Foundations of Artificial Intelligence</td>
<td>12</td>
</tr>
<tr>
<td>ITB461</td>
<td>Foundations of Neurocomputing</td>
<td>12</td>
</tr>
</tbody>
</table>

plus two of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB456</td>
<td>Intelligent Graphic User Interfaces</td>
<td>12</td>
</tr>
<tr>
<td>ITB462</td>
<td>Cognitive Systems</td>
<td>12</td>
</tr>
<tr>
<td>ITB463</td>
<td>Pattern Recognition</td>
<td>12</td>
</tr>
</tbody>
</table>

### DATA COMMUNICATIONS MINOR

(for non-Data Communications primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB521</td>
<td>Laboratory 3 (Computer Networks)</td>
<td>12</td>
</tr>
<tr>
<td>ITB522</td>
<td>Advanced Data Communications</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Data Communications Elective Unit</td>
<td>12</td>
</tr>
</tbody>
</table>

### INFORMATION MANAGEMENT MINORS

#### Information Management Minor
(for non-Information Management primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB323</td>
<td>Laboratory 4 (Information Support Methods)</td>
<td>12</td>
</tr>
<tr>
<td>ITB330</td>
<td>Information Issues &amp; Values</td>
<td>12</td>
</tr>
<tr>
<td>ITB331</td>
<td>Information Management 2</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Information Management Elective Unit</td>
<td>12</td>
</tr>
</tbody>
</table>

#### Library Services Minor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB115</td>
<td>Management, People &amp; Organisations</td>
<td>12</td>
</tr>
<tr>
<td>ITP327</td>
<td>Information Organisation 1</td>
<td>12</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credit Hours</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>ITP328</td>
<td>Information Sources 1</td>
<td>12</td>
</tr>
<tr>
<td>ITP329</td>
<td>Information Resources Provision</td>
<td>12</td>
</tr>
</tbody>
</table>

**Records Management Minor**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB115</td>
<td>Management, People &amp; Organisations</td>
<td>12</td>
</tr>
<tr>
<td>ITP312</td>
<td>Organisation of Knowledge</td>
<td>12</td>
</tr>
<tr>
<td>ITP316</td>
<td>Field Experience</td>
<td>4</td>
</tr>
<tr>
<td>ITP323</td>
<td>Introduction to Records Management</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Information Systems Elective Unit</td>
<td>12</td>
</tr>
</tbody>
</table>

**INFORMATION SYSTEMS MINORS**

**Information Systems Minor 1**
(for Computing Science, Data Communications and Software Engineering primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB220</td>
<td>Database Design</td>
<td>12</td>
</tr>
<tr>
<td>ITB222</td>
<td>Systems Analysis &amp; Design 1</td>
<td>12</td>
</tr>
<tr>
<td>ITB241</td>
<td>Information Systems Management</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Information Systems Elective Unit</td>
<td>12</td>
</tr>
</tbody>
</table>

**Information Systems Minor 2**
(for Information Management primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB115</td>
<td>Management, People &amp; Organisations</td>
<td>12</td>
</tr>
<tr>
<td>ITB242</td>
<td>Decision Support Systems</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Information Systems Elective Unit</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Information Systems Elective Unit</td>
<td>12</td>
</tr>
</tbody>
</table>

**Information Systems Minor 3**
(for Computing Science and Software Engineering primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB221</td>
<td>Laboratory 3 (Commercial Programming)</td>
<td>12</td>
</tr>
<tr>
<td>ITB236</td>
<td>Object-oriented Analysis &amp; Design</td>
<td>12</td>
</tr>
<tr>
<td>ITB243</td>
<td>Knowledge-based Systems</td>
<td>12</td>
</tr>
<tr>
<td>ITB249</td>
<td>Theoretical Foundations of Database Systems</td>
<td>12</td>
</tr>
</tbody>
</table>

**SOFTWARE ENGINEERING MINORS**

**Software Engineering Minor 1**
(for Computing Science primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB448</td>
<td>Object Technology</td>
<td>12</td>
</tr>
<tr>
<td>ITB454</td>
<td>Software Quality Assurance</td>
<td>12</td>
</tr>
<tr>
<td>ITB455</td>
<td>Integrated Software Engineering Environment</td>
<td>12</td>
</tr>
<tr>
<td>ITB456</td>
<td>Intelligent Graphic User Interfaces</td>
<td>12</td>
</tr>
</tbody>
</table>

**Software Engineering Minor 2**
(for Data Communications, Database Systems, Information Management or Information Systems primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB421</td>
<td>Data Structures &amp; Algorithms</td>
<td>12</td>
</tr>
<tr>
<td>ITB424</td>
<td>Software Engineering Principles</td>
<td>12</td>
</tr>
<tr>
<td>ITB454</td>
<td>Software Quality Assurance</td>
<td>12</td>
</tr>
</tbody>
</table>

Select one of the following units:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB423</td>
<td>Laboratory 4 (Software Development)</td>
<td>12</td>
</tr>
<tr>
<td>ITB448</td>
<td>Object Technology</td>
<td>12</td>
</tr>
<tr>
<td>ITB455</td>
<td>Integrated Software Engineering Environments</td>
<td>12</td>
</tr>
<tr>
<td>ITB456</td>
<td>Intelligent Graphic User Interfaces</td>
<td>12</td>
</tr>
</tbody>
</table>

**INFORMATION SYSTEMS/SOFTWARE ENGINEERING MINOR**
(for Data Communications primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB220</td>
<td>Database Design</td>
<td>12</td>
</tr>
<tr>
<td>ITB222</td>
<td>Systems Analysis &amp; Design</td>
<td>12</td>
</tr>
<tr>
<td>ITB420</td>
<td>Computer Architecture</td>
<td>12</td>
</tr>
<tr>
<td>ITB448</td>
<td>Object Technology</td>
<td>12</td>
</tr>
</tbody>
</table>
D Bachelor of Information Technology – Mid-year Intake 1995

The following course structure is for students who commenced the Bachelor of Information Technology in July 1995.

In order to allow students to undertake any one of the majors, the first-year units are spread over three semesters. To maintain a normal workload, students are required to commence a minor in 1996.

**Full-Time Course Structure**

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB118 Business Communication &amp; Application Systems</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB101 Laboratory 1 (Computing Environments)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB410 Software Development 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB520 Data Communication</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB210 Formal Representation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB412 Technology of Information Systems</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Minor Unit</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Minor Unit</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB102 Laboratory 2 (Computer Applications)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB310 Information Management 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB411 Software Development 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Minor Unit</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Students will then follow the normal progression through their primary major area.

**Cooperative Education Program**

*(Elective Unit ITB904 – Industrial Training Experience)*

**Aims**

The purpose of the Cooperative Education Program is to provide students within the Bachelor of Information Technology experience of a real-world environment prior to the study of the more advanced aspects of the course. This experience:

(i) enables the student to place the concepts learned in the first two years in context, and
(ii) provides an experience that will enhance the benefits obtained from early study.

The Cooperative Education period necessarily involves reorientation and on-the-job training but students are expected to apply study skills to the acquisition of the necessary knowledge and, in general, employers are not expected to provide formal training.

**Selection Criteria**

The Cooperative Education program is available to full-time students enrolled in the fourth semester of the Bachelor of Information Technology degree (IT20), that is, who will have credit points in the range of 144–192 by the end of the year prior to the commencement of the program. Students are eligible to participate in the program if they have passed all units, or have a GPA (Grade Point Average) of at least 4.5. Students entering the course with exemptions for prior studies must have been exempted from no more than 96 credit points.

**Features**

The Cooperative Education Program is offered under the guise of the 24 credit point unit ITB904 Industrial Training Experience and has the following features:
The Faculty assists students to obtain suitable employment for the one-year period and also discusses the nature of the work to be undertaken with the employer. As employers choose their placements from interviews, the Faculty also arranges for students to attend sessions on interview techniques conducted by the Counselling Centre.

An academic member of staff normally visits the student once per semester and discusses progress with the student and a representative of the employer.

During the training period the student writes two reports on the experience, submits them to the employer for endorsement and comment, and then hands them to the Administration Officer (Academic) for assessment. The reports should highlight different aspects of the period, and include comments and recommendations.

Students will be assessed as either satisfactory or unsatisfactory in this unit. A satisfactory grade will be granted on the basis of:

(i) satisfactory completion of an approved period of cooperative education, and

(ii) submission of satisfactory reports on the year’s experience. The reports must be submitted not later than the due dates specified in the study guides.

A salary is paid to the student by the employer during this training period.

The Faculty carefully monitors all cooperative education placements and keeps a list of employers prepared to offer training. The Faculty makes its best endeavour to find suitable training places for all students who meet the selection criteria and elect to undertake this option.

It is intended that full-time students on the scheme will devote their prime efforts to the Industrial Training Experience and will not, therefore, be permitted to register for more than one other unit per semester during that year.

Notes

(i) Where there has been significant evidence of plagiarism or computer misuse by a student at any time during the course, no placement will be available to that student.

(ii) Part-time students may be eligible for credit for industry experience, subject to certain conditions. Students should consult the Administration Officer (Academic) in the Faculty for further information.
Courses

- Doctor of Juridical Science (LW50) ................................................................. 589
- Master of Arts in Justice Studies (Coursework) (JS51) ................................. 594
- Master of Arts in Justice Studies (Research and Thesis) (JS52) .................... 595
- Master of Laws by Coursework (LW51) .......................................................... 596
- Master of Laws by Research and Thesis (LW52) ............................................ 599
- Master of Legal Practice (LP51) ................................................................. 602
- Graduate Diploma in Legal and Justice Studies (JS41) ................................. 604
- Graduate Diploma in Legal Practice (LP41) .................................................. 605
- Bar Practice Course ..................................................................................... 608
- Bachelor of Arts (GU)/Bachelor of Laws (LX32) ........................................... 608
- Bachelor of Business – Accounting (USQ)/Bachelor of Laws (LX33) ........... 609
- Bachelor of Laws (LW33) ............................................................................. 610
- Bachelor of Arts (Justice Studies)/Bachelor of Laws (LW41) ....................... 617
- Bachelor of Arts (Justice Studies) (Honours) (JS40) ..................................... 618
- Bachelor of Arts (Justice Studies) (JS31) ..................................................... 620
- Bachelor of Arts (Justice Studies) (In-service) (JS33) ................................. 623
FACULTY OF LAW

Course Structures

**Doctor of Juridical Science (LW50)**

- **Location:** Gardens Point campus
- **Course Duration:** Minimum of 2 years full-time, 3 years part-time
- **Total Credit Points:** 288
- **Standard Credit Points/Full-Time Semester:** 48 (Average)
- **Course Coordinator:** Professor W.D. Duncan

**Entry Requirements**

On the recommendation of the Dean of the Faculty of Law, the Research Management Committee may admit to candidature for the degree an applicant who:

(i) holds or has completed the requirements for the degree of Bachelor of Laws at QUT with at least Second Class Honours Division A or its equivalent from another institution which in the opinion of the Dean maintains standards comparable with those required for the award of the degree of Bachelor of Laws at QUT, or

(ii) is a graduate of another institution and is accepted by the Dean and the Research Management Committee as having qualifications equivalent to those specified in paragraph (i), or

(iii) has either (a) completed the requirements for a degree of Bachelor of Laws at QUT or its equivalent from another institution which, in the opinion of the Dean, maintains standards comparable with those required for the award of the degree of Bachelor of Laws at QUT, or (b) is admitted to practice as a barrister or solicitor in Queensland or another state or territory of Australia or, who in the opinion of the Dean, is similarly qualified; and in both cases (a) and (b) has completed at least 48 credit points towards the requirements for a degree of Master of Laws at QUT or its equivalent from another institution which in the opinion of the Dean maintains standards comparable with those required for the award of the degree of Master of Laws at QUT; or

(iv) holds or has completed the requirements for a degree of Master of Legal Practice at QUT,

and, in any of the situations above,

(v) has a minimum of two years’ professional experience in a position of responsibility appropriate to the proposed course of study, and

(vi) is recommended by the Dean as being suitably qualified in the particular field of study in which the applicant proposes to be a candidate.

**Course Structure**

Students undertake 108 credit points of coursework units taken from Schedule I and complete a dissertation component.

---

1. *This course is under review and the course structure may be amended to comply with the Department of Employment, Education and Training (DEET) requirements for research degrees.*
Stage 1
108 credit points of coursework units taken from Schedule 1 in the entry for LW51 Master of Laws by Coursework. (Schedule 1 lists units available in 1996.)

Stage 2
Dissertation component (approximately 70,000 words).

Full-Time Course Structure
Students undertaking the dissertation component in the full-time mode enrol in LWR001 (36 credit points) for the first semester and LWR002 (48 credit points each) in subsequent semesters.

Part-Time Course Structure
Students undertaking the dissertation component in the part-time mode enrol in LWR101 (12 credit points) for the first semester and LWR102 (24 credit points) in subsequent semesters.

1. Studies During the Candidature
1.1 A candidate is required to complete successfully a course of study which results in a notable contribution to professional knowledge and practice. This contribution may be in the form of new knowledge and practice, or of significant and original adaptation, application and interpretation of existing knowledge and practice.

1.2 The degree comprises both coursework and a dissertation component which are of equal weight. Candidates will pursue an approved course of advanced study and research, comprising 108 credit points of coursework whether by approved projects or in courses offered by QUT (including courses selected from within the subject offerings for the LLM degree by coursework at a grade point average of at least 5.0). The candidate will also pursue a dissertation in accordance with Rules 3 and 6. One of the units studied for the coursework requirements must be Advanced Legal Research, or equivalents as approved by the Faculty’s Postgraduate Studies Committee.

1.3 Candidates must successfully complete all coursework requirements at the appropriate standard prior to commencing the dissertation. As far as possible, the topic of the dissertation must extend the coursework component. Subject to Rule 3, the Postgraduate Studies Committee will approve the course of study for the degree prior to commencement and will recommend for each candidate an Academic Supervisor who will normally be the Principal Supervisor for the candidate’s dissertation.

1.4 The Research Management Committee on the recommendation of the Dean of the Faculty of Law may approve a variation in a candidate’s course of study and research.

2. Credit for Previous Studies/Transfer of Registration
The Research Management Committee on the recommendation of the Dean of the Faculty of Law may grant a candidate credit in the following circumstances:

2.1 Where a candidate has undertaken part of a proposed course of study as a registered student in another institution, and has undertaken coursework as part of a Master’s degree, that candidate, through application in writing to Research Management Committee at the time of applying for registration, may have credit granted towards the candidate’s course of study at QUT provided that the work for which a candidate seeks credit has been completed at a grade point average of at least 5.0 on a seven-point grading scale. The applicant must include details of the work already undertaken, the reasons for the transfer and the expected date of completion.

2.2 A candidate who has completed at least 48 credit points towards a Masters degree at
QUT or elsewhere at a grade point average of 5.0 may apply for transfer to a doctoral degree in the professional field of law. The candidate shall prepare for the Research Management Committee a detailed progress report, and the Committee shall seek the advice through the Dean of the candidate’s Academic Supervisor. Where coursework has been undertaken as part of the Masters degree, a transfer normally may be approved only if the candidate has attained a grade point average of at least 5.0 on a seven-point scale.

2.3 Subject to these rules, a candidate who has completed a Masters degree in Law may be granted credit of up to 48 credit points for units passed for that degree at a grade point average of at least 5.0 on a 7 point scale.

2.4 Application for transfer normally should be submitted at least 24 months in advance of the probable date of completion of the dissertation component of the QUT Doctor of Juridical Science program.

2.5 The registration period for a doctoral degree in a professional field shall include such prior registration as may be approved by the Research Management Committee.

2.6 A candidate who is unable to complete the approved course of study may apply for transfer to an appropriate Masters degree.

3. Dissertation Requirements

3.1 When a candidate successfully completes the coursework component of the degree, the Academic Supervisor shall so certify to the Research Management Committee. The dissertation may not be commenced until the Committee receives such certification.

3.2 The dissertation must be presented in accordance with the requirements of the relevant rules of QUT.

3.3 Subject to the above and subject to the requirements of Rule 1, the candidate shall submit a detailed proposal for a topic for the dissertation to the Postgraduate Studies Committee at the time the candidate seeks approval for the candidate’s course of studies.

3.4 The topic for the dissertation must involve both an appropriate theoretical perspective and a specific orientation to professional practice and application.

3.5 Normally, two supervisors shall be appointed for each dissertation prepared by a candidate. One supervisor shall be the Principal Supervisor, with responsibility for supervising the preparation of the dissertation on a frequent basis. The Principal Supervisor shall be a member of the QUT Faculty of Law. Recommendations of suitable persons to be Principal Supervisor and Associate Supervisor for a dissertation shall be made by the Postgraduate Studies Committee to the Dean and approved by the Research Management Committee.

3.6 A candidate enrolled for the degree shall, at least once per semester during the period of candidature, consult with the Principal Supervisor and, where appropriate, any Associate Supervisor.

3.7 A candidate shall participate in such University scholarly activity, such as research seminars, as are deemed appropriate by the Principal Supervisor.

4. Progress Reports

4.1 A candidate shall prepare at the end of each semester during which the dissertation is being written a statement in the appropriate form of the work done towards the degree and submit it to the Principal Supervisor.

4.2 The Principal Supervisor shall within a fortnight of receiving the candidate’s statement of work prepare a report to be given to the candidate for comment. The candidate shall sign the report in acknowledgment of this and return it to the supervisor forthwith, together with any written comments the candidate may wish to make.
4.3 Both reports together with any accompanying comments by the candidate shall then be forwarded through the Faculty's Postgraduate Studies Committee and the Dean to the Research Management Committee.

4.4 Where, in the opinion of the Research Management Committee, a candidate has not made satisfactory progress towards completing the requirements for the degree, the Research Management Committee on the advice of the Dean shall call upon the candidate to show cause why the enrolment of the candidate should not be terminated for lack of satisfactory progress.

4.5 Upon failure of the candidate to show cause the candidate’s enrolment will be terminated.

5. Confirmation of Candidature

5.1 At the end of the second semester only after commencement of the dissertation component of the course the candidate will have to seek confirmation of candidature in accordance with this Rule.

5.2 To seek confirmation of candidature the Supervisor shall submit a written report of the candidate’s progress together with a report from the candidate to the first Postgraduate Studies Committee meeting held immediately after the end of the second semester of enrolment in the dissertation component of the degree.

5.3 The report of the Supervisor shall provide a written appraisal of:

- the candidate’s progress
- the candidate’s suitability for continuation in the SJD program
- the full course of study
- likely budget requirements and funds available
- certification: signature of the Principal Supervisor and date.

The report of the candidate shall provide:

- a detailed account of:
  - progress of the date, including details of completed coursework and grades obtained
  - problems encountered
- an indication of whether the thesis will be completed on time
- certification: signature of the candidate and date

5.4 If confirmation of candidature is not approved then the Postgraduate Studies Committee shall decide whether or not to extend the period for confirmation, and, if so, by what time, or recommend cancellation of enrolment, as the case may be.

6. Time Limits

6.1 Subject to Rules 5.2 and 5.3, a candidate may proceed either on a full-time or part-time basis.

6.2 Subject to 5.3, and except in special circumstances and with the approval of the Research Management Committee, all candidates shall complete a minimum of 36 months’ registration if a full-time student, or 54 months if a part-time student, or such other period as may be approved by the Research Management Committee.

6.3 Where the candidate is a holder of a Masters Degree in Law, the period of registration shall be not less than 24 months in the case of a full-time student and not less than 36 months in the case of a part-time student.

6.4 Except in special circumstances and with the approval of the Research Management Committee:
(i) A full-time candidate shall complete all the requirements for the degree not later than 54 months after first registration.

(ii) A part-time candidate shall complete all the requirements for the degree not later than 60 months after first registration.

7. Examination of the Dissertation

7.1 The candidate shall present a dissertation of approximately 70,000 words which shall constitute a substantial and original contribution to knowledge and understanding in the area of the law that is the subject of the research, in satisfaction of Rule 1.1. The dissertation must include a statement of objectives of the investigation and must acknowledge the sources from which the information is derived, the extent to which the work of others has been used, and that the work is original and otherwise complies with the University's requirements for presenting dissertations. Any substantial financial assistance received must also be acknowledged.

7.2 A candidate may not present as the dissertation any work which has been presented for another degree at QUT or any other institution.

7.3 Subject to agreement between supervisors and not later than three months before the proposed date for submission of the dissertation, the Principal Supervisor will recommend through the Faculty's Postgraduate Studies Committee to the Research Management Committee the composition of a proposed Examination Committee, together with the title of the candidate's dissertation.

7.4 In order to determine whether a dissertation is acceptable for examination, a candidate may be examined orally by a Law Faculty panel of three persons appointed by the Dean. The Principal Supervisor shall be one of those three persons and shall chair the panel. All available members of the Examination Committee should attend the oral examination. The examination will be based on the work described in the dissertation and the field of study in which the investigation lies. The candidate will provide sufficient copies of the dissertation, bound in temporary cover, for the panel and the examiners.

7.5 The Faculty Panel will advise the Postgraduate Studies Committee and the Research Management Committee whether the dissertation is acceptable for examination. If it does, the dissertation, in the format required by QUT, must be presented to the Research Management Committee together with certification that the dissertation has been accepted by the Law Faculty. Receipt of the dissertation by the Research Management Committee constitutes submission of the candidate's dissertation for examination. The candidate's Principal Supervisor shall forward proposed arrangements for examination of the dissertation through the Law Faculty Postgraduate Studies Committee to the Research Management Committee for approval.

7.6 A dissertation shall normally be examined by an Examination Committee comprising one examiner from the QUT Faculty of Law, who shall chair the Committee, and two external examiners. The external examiners must be independent of QUT. The Research Management Committee will provide the examiners with a copy of the dissertation and of all relevant requirements and information. Normally, examiners must read and report upon the dissertation within two months of its receipt.

7.7 When the examiners are in agreement with respect to the dissertation, the Chairperson shall transmit the result of the examination on the prescribed form to the Chairperson of the Research Management Committee. The examiners' report shall recommend (i) that the dissertation be accepted, with or without minor modifications, or (ii) that the candidate be re-examined, or (iii) that the dissertation not be accepted and the candidature be terminated. When the recommendation is that the dissertation be accepted, the chairperson must return an Examiners' Report together with a certificate signed by each examiner.
recommending acceptance of the dissertation towards fulfilment of the conditions for the award of the Doctor of Juridical Science degree.

8. Award of Degree

8.1 In order to qualify for the award of the Doctor of Juridical Science degree, a candidate must submit to the Research Management Committee:

(i) a declaration signed by the candidate that he or she has not been a candidate for another tertiary award during the period of candidature without the permission of the Research Management Committee, and

(ii) a certificate recommending acceptance of the dissertation towards fulfilment of the conditions for the Doctor of Juridical Science degree signed by each member of the Faculty Panel that recommended examination of the dissertation, and the Examination Committee which accepted it, together with three copies of the dissertation in the format required by the Queensland University of Technology, and

(iii) a certificate of satisfactory completion of the candidate's approved course of study signed by the candidate's Academic Supervisor, and

(iv) an application for conferral of the degree.

8.2 When the degree has been awarded, a copy of the dissertation incorporating any required amendments and revisions shall be lodged in the University and the Law Libraries.

Master of Arts in Justice Studies (Coursework) (JS51)

Location: Kelvin Grove campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Gayre Christie

Entry requirements

To be eligible to apply for admission an applicant should:

(i) hold a Bachelor of Arts (Justice Studies) degree (or a qualification deemed equivalent) and have an approved Honours degree, or a graduate diploma in an appropriate field of study with a GPA of 5.0 or better, or approved professional experience deemed equivalent; or

(ii) hold an approved four-year undergraduate degree in an appropriate field.

Full-Time Course Structure

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<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>JSN001 Theories of Justice 1</td>
<td>12</td>
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<tr>
<td>JSN002 Theoretical Criminology</td>
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<tr>
<td>JSN003 Applied Criminology</td>
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<td>JSN004 Issues in Criminal Justice</td>
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<th>Year 1, Semester 2</th>
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<td>12</td>
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<tr>
<td>Elective Unit</td>
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<tr>
<td>JSN006 Independent Study 1 OR Elective</td>
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<tr>
<td>JSN007 Independent Study 2 OR Elective</td>
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\[2 \text{ Subject to final University approval.}\]
### Part-Time Course Structure

#### Year 1, Semester 1
- JSN001 Theories of Justice 1 12
- JSN002 Theoretical Criminology 12

#### Year 1, Semester 2
- JSN005 Theories of Justice 2 12
- JSN006 Independent Study 1 OR Elective 12

#### Year 2, Semester 1
- JSN003 Applied Criminology 12
- JSN004 Issues in Criminal Justice 12

#### Year 2, Semester 2
- Elective Unit 12
- JSN007 Independent Study 2 OR Elective 12

### Elective Units

Choose from the following:
- JSN008 Indigenous Peoples, Rights and Justice 12
- JSN009 Sexed Justice 12
- JSN010 Counter Disaster Planning 12
- JSN011 Automated Tools for Research 12
- JSN012 The Law, Morality and the Media 12
- JSN013 Law, Justice and Literature 12

Elective units subject to availability.

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**Master of Arts in Justice Studies (Research and Thesis) (JS52)**

**Location:** Kelvin Grove campus

**Course Duration:** Minimum of 1 year full-time, 2 years part-time

**Total Credit Points:** 96

**Course Coordinator:** Dr Gayre Christie

**Entry Requirements**

To be eligible to apply for admission, an applicant should:

(i) have completed the requirements for the Bachelor of Arts in Justice Studies (Honours) or for the Graduate Diploma in Justice Studies; or

(ii) have completed the requirements for any other appropriate Honours degree or appropriate postgraduate diploma; or

(iii) have substantial professional experience deemed to be appropriate by the Course Coordinator in the field in which the proposed research work is to be undertaken; or

(iv) have completed satisfactorily an appropriate Masters qualifying program stipulated by the Course Coordinator on the recommendation of the Justice Studies Research and Ethics Committee. Pending satisfactory completion of a qualifying program, provisional status may be granted to the candidate; or

(v) submit professional publications or other appropriate evidence which satisfies the Course Coordinator, on the recommendation of the Justice Studies Research and Ethics Committee, that advanced knowledge and research ability has been acquired in an appropriate field in which the proposed research work is to be undertaken.
Thesis Requirements
The thesis submitted for the degree should be not less than 50,000 words and should constitute a substantial contribution to knowledge and understanding in the areas of criminology, law enforcement, intelligence and security, corrections and the community and legal and justice policy.

Course Structure

Semester 1

Full-Time students
- IFN100 Full-time Masters research
  - or, in instances where a candidate has exceeded the normal course duration and an extension of time has been approved,
- IFN101 Full-time Masters research (extension)

Part-Time students
- IFN200 Part-time Masters research
  - or, in instances where a candidate has exceeded the normal course duration and an extension of time has been approved,
- IFN201 Part-time Masters research (extension)

Master of Laws by Coursework (LW51)

Location: Gardens Point campus
Course Duration: 1 year full-time, 3 years part-time
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Professor W.D. Duncan

Entry Requirements
Applicants for admission shall have satisfied one of the following conditions:
(i) completed the requirements for the degree of Bachelor of Laws of QUT
(ii) completed the requirements for the award of a degree in law of another tertiary institution which, in the opinion of the Dean, maintains standards comparable with those required for the award of the degree of Bachelor of Laws of QUT
(iii) hold a professional qualification in law and at least three years of professional legal experience subsequent to first admission to practice and also satisfy the Dean that they have the requisite ability to complete the LLM by Coursework degree.

Course Structure
The course structure comprises 96 credit points of coursework units for a Pass degree together with a dissertation for an Honours degree.
The units from which 96 credit points shall be chosen are subject to availability.

Full-Time Course Structure

Year 1, Semesters 1 and 2
Units taken from Schedule 1 for any given year equal to 48 credit points per semester.
(Whole year units are counted as 12 credit points per semester.)
Part-Time Course Structure

Year 1, Semesters 1 and 2
Units taken from Schedule 1 for any given year equal to a minimum of 12 credit points per semester. (Whole year units are counted as 12 credit points per semester.)

Year 2, Semesters 1 and 2
Units taken from Schedule 1 for any given year equal to a minimum of 12 credit points per semester. (Whole year units are counted as 12 credit points per semester.)

Year 3, Semesters 1 and 2
Units taken from Schedule 1 for any given year equal to a minimum of 24 credit points per semester. (Whole year units are counted as 12 credit points per semester.)

Schedule 1: Accredited Coursework Units

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3 Unit extends over two semesters.
4 It is intended that these units will be offered in 1996 subject to demand and availability of staff.
A coursework student who has obtained 96 credit points and who has a grade point average of 6.0 or better for all units attempted shall be eligible to enrol for an Honours Dissertation. A coursework student who has obtained 96 credit points and who has obtained a grade point average of better than 5.5 and less than 6.0 for all units attempted shall, with the prior approval of the Director of Postgraduate Studies, be eligible to enrol for an Honours Dissertation.

Students who intend to undertake the Honours Dissertation should indicate their intention before the end of their last semester of study.

The Honours Dissertation shall be not less than 20,000 words and not more than 30,000 words in length, and shall be prepared in accordance with the paper *Presentation of Legal Theses* by E.M. Campbell, copies of which are held in the Law Library. It shall include a title page, table of contents and bibliography.

Applications to undertake an Honours Dissertation must be made on the prescribed form available from the Faculty office, detailing topic, proposed supervisor, etc. The obligation for finding a supervisor lies with the student. A list of research interests of Faculty staff is released in October of each year. Applications close in the second week of the semester in which the student is enrolled for the Honours dissertation. Students are advised of the success or otherwise of their applications no later than Week 4 of the semester in which the student is enrolled. If the topic and supervisor are approved, the student shall pursue their research for the dissertation under the direction of the supervisor.

The student shall submit four clear typed copies of their dissertation to the Dean of the Faculty of Law. The dissertation must be submitted no later than the last day of the examination period of the second consecutive semester. On submission of the dissertation, the student shall furnish a signed statement that the dissertation is their work alone, except where due acknowledgment is made in the text, and does not include material which has been previously submitted or accepted for a degree or diploma. The dissertation shall be referred to two examiners. Each examiner shall report as to whether, in his or her opinion, the dissertation is of sufficient merit and is one that is likely to be accepted for publication.

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5 *Subject to final University approval.*

6 *Unit extends over two semesters.*

7 *It is intended that these units will be offered in 1996 subject to demand and availability of staff.*
by a learned journal. Each examiner shall also recommend that the dissertation:

(i) be accepted, or
(ii) not be accepted, or
(iii) be accepted subject to amendments to be made to the satisfaction of the supervisor, and, in any event, shall recommend that the dissertation be awarded a grade of fail or one of the pass grades.

Following acceptance of the dissertation, two copies shall be bound in an approved form at the student's expense and one copy submitted to the Law Librarian for deposit in the QUT Faculty of Law Library and the other copy submitted for inclusion in the Queensland University of Technology Library. Any corrections resulting from the examiners' assessment shall be made prior to binding, and by retyping if they would otherwise be obtrusive.

## Master of Laws by Research and Thesis (LW52)

**Location:** Gardens Point campus

**Course Duration:** Minimum of 1 year full-time, 2 years part-time

**Total Credit Points:** 96

**Course Coordinator:** Professor W.D. Duncan

### 1. Rules for the Master of Laws Degree by Research and Thesis

1.1 The following rules apply to the degree of Master of Laws to be obtained by research and thesis awarded by the Queensland University of Technology, and are made with the authority of the Academic Committee of this University.

### 2. Master of Laws Degree by Research and Thesis

2.1 The Master of Laws (LLM) degree by Research and Thesis may be awarded as:

2.1.1 Master of Laws, or

2.1.2 Master of Laws with First Class Honours, or

2.1.3 Master of Laws with Second Class Honours.

### 3. Entry Requirements

The following persons shall be eligible to apply for admission as a student for the degree:

3.1 A person who has completed the requirements for the degree of Bachelor of Laws of QUT with at least Second Class Honours Division A, or its equivalent from another institution which, in the opinion of the Dean of the Faculty of Law, maintains standards comparable with those required for the award of the degree of Bachelor of Laws of QUT, or

3.1.1 A person who has completed the requirements for the degree of Bachelor of Laws of QUT at a standard of Second Class Honours Division B or a lesser standard, or its equivalent from another institution which, in the opinion of the Dean, maintains standards comparable with those required for the award of the degree of Bachelor of Laws of QUT, or

3.1.2 A person admitted or entitled to be admitted to practice in the State of Queensland.

3.2 Candidates falling within sub-clauses 3.1.1 and 3.1.2 must also satisfy the following to be eligible for admission:

3.2.1 Three years' professional experience in the field in which the proposed research work is to be undertaken, or

3.2.2 Satisfactory completion of an appropriate Masters qualifying program stipulated by
the Director of Research and Postgraduate Studies on the recommendation of the Postgraduate Studies Committee. Pending satisfactory completion of a qualifying program, provisional status may be granted to the candidate, or

3.2.3 The submission of professional publications or other appropriate evidence which satisfies the Director of Research and Postgraduate Studies on the recommendation of the Faculty’s Postgraduate Studies Committee that advanced knowledge and research ability has been acquired in the field of law in which the proposed research work is to be undertaken, and

3.2.4 The Dean of the Faculty of Law is satisfied of the ability of the candidate to complete the required research and thesis towards the degree.

4. Admission and Enrolment

4.1 A person applying for admission shall do so through the Registrar to the Dean.

4.2 Admission of a person as a candidate for the degree shall be at the discretion of the Dean on the recommendation of the Faculty’s Postgraduate Studies Committee.

4.3 A person applying for admission as a candidate for the degree shall apply in accordance with the requirements of the Registrar and shall pay all prescribed fees.

4.4 A person admitted as a candidate may enrol as either an internal full-time student or an internal part-time student.

5. Progress Reports

5.1 A candidate shall prepare within two weeks following the end of each semester a statement of the work done towards the degree and submit it to the appointed supervisor.

5.2 The supervisor shall prepare a report on the work done by the candidate during that semester and the report shall be given to the candidate for comment, and the candidate shall sign the report in acknowledgment of this and return it to the supervisor.

5.3 Both reports together with any accompanying comments by the candidate shall then be forwarded through the Faculty’s Postgraduate Studies Committee and the Dean to the University’s Research Management Committee within four weeks following the end of that semester.

5.4 Where, in the opinion of the Research Management Committee, a candidate has not made satisfactory progress towards completing the requirements for the degree, the Research Management Committee on the advice of the Dean shall call upon the candidate to show cause why the enrolment of the candidate should not be terminated for lack of satisfactory progress.

5.5 Upon failure of the candidate to show cause the candidate’s enrolment will be terminated.

6. Thesis Requirements

6.1 The thesis submitted for the degree shall be not less than 50,000 words and not more than 60,000 words in length and shall constitute a substantial contribution to knowledge and understanding in the area of the law and subject of the research. It shall include a title page, table of contents and bibliography, and shall otherwise comply with the University’s requirements for presenting theses.

6.2 The candidate shall submit a detailed proposal for a topic for the thesis to the Dean not later than the end of February or August, as the case may be, in the year in which the candidate is enrolled.

6.3 The Faculty’s Postgraduate Studies Committee may, upon the recommendation of the Dean, vary the title of the thesis topic.
6.4 A candidate enrolled for the degree shall, at least once per semester during the period of candidature, consult with the supervisor and, where appropriate, any co-supervisor appointed by the Law Academic Board on the advice of the Dean.

6.5 A candidate shall submit four copies of the thesis in the form prescribed by the University for the submission of theses to the Dean not later than the end of November or May, as the case may be, in the year in which the candidate is required to complete the degree. On submission of the thesis, the candidate shall furnish a written statement to the effect that the thesis is that candidate’s work alone, except where due acknowledgment is made in the text, and does not include material which has been previously submitted or accepted for a degree or diploma.

6.6 The Postgraduate Studies Committee shall refer the thesis to two examiners, at least one of whom must be external to the University. Each examiner shall report, normally within two months of receipt of the thesis, whether in the examiner’s opinion, the thesis is of the standard required for the award of the degree. Each examiner shall also recommend that the thesis:

(i) be accepted
(ii) not be accepted, or
(iii) be accepted subject to amendments to be made to the satisfaction of the supervisor, and
(iv) if accepted, whether the degree be awarded with First Class Honours, Second Class Honours or as a Pass degree.

6.7 The Faculty’s Postgraduate Studies Committee shall forward the examiners’ reports to the Law Academic Board together with its recommendation.

6.8 The Academic Board shall thereafter refer the examiners’ reports to the Research Management Committee with its recommendations.

6.9 Following final acceptance of the thesis, two copies shall be bound in the prescribed form at the candidate’s expense and one copy submitted to the QUT Faculty of Law Library and the other copy submitted to the Queensland University of Technology Library and shall otherwise be treated in accordance with University policy. Any corrections resulting from the examiners’ assessment shall be made prior to binding, and by retyping if they would otherwise be obtrusive.

7. Credit for Research Work Done Elsewhere

7.1 The Dean, on the advice of the Director of Research and Postgraduate Studies, may grant credit toward the Master of Laws degree by Research and Thesis for work done at another institution of similar standing. Such credit shall not be granted unless the candidate provides to the Dean:

(i) evidence that the candidate has cancelled or terminated enrolment at the other institution, and
(ii) a written undertaking that the candidate will not seek credit in any form or manner for work done at the other institution or any other institutions except to complete the degree at QUT.

8. Time for Completion Requirements

8.1 Except in special circumstances and with the approval of the Director of Research and Postgraduate Studies:
8.1 A full-time candidate shall complete all the requirements for the degree not earlier than the end of the second semester and not later than the end of the sixth semester of candidature.

(ii) A part-time candidate shall complete all the requirements for the degree not earlier than the end of the fourth semester and not later than the end of the tenth semester of the candidature.

8.2 The Dean may, upon the application of the candidate and on the advice of the Director of Research and Postgraduate Studies, extend any time limited by the rules by such further period as may be consistent with general University rules.

9. Award of Degree
9.1 A candidate who has fulfilled the requirements of these rules and who has otherwise complied with the provisions of all statutes and other rules applicable may be admitted to the degree of Master of Laws at the grade which the Academic Committee on the recommendation of the Law Academic Board and Research Management Committee recommends for the award.

■ Master of Legal Practice (LP51)

Course discontinued: This course is being phased out. There will be no further intakes.

Location: Gardens Point campus

Course Duration: Minimum of one semester and maximum of three semesters, following completion of the Graduate Diploma in Legal Practice.

Total Credit Points: 144 (including 96 credit points for the Graduate Diploma in Legal Practice)

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor John de Groot

Entry Requirements
To be eligible for admission to the Master of Legal Practice an applicant shall:

☐ hold or be entitled to be admitted to an approved Bachelor degree in law;

☐ have:

(i) satisfactorily completed the requirements for the Graduate Diploma in Legal Practice at a high level of achievement (GPA of at least 5.0); or

(ii) a Graduate Diploma in Legal Practice and have at least three years of professional experience in a law-related field and satisfy the Dean that they have the requisite ability to complete the MLP research dissertation; and

☐ otherwise satisfy entry requirements equivalent to those of the LLM offered by the Faculty of Law.

Course Structure
Students must complete a Research Dissertation in a minimum of one semester. Refer to information given under the heading Research Dissertation which follows.

It is expected that the Research Dissertation will relate to one of the core unit areas covered in the Graduate Diploma in Legal Practice and have an ‘applied law’ orientation.

Set out below are examples of topics which indicate the type of Research Dissertation expected:
Law and practice difficulties in staged resort development.

A comparative and effectiveness analysis of 'judgement by default' procedures and practices in the District, Supreme and Federal Courts.

Jurisdictional issues and procedural difficulties in obtaining injunctive relief in the Supreme, Federal and Family Courts.

Full-Time Course Structure
Students undertaking the Master of Legal Practice in the full-time mode enrol in LPN301 Research Dissertation (48 credit points).

Part-Time Course Structure
Students undertaking the Master of Legal Practice in the part-time mode over two semesters enrol in LPN300 Research Dissertation (24 credit points).

Students undertaking the Master of Legal Practice in the part-time mode over three semesters enrol in LPN302 Research Dissertation (24 credit points) for one semester and enrol in LPN303 Research Dissertation (12 credit points) and LPN304 Research Dissertation (12 credit points) in the two subsequent semesters.

Students are advised to contact the Course Coordinator prior to final enrolment to ensure that they undertake the course in the manner most beneficial to successful study.

Research Dissertation (LPN300, LPN301, LPN302, LPN303 or LPN304)
The Research Dissertation shall be approximately 20,000 words in length, and shall be prepared in accordance with the paper *Presentation of Legal Theses* by E.M. Campbell, copies of which are held in the Law Library. It shall include a title page, table of contents and bibliography.

A student shall submit a topic for the dissertation to the Director of Legal Practice not later than the end of February in the year in which they are enrolled for the Master of Legal Practice. At the same time, students shall submit the name of a supervisor willing to supervise the dissertation. If the topic and the supervisor are considered by the Director of Legal Practice to be satisfactory, the Director shall recommend approval of the topic and the supervisor by the Postgraduate Studies Committee. On approval of the topic and the supervisor by the Postgraduate Studies Committee the student shall pursue his or her research for the dissertation under the direction of the supervisor.

The student shall submit four clear typed copies of his or her dissertation to the Director of Legal Practice not later than 18 months after the date on which they enrolled for the Master of Legal Practice. On submission of the dissertation, students shall furnish a signed statement that the dissertation is the student's work alone, except where due acknowledgment is made in the text, and does not include material which has been previously submitted or accepted for a degree or diploma. The Postgraduate Studies Committee shall refer the dissertation to two examiners recommended to it by the Director of Legal Practice. One of the examiners shall normally be a practitioner specialising or experienced in the area addressed in the dissertation and the other a Faculty member. Each examiner shall report as to whether in his or her opinion, the dissertation is of sufficient merit and is one that is likely to be accepted for publication by a learned journal. Each examiner shall also recommend that the thesis:

(i) be accepted; or

(ii) not be accepted; or

(iii) be accepted subject to amendments to be made to the satisfaction of the supervisor.
Following acceptance of the dissertation, two copies shall be bound in an approved form at the student’s expense and one copy submitted to the QUT Faculty of Law Library and the other copy submitted for inclusion in the Queensland University of Technology Library. Any corrections resulting from the examiners’ assessment shall be made prior to binding, and by retyping if they would otherwise be obtrusive.

Graduate Diploma in Legal and Justice Studies (JS41)\textsuperscript{8}

In the fields of: Law Enforcement, Intelligence & Security, Corrections and the Community and Legal & Justice Policy.

Location: Kelvin Grove campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Course Coordinator: Dr Gayre Christie

Entry requirements
To be eligible to apply for admission an applicant should:
(i) hold an appropriate undergraduate degree from a recognised tertiary institution; or
(ii) have extensive professional experience as deemed appropriate by the Course Coordinator.

Applicants who do not meet the requirements for normal entry described in (i) should provide documentary evidence of experience together with the standard application form.

Applicants may be selected for interview prior to an offer being made.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSP001</td>
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<td>JSP006</td>
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Year 1, Semester 2

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Part-Time Course Structure

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<tr>
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<td>JSP004</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Year 1, Semester 2

This course is offered subject to University approval.

\( ^* \) See next page.
Year 2, Semester 1
JSP005 Justice Organisations 12
plus: Professional Minor 3* OR Elective 12

Year 2, Semester 2
JSP006 Research Design and Methodology 12
plus: Professional Minor 4* OR Elective 12

Elective Units
JSP011 Indigenous Peoples, Rights and Justice 12
JSP012 Sexed Justice 12
JSP013 Counter Disaster Planning 12
JSP014 Automated Tools for Research 12
JSP015 The Law, Morality and the Media 12
JSP016 Law, Justice and Literature 12

* Select Professional Minor (48 credit points) from ONE of the following areas:

Law Enforcement
JSP052 Police Procedure and Practice
JSP053 Organised Crime
JSP054 Issues in Policing
JSP055 Applied Justice Research

Intelligence and Security
JSP061 Process Theory and Application
JSP062 Protective Security – Theory and Application
JSP063 Intelligence Research – Issues, Procedures and Practice
JSP064 Protective Security – Issues and Practice

Corrections and the Community
JSP071 Corrections and the Community 1
JSP072 Corrections and the Community 2
JSP073 Corrections and the Community 3
JSP074 Corrections and the Community 4

Legal and Justice Policy
JSP081 Law and Public Policy
JSP082 Legal Rights and Responsibilities
JSP083 Administrative Law and Justice
JSP084 Justice and Human Rights

Graduate Diploma in Legal Practice (LP41)

Location: Gardens Point campus

Course Duration: 1 year full-time only

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor John de Groot

Entry Requirements

1. Eligibility for Normal Entry
1.1 To be eligible for a place in the Graduate Diploma in Legal Practice applicants must hold, or be entitled to, an approved degree in law by the date the course commences.

2. Approved Degree in Law
2.1 An approved degree in law is a degree in which an applicant passed all the units required for admission as a solicitor of the Supreme Court of Queensland, whether as part of the degree or through additional study.
2.2 If an applicant has a degree from a university not in Queensland, the applicant must submit a letter from the Secretary of the Queensland Solicitors’ Board stating that the applicant has passed all the units required for admission as a solicitor, whether as part of the degree or through additional study.

3. Special Entry Where Applicants do not Hold an Approved Degree

3.1 Applicants who are not eligible for normal entry may apply for special entry. An application for special entry must be accompanied by a written statement setting out reasons for applying for special entry.

3.2 Applications for special entry will not be considered unless there are places available in the course after places have been allocated to applicants who are eligible for normal entry.

4. Application

4.1 Applications will be considered only after the applicants comply with the University’s requirements for admission to postgraduate courses.

5. Allocation of Places

5.1 If there are more applicants than quota places by the date applications for places in the course are due (the due date), places will be allocated:

(a) as to no less than 80 per cent of places, based on the relative preparedness of applicants for the course determined by reference to the units listed in 5.2 below completed before the course commences

(b) as to up to 20 per cent of quota places, as determined by the Dean having regard to:

(i) the Faculty’s Equity Policy

(ii) academic merit (usually first class or 2A honours at QUT or equivalent) or graduated or expect to graduate within the top 5 per cent of the applicant’s graduating class

(iii) whether completion of the course is required by the applicant’s employer, or

(iv) extraordinary circumstances.

5.2 The units on which preparedness for the course is determined are those prescribed for admission in Queensland together with those determined from time to time by the Academic Board, which for 1996 are listed below. Units studied as discrete units will receive preference over those studies studied as part of a unit incorporating other units.

Family Law
Succession
Theories of Law/Jurisprudence
Research & Legal Reasoning/Legal Research & Writing I
Advanced Research & Legal Reasoning/Legal Research & Writing II

5.3 Where a number of applicants rank equally on the basis of the above units, their ranking inter se will be determined on how many of the units listed below have been completed and in the second instance (if necessary) on their relative academic merit.

Legal Drafting
Land Contracts or Conveyancing or Vendor & Purchaser
Securities
Taxation Law

5.4 To be considered for a place under rule 5.1(b), an applicant must be eligible for normal entry, complete the requirements in rule 4 above, and make a written submission to the Dean through the Director of Legal Practice by the due date.

If the application relies on the Faculty’s Equity Policy, the submission must state the
provisions of the Equity Policy under which the application is being made as well as all other matters which the applicant would like taken into consideration.

Submissions based on other grounds should also state all the matters which the applicant would like taken into consideration. Any relevant supporting documentation, such as letters from employers, medical certificates, etc. must be attached.

Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>LPP001/1</td>
<td>Legal Practice</td>
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</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPP001/2</td>
<td>Legal Practice</td>
</tr>
</tbody>
</table>

Content

Seven core areas are addressed and, within these areas, 22 topics are covered. The core areas and topics are:

PROPERTY
Conveyancing Practice
Lease Practice
Town Planning & Environment

BANKING & FINANCE
Securities
Creditors’ Remedies

COMMERCIAL
Commercial Transactions
Company Practice
Insurance Law
Trade Practices

LITIGATION
Civil Litigation
Criminal Law Practice
Industrial Law

FAMILY
Family Law Practice
Legal Aid

ADMINISTRATION OF
ESTATES & WILLS
Administration of Estates
Wills

LEGAL PROFESSIONALISM & SKILLS
Advocacy
Legal Drafting
Legal Interviewing & Communication
Legal Profession & Professional Conduct

MANAGEMENT SKILLS
Management Skills
Negotiation & Dispute Resolution

Attendance

(i) Subject to (ii) below, a student must, throughout the 32 weeks of the course, attend at the University or wherever the course is being conducted at any given time from 9.00 am to 5.00 pm and at such other times as may be specified on each weekday which is not a public holiday in Queensland and which does not fall within a course recess, and must participate in all the appropriate course activities. Normally attendance is not required on Wednesdays unless otherwise advised. Students have the option of working at home on this day.

(ii) A student who is absent from the course for more than an aggregate of seven days will be refused a Certificate of Satisfactory Completion of the course unless he or she shows cause to the Dean of the Faculty of Law why such a Certificate should be granted. Such cause might be the circumstance that the student has completed in their own time to the satisfaction of the senior full-time instructor of the Legal Practice course all work missed during the period/s of absence.

Assessment

Throughout the course there will be continuous assessment of the performance of each student. This will be based on attendance, conduct, application and, most of all, proficiency.
A student whose performance is deemed to be unsatisfactory as regards any area of practice or any part of such an area must repeat such part of the course as he or she is directed to repeat.

Other Requirements
The Dean of the Faculty of Law may require students to comply with such other regulations relating to the Legal Practice course as may be notified from time to time.

Certificate of Satisfactory Completion, Graduate Diploma in Legal Practice
Subject to the rules set out above, each student who satisfactorily participates in and completes each part of the course and who complies with all the requirements relating to the course will receive a Certificate of Satisfactory Completion of the Legal Practice Course and will be awarded a Graduate Diploma in Legal Practice.

Bar Practice Course
Warden: K. Maxwell, LLB QUT, GradDipLegalPrac QUT, LLM QUT

The Bar Practice Course is offered by the Bar Practice section of the Legal Practice unit located at the Gardens Point campus. The course was first offered in 1983 and is a joint venture between the Bar Association of Queensland and QUT within the administrative structure of the Faculty of Law. It is subject to a Management Committee consisting of three members appointed by the Bar Association, three members appointed by the University, and a Chief Executive Officer, designated Warden, who is a member of the academic staff of the Faculty of Law.

The objectives of the Bar Practice Course are:
(i) to develop and enhance the practice skills of candidates for admission to the Bar of the Supreme Court of Queensland, and
(ii) to concern itself with training and standards directed towards the achievement of the highest possible levels of competence and professional integrity in the members of the Bar of the Supreme Court of Queensland.

All sessions are practical and are substantially conducted by members of the judiciary, the magistracy and the senior Bar, and are directed towards practice and applications. Knowledge of substantive law units is presumed.

The course has a four-week full-time component, and an intensive advocacy weekend workshop, presented to students (readers) who have qualified in Law from universities or the Bar Board, and who wish to practise as Barristers.

Bachelor of Arts (GU)/Bachelor of Laws (LX32)
Course Discontinued: This course is being phased out. There will be no further intakes.
Location: Gardens Point campus (Law component)
Course Duration: 5 years full-time
Standard Credit Points/Full-Time Semester: 50.25 (Law component)
Course Coordinator: Professor Malcolm Cope
Professional Recognition
For information on the academic requirements of the Solicitors’ or Barristers’ Board of Queensland please refer to the section on professional recognition in the Bachelor of Laws course entry.
Transitional Arrangements

Students must complete the old course structure of 354–366 credit points in the law degree component of the course to be eligible to graduate. Students should refer to their Transition Agreement for individual study programs.

<table>
<thead>
<tr>
<th>Course Structure (Continuing students only)</th>
<th>Credit Points</th>
<th>Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 5, Semester 1</strong></td>
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<tr>
<td>LWB431 Civil Procedure</td>
<td>12</td>
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<td>LWB432 Evidence</td>
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<td><strong>Year 5, Semester 2</strong></td>
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<tr>
<td>LWB333 Theories of Law</td>
<td>12</td>
<td>3</td>
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<td>LWB433 Professional Responsibility</td>
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<td>3</td>
</tr>
<tr>
<td>LWB434 Advanced Research &amp; Legal Reasoning</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Units</td>
<td>12</td>
<td></td>
</tr>
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</table>

Elective Units
For availability of Law elective units, refer to the relevant section in the Bachelor of Laws course entry. The offering of elective units in any semester will be dependent upon sufficient minimum enrolments in the unit and the availability of staff. The choice of all elective units is subject to the approval of the Associate Dean of the Faculty of Law.

Bachelor of Business – Accounting (USQ)/Bachelor of Laws (LX33)

Course Discontinued: This course is being phased out. There will be no further intakes.

Location: Gardens Point campus (Law component)

Course Duration: 5 years full-time

Standard Credit Points/Full-Time Semester: 33.6 (Law component)

Professional Recognition
For information on the academic requirements of the Solicitors’ or Barristers’ Board of Queensland please refer to the section on professional recognition in the Bachelor of Laws course entry.

<table>
<thead>
<tr>
<th>Course Structure (Continuing students only)</th>
<th>Credit Points</th>
<th>Hrs/Wk</th>
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</thead>
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<td><strong>Year 2, Semester 1</strong></td>
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<td>LWB133/1 Torts</td>
<td>12</td>
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<td><strong>Year 2, Semester 2</strong></td>
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<td>LWB132/2 Contracts</td>
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<td>LWB133/2 Torts</td>
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<td><strong>Year 3, Semester 1</strong></td>
<td></td>
<td></td>
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<tr>
<td>LWB231 Introduction to Public Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB232/1 Criminal Law &amp; Procedure</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

9 A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units or courses offered by other Faculties but limitations are imposed on the number of introductory units or courses which may be undertaken. Before undertaking such units or courses, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
Year 3, Semester 2
LWB232/2  Criminal Law & Procedure  12 3
LWB235  Australian Federal Constitutional Law  12 3

Year 4, Semester 1
LWB233/1  Property 1  12 3
LWB234/1  Equity & Trusts  12 3
LWB331  Administrative Law  12 3
LWB332  Property 2  12 3

Year 4, Semester 2
LWB233/2  Property 1  12 3
LWB234/2  Equity & Trusts  12 3
LWB333  Theories of Law  12 3
LWB334  Corporate Law  12 3

Year 5, Semester 1
LWB431  Civil Procedure  12 3
LWB432  Evidence  12 3
Elective Units10, 11

Year 5, Semester 2
LWB433  Professional Responsibility  12 3
LWB434  Advanced Research & Legal Reasoning  12 3
Elective Units10, 11

Elective Units
For availability of Law elective units, refer to the relevant section in the Bachelor of Laws course entry. The offering of elective units in any semester will be dependent upon sufficient minimum enrolments in the unit and the availability of staff. The selection of all elective units is subject to the approval of the Associate Dean of the Faculty of Law.

Bachelor of Laws (LW33)
Location: Gardens Point campus
Course Duration: 4 years full-time, 6 years part-time
Total Credit Points: 384
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Professor Malcolm Cope

Full-Time Course Structure (LW33)

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>LWB130  Introduction to Study in Law</td>
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<tr>
<td>LWB131/1  Law in Context</td>
<td>12 3</td>
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<td>LWB133/1  Torts</td>
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<tr>
<td>LWB134  Research and Legal Reasoning</td>
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<th>Contact Hrs/Wk</th>
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<td>LWB132/2  Contracts</td>
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<tr>
<td>LWB133/2  Torts</td>
<td>12 4</td>
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<tr>
<td>LWB135  Legislation</td>
<td>12 3</td>
<td></td>
</tr>
</tbody>
</table>

10 This course structure represents only the law degree component of the course.
11 A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units or courses offered by other Faculties but limitations are imposed on the number of introductory units or courses which may be undertaken. Before undertaking such units or courses, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
### Year 2, Semester 1
- LWB231 Introduction to Public Law 12 3
- LWB232/1 Criminal Law & Procedure 12 3
- LWB233/1 Property 1 12 3
- LWB234/1 Equity & Trusts 12 3

### Year 2, Semester 2
- LWB232/2 Criminal Law & Procedure 12 3
- LWB233/2 Property 1 12 3
- LWB234/2 Equity & Trusts 12 3
- LWB235 Australian Federal Constitutional Law 12 3

### Year 3, Semester 1
- LWB331 Administrative Law 12 3
- LWB332 Property 2 12 3
- Elective Units 12

### Year 3, Semester 2
- LWB333 Theories of Law 12 3
- LWB334 Corporate Law 12 3
- Elective Units 12

### Year 4, Semester 1
- LWB431 Civil Procedure 12 3
- LWB432 Evidence 12 3
- Elective Units 12

### Year 4, Semester 2
- LWB433 Professional Responsibility 12 3
- LWB434 Advanced Research & Legal Reasoning 12 3
- Elective Units 12

### Professional Recognition for Admission to Practice

NEW COURSE – LW33
The new course structure (LW33) will enable students to meet the academic requirements for admission to practice as a Solicitor or Barrister in Queensland. However, the new admission requirements for admission as a Barrister or Solicitor in all of the Australian jurisdictions including Queensland are undergoing major review following National Mutual Recognition legislation.

Whilst the Faculty of Law will seek to advise students as early as possible when Admission Rules are amended, students should also contact the Queensland Solicitors’/Barristers’ Boards for more information. In the interim, students are advised that the following elective units may be appropriate: LWB302 Family Law, LWB309 Succession, LWB312 Land Contracts, LWB361 Drafting, LWB364 Introduction to Taxation Law, and LWB492 Securities.

### Part-Time Internal and External Course Structure – LW33

<table>
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<td>(2 weeks)</td>
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<td>3</td>
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<td>LWB134</td>
<td>Research &amp; Legal Reasoning</td>
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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>LWB135</td>
<td>Legislation</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>

12 A student is required to complete 96 credit points of elective units. A student may undertake, as electives, units offered by other Faculties but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
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<tbody>
<tr>
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<tr>
<td>LWB234/1 Equity &amp; Trusts</td>
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<td>LWB233/2 Property 1</td>
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<tr>
<td>LWB234/2 Equity &amp; Trusts</td>
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<td>3</td>
</tr>
<tr>
<td>LWB235 Australian Federal Constitutional Law</td>
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<tr>
<td>Year 4, Semester 1</td>
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<td>LWB333 Theories of Law Elective Units 13</td>
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<td>Year 5, Semester 1</td>
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<td>LWB332 Property 2 Elective Units 13</td>
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<td>Year 5, Semester 2</td>
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<td>Year 6, Semester 1</td>
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<td>LWB431 Civil Procedure</td>
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<tr>
<td>LWB432 Evidence Elective Units 13</td>
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<td>Year 6, Semester 2</td>
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</tr>
<tr>
<td>LWB434 Advanced Research &amp; Legal Reasoning Elective Units 13</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

**Special Accelerated Full-Time Course Structure for Graduates (LW33)**

A graduate of any degree course approved by the Associate Dean of the Faculty of Law is eligible to complete the Bachelor of Laws course in three years (six semesters) of full-time study.

Graduate students are eligible to apply for an exemption of 48 credit points of elective units.

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWB130 Introduction to Study in Law</td>
<td>(2 weeks)</td>
<td></td>
</tr>
<tr>
<td>LWB131/1 Law in Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB132/1 Contracts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB133/1 Torts</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>LWB134 Research &amp; Legal Reasoning</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

13 A student is required to complete 96 credit points of elective units. A student may undertake, as electives, units offered by other Faculties but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
### Special Accelerated Part-Time and External Course Structure for Graduates (LW33)

A graduate of any degree course approved by the Associate Dean of the Faculty of Law is eligible to complete the Bachelor of Laws course in five years (10 semesters) of part-time study.

Graduate students are eligible to apply for an exemption of 48 credit points of elective units.

**Note:** The accelerated nature of the graduate course structures results in a credit point loading equivalent to that of a full-time student. Consequently, enrolment in these programs will attract student guild fees and HECS liability calculated at full-time rates.

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, Semester 1</td>
<td>LWB130</td>
<td>Introduction to Study in Law</td>
<td>12</td>
<td>(2 weeks)</td>
</tr>
<tr>
<td></td>
<td>LWB131/1</td>
<td>Law in Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LWB134</td>
<td>Research &amp; Legal Reasoning</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>1, Semester 2</td>
<td>LWB131/2</td>
<td>Law in Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LWB135</td>
<td>Legislation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>2, Semester 1</td>
<td>LWB132/1</td>
<td>Contracts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LWB133/1</td>
<td>Torts</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>LWB232/1</td>
<td>Criminal Law &amp; Procedure</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

14 A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units or courses offered by other Faculties but limitations are imposed on the number of introductory units or courses which may be undertaken. Before undertaking such units or courses, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
### Year 2, Semester 2
- LWBI32/2 Contracts  
- LWBI33/2 Torts  
- LWBI34/2 Criminal Law & Procedure

### Year 3, Semester 1
- LWBI231 Introduction to Public Law  
- LWBI233/1 Property  
- LWBI234/1 Equity & Trusts

### Year 3, Semester 2
- LWBI233/2 Property  
- LWBI234/2 Equity & Trusts  
- LWBI235 Australian Federal Constitutional Law

### Year 4, Semester 1
- LWBI331 Administrative Law  
- LWBI332 Property 2  
- Elective Units

### Year 4, Semester 2
- LWBI333 Theories of Law  
- LWBI334 Corporate Law  
- Elective Units

### Year 5, Semester 1
- LWBI431 Civil Procedure  
- LWBI432 Evidence  
- Elective Units

### Year 5, Semester 2
- LWBI433 Professional Responsibility  
- LWBI434 Advanced Research & Legal Reasoning  
- Elective Units

### Law Elective Units
Elective units of 8 credit points with two hours of contact/work per week or 12 credit points with three hours of contact/work per week.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>Contact Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWBI302</td>
<td>Family Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWBI306</td>
<td>Local Government and Planning Law</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>LWBI307</td>
<td>Insolvency Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWBI308</td>
<td>Industrial Law</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>LWBI309</td>
<td>Succession</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>LWBI312</td>
<td>Land Contracts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWBI313</td>
<td>Discrimination/Equal Opportunity Law</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LWBI351</td>
<td>Aboriginal and Islander Legal Issues</td>
<td>8</td>
<td>2</td>
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<tr>
<td>LWBI353</td>
<td>Advanced Administrative Law</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>LWBI354</td>
<td>Advanced Civil Procedure</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>LWBI356</td>
<td>Advocacy</td>
<td>8</td>
<td>2</td>
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<tr>
<td>LWBI359</td>
<td>Advanced Taxation Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWBI361</td>
<td>Drafting</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>LWBI363</td>
<td>Insurance Law</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>LWBI364</td>
<td>Introduction to Taxation Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWBI366</td>
<td>Law of Commercial Entities</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>LWBI367</td>
<td>Law of Corporate Governance</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWBI406</td>
<td>Fundamentals of Public International Law</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>LWBI407</td>
<td>Conflict of Laws</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWBI410</td>
<td>Restrictive Trade Practices</td>
<td>8</td>
<td>2</td>
</tr>
</tbody>
</table>

15 A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units or courses offered by other Faculties but limitations are imposed on the number of introductory units or courses which may be undertaken. Before undertaking such units or courses, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
LWB412 Research and Writing Project 16 8 2
LWB452 Asian Legal Systems 8 2
LWB454 Banking & Finance Law 8 2
LWB455 Legal Clinic (Individual Planned Exercise) 8 2
LWB456 Legal Clinic (Organised Program) 12 8
LWB458 Consumer Protection 8 2
LWB461 Private Law Remedies 8 2
LWB482 Computers & the Law 8 2
LWB483 Medico-Legal Issues 8 2
LWB485 Environmental Law 8 2
LWB486 Intellectual Property Law 8 2
LWB487 Maritime Law 8 2
LWB492 Securities 12 3

Note: The Law elective unit offerings are accurate at time of publication. The offering of elective units in any semester is dependent upon sufficient minimum enrolments in the unit and availability of staff. Any amendments to unit offerings will be posted on Faculty noticeboards prior to the commencement of Semester 1, 1996.

The law elective units will be offered to internal students as follows:

Semester 1
DAY CLASSES
LWB309 Succession
LWB482 Computers and the Law
LWB485 Environmental Law
LWB492 Securities

EVENING/LATE AFTERNOON CLASSES
LWB302 Family Law
LWB312 Land Contracts
LWB361 Drafting
LWB364 Introduction to Taxation Law
LWB366 Law of Commercial Entities
LWB367 Law of Corporate Governance
LWB406 Fundamentals of Public International Law
LWB410 Restrictive Trade Practices
LWB461 Private Law Remedies
LWB486 Intellectual Property Law

Semester 2
DAY CLASSES
LWB302 Family Law
LWB312 Land Contracts
LWB351 Aboriginal and Islander Legal Issues
LWB359 Advanced Taxation Law
LWB363 Insurance Law
LWB456 Legal Clinic (Organised Program)
LWB487 Maritime Law

EVENING/LATE AFTERNOON CLASSES
LWB306 Local Government and Planning Law
LWB307 Insolvency Law

16 The Research and Writing Project is a one-semester unit offered to a student whenever the Associate Dean of the Faculty is satisfied that sufficient academic staff with the requisite expertise are available within the Faculty to supervise and examine the Project, and that the student has the appropriate academic record and background to undertake the Project, and that there are sufficient Library facilities available. Preference will be given to any student who, at the end of the seventh semester of the full-time course, or at the end of the tenth semester of the part-time course as the case may be, has obtained a grade point average in Law units equal to or greater than that required for the award of the LLB with Honours.

The Project is a paper, normally of 10,000-15,000 words. The paper must be submitted for examination not later than the last day of the teaching semester in which the Project is undertaken.

The Project is deemed to be a one-semester unit with two hours of formal classes a week.
Law elective units will be offered to external students as follows:

Semester 1
- LWB302 Family Law
- LWB312 Land Contracts
- LWB361 Drafting
- LWB364 Introduction to Taxation Law
- LWB366 Law of Commercial Entities
- LWB406 Fundamentals of Public International Law
- LWB410 Restrictive Trade Practices
- LWB486 Intellectual Property Law

Semester 2
- LWB306 Local Government and Planning Law
- LWB307 Insolvency Law
- LWB308 Industrial Law
- LWB309 Succession
- LWB313 Discrimination/Equal Opportunity Law
- LWB351 Aboriginal and Islander Legal Issues
- LWB353 Advanced Administrative Law
- LWB354 Advanced Civil Procedure
- LWB359 Advanced Taxation Law
- LWB363 Insurance Law
- LWB407 Conflict of Laws
- LWB458 Consumer Protection
- LWB487 Maritime Law
- LWB492 Securities

SPECIAL LAW ELECTIVE UNIT
These one-semester Law units are offered internally whenever, in the opinion of the Associate Dean of the Faculty, sufficient academic staff with the requisite expertise in an appropriate unit other than one of those specified above are available in the Faculty, and a sufficient number of students are enrolled in the unit.

The special law elective units offered so far are:

<table>
<thead>
<tr>
<th>Unit</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWB315</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>LWB482</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>LWB483</td>
<td>8</td>
<td>2</td>
</tr>
</tbody>
</table>

Non-Law Elective Units (for students enrolled in LW33)
Students may undertake up to 96 credit points of elective units offered by other Faculties. Students enrolled in a graduate course structure are limited to 48 credit points of non-law elective units. Limitations are imposed on the number of introductory units which may be undertaken.
Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.

- Bachelor of Arts (Justice Studies)/Bachelor of Laws (LW41)

**Location:** Kelvin Grove campus and Gardens Point campus

**Course Duration:** 5 years full-time

**Total Credit Points:** 552

**Standard Credit Points/Full-Time Semester:** 54

**Course Coordinators:**
Justice Studies: Associate Professor Simon Petrie
Law: Professor Malcolm Cope

**Professional Recognition**
For information on the academic requirements of the Solicitors’ or Barristers’ Board of Queensland please refer to the section on professional recognition in the Bachelor of Laws (LW33) entry.

**Course Structure**
In the first three years students study a combination of Justice Studies units and Law units. The final two years of the course are devoted to the study of Law units only.

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JSBO11 Social Issues for Justice Professionals 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSBO12 Communication for Justice Professionals</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSBO14 Introduction to Justice Studies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB130 Introduction to Study in Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB131/1 Law in Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB134 Research and Legal Reasoning</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 1, Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JSBO15 Social Issues for Justice Professionals 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSBO16 Interpersonal Skills for Justice Professionals</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSBO18 Criminology 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB131/2 Law in Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB135 Legislation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 2, Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JSBO21 Criminology 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSBO22 Principles of Criminal Law 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB132/1 Contracts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one unit from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JSBO52 Police Procedure &amp; Practice</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSBO61 Process Theory &amp; Application</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSBO71 Corrections &amp; the Community 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSBO81 Law and Public Policy</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 2, Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JSBO23 Human Dynamics &amp; the Criminal Justice Process 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSBO24 Principles of Criminal Law 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB132/2 Contracts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one unit from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JSBO53 Organised Crime</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSBO62 Protective Security Theory &amp; Application</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
Select one unit from the following:

- JSB054: Issues in Policing
- JSB063: Intelligence Research Issues, Procedures & Practice
- JSB073: Corrections & the Community 3
- JSB083: Administrative Law & Justice

**Year 3, Semester 2**

- JSB033: Human Dynamics & the Criminal Justice Process 2
- JSB034: Justice & Accountability
- LWB133/2: Torts

Select one unit from the following:

- JSB092: Applied Justice Research
- JSB064: Protective Security: Issues & Practice
- JSB074: Corrections & the Community 4
- JSB084: Justice & Human Rights

**Year 4, Semester 1**

- LWB232/1: Criminal Law and Procedure
- LWB231: Introduction to Public Law
- LWB233/1: Property 1
- LWB234/1: Equity and Trusts
- LWB332: Property 2

**Year 4, Semester 2**

- LWB232/2: Criminal Law and Procedure
- LWB235: Australian Federal Constitutional Law
- LWB233/2: Property 1
- LWB234/2: Equity and Trusts
- LWB334: Corporate Law

**Year 5, Semester 1**

- LWB331: Administrative Law
- LWB431: Civil Procedure
- LWB432: Evidence
- Elective Units 17

**Year 5, Semester 2**

- LWB333: Theories of Law
- LWB433: Professional Responsibility
- LWB434: Advanced Research and Legal Reasoning
- Elective Units 17

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**Bachelor of Arts (Justice Studies) (Honours) (JS40)**

In the fields of: Law Enforcement, Intelligence & Security, Corrections and the Community and Legal & Justice Policy.

**Location:** Kelvin Grove campus

**Course Duration:** 1 year full-time, 2 years part-time

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17 A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units or courses offered by other Faculties but limitations are imposed on the number of introductory units or courses which may be undertaken. Before undertaking such units or courses, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.

18 This course is offered subject to University approval.
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr Gayre Christie

Entry requirements
To be eligible to apply for admission an applicant should:

(i) hold a Bachelor of Arts (Justice Studies) three-year degree or equivalent and should have attained a grade point average (GPA) of at least 5.00 on a seven-point scale; or
(ii) have other qualifications, including work experience or involvement in research which may be deemed appropriate. Such candidates may be admitted at the discretion of the Course Coordinator.

Final date for applications for admission to the Honours program is 1 December of the year preceding that for which application is being made.

Course requirements
Students must complete two prescribed units (24 credit points), two units in Professional Studies (24 credit points) and a thesis (48 credit points).

The Course Coordinator, in conjunction with thesis examiners and supervisors, will recommend to the Law Academic Board awards of:

1st Class Honours to students with a grade point average (GPA) of 6.50–7.00;
2nd Class Honours, Division A to students with a GPA of 5.50–6.49;
2nd Class Honours, Division B with a GPA of 4.50–5.49; and
3rd Class Honours to students with a GPA of 4.00–4.49.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSB401 Applied Criminology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSB402 Professional Studies 1&lt;sup&gt;19&lt;/sup&gt;</td>
<td>12</td>
<td>3</td>
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<tr>
<td>JSB403 Professional Studies 2&lt;sup&gt;19&lt;/sup&gt;</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSB404 Thesis</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Year 1, Semester 2</td>
<td>Credit Points</td>
<td>Contact Hrs/Wk</td>
</tr>
<tr>
<td>------------------</td>
<td>---------------</td>
<td>---------------</td>
</tr>
<tr>
<td>JSB405 Justice Organisations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSB406 Thesis</td>
<td>36</td>
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</table>

Part-Time Course Structure

<table>
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<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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</tr>
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<tbody>
<tr>
<td>JSB401 Applied Criminology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSB402 Professional Studies 1&lt;sup&gt;19&lt;/sup&gt;</td>
<td>12</td>
<td>3</td>
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<tr>
<td>Year 1, Semester 2</td>
<td>Credit Points</td>
<td>Contact Hrs/Wk</td>
</tr>
<tr>
<td>------------------</td>
<td>---------------</td>
<td>---------------</td>
</tr>
<tr>
<td>JSB405 Justice Organisations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSB404 Thesis</td>
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<td>3</td>
</tr>
<tr>
<td>Year 2, Semester 1</td>
<td>Credit Points</td>
<td>Contact Hrs/Wk</td>
</tr>
<tr>
<td>------------------</td>
<td>---------------</td>
<td>---------------</td>
</tr>
<tr>
<td>JSB403 Professional Studies 2&lt;sup&gt;19&lt;/sup&gt;</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSB407 Thesis</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Year 2, Semester 2</td>
<td>Credit Points</td>
<td>Contact Hrs/Wk</td>
</tr>
<tr>
<td>------------------</td>
<td>---------------</td>
<td>---------------</td>
</tr>
<tr>
<td>JSB408 Thesis</td>
<td>24</td>
<td>3</td>
</tr>
</tbody>
</table>

<sup>19</sup> Professional Studies 1 and 2 will be drawn from units in JS31 in the following areas: Law Enforcement, Intelligence and Security, Corrections and the Community, Legal and Justice Policy.
Bachelor of Arts (Justice Studies) (JS31)

Location: Kelvin Grove campus

Course Duration: 3 years full-time, 6 years part-time, 4 years external

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Simon Petrie

Course Structure

The course structure comprises the following:

(i) eight Justice Studies core units (96 credit points)
(ii) Justice Studies Major (96 credit points)
(iii) Professional Minor (48 credit points) and either four elective units (48 credit points) or second Professional Minor (48 credit points)

OR

Secondary Major (72 credit points) and two elective units (24 credit points).

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSB011</td>
<td>Social Issues for Justice Professionals</td>
<td>12</td>
</tr>
<tr>
<td>JSB012</td>
<td>Communication for Justice Professionals</td>
<td>12</td>
</tr>
<tr>
<td>JSB013</td>
<td>Law and Government 1</td>
<td>12</td>
</tr>
<tr>
<td>JSB014</td>
<td>Introduction to Justice Studies</td>
<td>12</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSB015</td>
<td>Social Issues for Justice Professionals 2</td>
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<td>JSB063</td>
<td>Intelligence Research -- Issues, Procedures and Practice</td>
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Year 3, Semester 2
JSB033  Human Dynamics and the Criminal Justice Process 2 12 3
JSB034  Justice and Accountability 12 3
Select one of:
JSB092  Applied Justice Research 12 3
JSB064  Protective Security – Issues and Practice 12 3
JSB074  Corrections and the Community 4 12 3
JSB084  Justice and Human Rights 12 3
plus: Elective Unit

Part-time Course Structure

Year 1, Semester 1
JSB011  Social Issues for Justice Professionals 1 12 3
JSB012  Communication for Justice Professionals 12 3

Year 1, Semester 2
JSB015  Social Issues for Justice Professionals 2 12 3
JSB016  Interpersonal Skills for Justice Professionals 12 3

Year 2, Semester 1
JSB013  Law and Government 1 12 3
JSB014  Introduction to Justice Studies 12 3

Year 2, Semester 2
JSB017  Law and Government 2 12 3
JSB018  Criminology 1 12 3

Year 3, Semester 1
JSB021  Criminology 2 12 3
JSB022  Principles of Criminal Law 1 12 3

Year 3, Semester 2
JSB023  Human Dynamics and the Criminal Justice Process 1 12 3
JSB024  Principles of Criminal Law 2 12 3

Year 4, Semester 1
Select one of:
JSB052  Police Procedure and Practice 12 3
JSB061  Process Theory and Application 12 3
JSB071  Corrections and the Community 1 12 3
JSB081  Law and Public Policy 12 3
plus: Elective Unit

Year 4, Semester 2
Select one of:
JSB053  Organised Crime 12 3
JSB062  Protective Security – Theory and Application 12 3
JSB072  Corrections and the Community 2 12 3
JSB082  Legal Rights and Responsibilities 12 3
plus: Elective Unit

Year 5, Semester 1
JSB031  Investigation and Evidence 12 3
JSB032  Alternative Justice Processes 12 3

Year 5, Semester 2
JSB033  Human Dynamics and the Criminal Justice Process 2 12 3
JSB034  Justice and Accountability 12 3
Year 6, Semester 1
Select one of:
JSB054 Issues in Policing 12 3
JSB063 Intelligence Research – Issues, Procedures and Practice 12 3
JSB073 Corrections and the Community 3 12 3
JSB083 Administrative Law and Justice 12 3
plus: Elective Unit

Year 6, Semester 2
Select one of:
JSB092 Applied Justice Research 12 3
JSB064 Protective Security – Issues and Practice 12 3
JSB074 Corrections and the Community 4 12 3
JSB084 Justice and Human Rights 12 3
plus: Elective Unit

Elective Units
JSB051 Introduction to Criminal Law and Evidence 12 3
JSB055 Interprofessional Cooperation 12 3
JSB056 Introduction to Disaster Management 12 3
JSB057 Hazard Analysis & Risk Assessment for Disaster Management 12 3
JSB058 Counter Disaster Planning 12 3
JSB059 Disaster Response Management 12 3
JSB065 Intelligence and National Security 12 3
JSB066 Management of Protective Security 12 3
JSB067 Intelligence, Organisations, Personnel and Operations 12 3
JSB068 Protective Security in Automated Systems 12 3
JSB075 Penology 1 12 3
JSB076 Penology 2 12 3
JSB085 Law and Legal Institutions 12 3
JSB086 Law of Civil Obligations 1 12 3
JSB087 Law of Civil Obligations 2 12 3
JSB088 Criminal Law and Procedure 12 3
JSB091 Research Design & Methodology 20 12 3
JSB093 Indigenous Peoples, Rights and Justice 12 3
JSB094 Victimology 12 3
JSB095 Privacy 12 3
JSB096 Social Psychology and the Justice System 12 3
JSB097 Social Psychology of Justice Organisations 12 3
JSB098 Families and the Justice Domain 12 3

Electives offered subject to availability.

Electives can be taken from other units offered within Justice Studies or the University although limitations are imposed on the number of electives at introductory level which may be undertaken.

External Course Structure

Year 1, Semester 1
JSB022 Principles of Criminal Law 1 12 3
JSB020 Contemporary Issues in Australian Society 2 12 3

Year 1, Semester 2
JSB023 Human Dynamics and the Criminal Justice Process 1 12 3
JSB024 Principles of Criminal Law 2 12 3

Year 2, Semester 1
JSB301 Law of Evidence and Investigation 12 3
JSB302 Ideology, Ethics and Justice 12 3

20 Prerequisite for the Bachelor of Arts in Justice Studies (Honours)
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Contact Justice Studies for details of subsequent years’ unit offerings.

**Pre-enrolment of Commencing Students**

Commencing students have been pre-enrolled in their units for the year. Any student not entering the first year of the course or who has been given credit for one or more of the listed units should strike out the relevant units by ruling a bold line through the unit code and unit name, and then attach a page to their enrolment form listing the different unit to be studied in 1996.

**Bachelor of Arts (Justice Studies) (In-Service) (JS33)**

**Location:** Kelvin Grove campus

**Course Duration:** 3 years full-time, 6 years part-time, 4 years external

**Total Credit Points:** 288

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Associate Professor Simon Petrie

**Course structure**

The structure of the course is identical to that of years 3–6 of the part-time course structure of the Bachelor of Arts (Justice Studies) (JS31).
Policies

- Policy on credit transfer relating to Bachelor-level courses in the Faculty of Science ................................................. 627
- Policy on submission of project reports for assessment ................. 627
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Courses

- Master of Applied Science (SC80) ............................................................... 629
- Master of Applied Science (Medical Physics)
  Master of Applied Science (Medical Ultrasound)
  Master of Applied Science (Medical Imaging)
  Master of Applied Science (Radiation Therapy) (PH80) ......................... 635
- Master of Applied Science (Life Science) (LS80) .................................... 637
- Graduate Diploma in Applied Science (SC71) ........................................ 639
- Graduate Diploma in Applied Science (Medical Physics)
  Graduate Diploma in Applied Science (Medical Ultrasound)
  Graduate Diploma in Applied Science (Medical Imaging)
  Graduate Diploma in Applied Science (Radiation Therapy) (PH71) ........... 639
- Graduate Diploma in Biotechnology (LS70) ........................................... 639
- Bachelor of Applied Science (Honours) (SC60) ....................................... 641
- Bachelor of Applied Science with majors in Biology, Biotechnology, Chemistry, Geology, Mathematics, Microbiology/Biochemistry, Physics (SC30) ................................................................. 643
- Bachelor of Applied Science (Applied Chemistry) (CH32) ....................... 649
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- Bachelor of Applied Science (Medical Laboratory Science) (LS36) ........... 652
- Bachelor of Applied Science (Medical Radiation Technology) (PH38) ........ 654
- Bachelor of Applied Science (Medical Radiation Technology) (PH90) ........ 656
- Associate Degree in Applied Science (Biology)
  Associate Degree in Applied Science (Chemistry) (SC12) ......................... 659
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- Associate Degree in Clinical Techniques (LS12) .................................... 661
Policies

Policy on credit transfer relating to Bachelor-level courses in the Faculty of Science

FROM INCOMPLETE BACHELOR-LEVEL SCIENCE COURSES

Students transferring to a Bachelor degree course offered by the Faculty of Science at QUT from a comparable, partially completed course in a recognised institution may be granted credit towards the QUT award. In general, credit will be granted pro rata; for example, 96 credit points of credit normally will be granted for each year of full-time study (or its equivalent) successfully completed at the other institution. The maximum credit which may be granted is 192 credit points.

Each application for credit towards a Faculty of Science award will be considered individually, on its merits. Students who have successfully completed a year or more of full-time study (or its equivalent) at another institution nevertheless may be required to undertake specific first-level units at QUT. Also, to satisfy the relevant QUT degree rules, some students may have to gain credit totalling more than 288 credit points.

FROM COMPLETED ASSOCIATE DIPLOMA COURSES

Students entering a Bachelor degree course offered by the Faculty of Science at QUT following successful completion of a relevant Associate Diploma course from a recognised institution may be granted credit towards the QUT award. The maximum credit which may be granted is 96 credit points.

Unless the Dean determines otherwise, the credit will be granted as provisional credit. To have the credit confirmed, the student undertakes in the QUT course a program of study of at least 48 credit points and attains a grade point average of not less than 4.0. If, at the conclusion of such a course of study, the student’s grade point average is less than 4.0, the Dean shall determine both the extent to which credit granted conditionally may be retained and the student’s subsequent program of study in the course.

Policy on submission of project reports for assessment

The Science Academic Board has approved the following rules with regard to the completion of project units in all undergraduate and postgraduate courses (including Honours projects):

(i) A student enrolled in a project unit is required to submit the associated project report, dissertation or thesis for assessment by no later than the final day of the examination period for the semester in which the student’s enrolment in that unit will terminate.

(ii) In special circumstances and on the written recommendation of the student’s supervisor, the Dean may grant an extension of time to complete the work associated with the project. The final date for submission of the report after such an extension shall be the last day of the deferred examination period for the semester in which the student’s enrolment in that unit would terminate. In such cases, an ‘A’ result shall be given initially to the student in respect of this unit.

(iii) The Academic Board may grant a further extension of time to complete the work associated with a project, on condition that the student re-enrolls in the project unit for the succeeding semester. Failure to re-enrol in the project unit by the last day of
the deferred examination period for the semester in which, otherwise, the student's enrolment in that unit would terminate will result in a grade of 2 or 1 being awarded in that unit.

Subsequent to the assessment process, the relevant School shall have discretion as to whether a candidate needs to re-enrol to effect any amendments required, or whether such amendments are essentially editorial. However, a student who is required to undertake further investigative work relating to his or her project must continue to be enrolled in the relevant project unit.

Students seeking extensions are advised that late submission of a project report for assessment as indicated in (ii) above may prevent publication of the associated result in time for the student to be included on the graduation list for that semester. Thus course completion and graduate status from the relevant course may be delayed. This could disadvantage students seeking employment or promotion on the basis of the qualification in question.

■ Policy and procedures concerning exemption from practical work

Exemptions from practical work will not normally be granted by Schools in the Faculty. However, where a student wishes to be exempt on the grounds of some extenuating circumstances from the practical component of a unit attempted previously, they must write to the Head of School controlling the unit (or Dean of Faculty in the case of Faculty units), stating the following:

(i) the year in which the unit was previously attempted,

(ii) the total mark/grade obtained for the practical component for the semester, and the maximum possible mark/grade, where known, and

(iii) the circumstances on which the students are basing their application.

Any documentation relevant to these circumstances must be provided with the application.

Students, if required, must submit practical reports, notebooks, field notes, etc. from their previous attempt at the unit. No exemption will be given for practicals where the unit has been attempted more than two years prior to the current enrolment. Students seeking exemption from practical work must do so within two weeks of the commencement of the semester in which the unit is taken.

Heads of School will:

(i) consult with relevant Course/Strand Coordinators and unit lecturers with regard to the application,

(ii) respond to the application in writing, and

(iii) forward a copy of their response to the Course/Strand Coordinator and unit lecturer.

Heads of School will determine individual School policies on exemptions and these may be obtained from the School offices.
Course Structures

■ Master of Applied Science (SC80)

Location: Gardens Point campus

Course Duration: 2 years full-time, 4 years part-time

Total Credit Points: 192

Course Coordinator: Dr Don Field

Entry Requirement: Bachelor of Applied Science

The objectives of this course are:

• to provide postgraduate educational opportunities in specialised fields of applied science by means of a program which involves either an original contribution to knowledge or an original application of existing knowledge

• to provide education in research methods

• to enable graduates employed in industry to undertake further education by a combination of coursework, research and thesis

• to expand the involvement of students employed in industrial organisations and external agencies in undertaking relatively short-duration applied research or investigation.

1. General Conditions

1.1 The Council of the Queensland University of Technology was established in 1989 under the Queensland University of Technology Act 1988.

1.2 The Council's power to approve recommendations from Faculty academic boards regarding the registration, supervision and examination of research degree candidates and to develop policy and procedure relating to research degrees is exercised through a Research Management Committee which shall be a subcommittee of Academic Committee.

1.3 Research Management Committee has delegated responsibility for day-to-day administration of research Masters degree courses to Faculty academic boards. Academic boards shall report semiannually to the Research Management Committee on progress made by research Masters degree candidates.

1.4 Unless the context otherwise indicates or requires, the words 'academic board' and 'faculty' shall refer to the Faculty in which the candidate registers.

1.5 In order to qualify for the award of the degree of Master of Applied Science, a candidate must:

• have completed the approved course of study under the supervision prescribed by the Academic Board

• have submitted, and the Academic Board have accepted, a thesis prepared under the supervision of the supervisor

• have completed any other work prescribed by the Academic Board, and

• submit to the Academic Board a declaration signed by the candidate that he/she has not been a candidate for another tertiary award without permission of the Academic Board during the term of enrolment.

2. Registration

2.1 Applications shall be accepted subject to the availability of facilities and supervision.
2.2 Applications may be lodged with the Registrar at any time.

2.3 The minimum academic qualifications for admission to a program leading to a Master of Applied Science shall be:

- possession of a Bachelor degree in applied science from the Queensland University of Technology, or
- possession of an equivalent qualification, or
- submission of such other evidence of qualifications as will satisfy the Academic Board that the applicant possesses the capacity to pursue the course of study.

2.4 Additional requirements for admission to a particular program may be laid down by the Academic Board.

2.5 In considering an applicant for registration the Academic Board shall, in addition to assessing the applicant’s suitability, assess the proposed program and its relevance to the aims and objectives of the University.

2.6 A candidate may register either as a full-time or as a part-time student.

2.6.1 To be registered as a full-time student, a candidate must be able to commit to the course not less than three-quarters of a normal working week, averaged over each year of candidacy. Such a student may not devote more than 300 hours annually to teaching activities, including preparation and marking.

2.6.2 A candidate who is unable to devote to the course the proportion of time specified in Section 2.6.1 may register as a part-time student.

2.7 A candidate may be internal or external. An external candidate is one whose program of research and investigation is based at a place of employment or sponsoring institution. Normally, support of the sponsoring institution for the candidate’s application is required for a registration.

2.8 The Academic Board may cancel a candidate’s registration if, after consulting a candidate’s supervisors and having taken account of all relevant circumstances, the Academic Board is of the opinion that the candidate either has effectively discontinued his/her studies or has no reasonable expectation of completing the course of study within the maximum time allowed (see Section 4).

2.9 A candidate whose registration has lapsed or has been cancelled and who wishes subsequently to re-enter the course to undertake a program which is the same or essentially the same as the previous program may be re-admitted under such conditions as the Academic Board may prescribe.

3. Course of Study

3.1 A candidate for the degree of Master of Applied Science shall undertake a program of research and investigation on a topic approved by the Academic Board. All projects should be sponsored either by outside agencies such as industry, government authorities, or professional organisations, or by the University itself.

3.2 The program must be such as to enable to candidate to develop and demonstrate a level of scientific competence significantly higher than that expected of a first degree graduate. The required competence normally would include mastery of relevant techniques, investigatory skills, critical thinking, and a high level of knowledge in the specialist area.

3.3 The program includes both coursework and research.

The coursework is a program of up to 64 credit points as defined in 3.5 and 3.6 as appropriate for each candidate.
The research component is a program of supervised research and investigation of at least 128 credit points as described in 3.1 and 3.2.

3.4 The student's progress will be monitored continually throughout the first 96 credit points of the course. Where the School Research Committee, on the advice of the supervisors, is of the opinion that progress is not satisfactory, the student will be advised to consider transferring his/her enrolment to the SC71 Graduate Diploma in Applied Science course.

3.5 Coursework at Masters level may be conducted in a number of ways such as:

- advanced lecture courses
- seminars in which faculty and students present critical studies of selected problems within the subject field
- independent study or reading courses

In all cases, coursework is based upon a formal syllabus setting out the educational outcomes expected from the course, a list of topics to be covered, the prescribed reading material and the method of assessment of progress through and at the end of the course.

3.6 A candidate shall be required to participate in and present seminars as considered appropriate by the Principal Supervisor. The candidate shall be notified of minimum attendance requirements at the time of acceptance of enrolments.

3.7 Students entering the course with an Honours degree or its equivalent or candidates with substantial relevant work experience normally gain exemptions to a maximum of 96 credit points at the discretion of the Academic Board on the recommendation of the Head of School.

3.8 Students entering the course with a Graduate Diploma may gain exemption to a maximum of 96 credit points at the discretion of the Academic Board on the recommendation of the Head of School.

3.9 An application for registration should set out the candidate's intended course of study in broad outline but with specific objectives for the first year. The description should include the area of study within which the candidate's course lies, the coursework to be undertaken and the proposed title of the thesis to be written.

At an appropriate time during the first year of full-time study or its equivalent the candidate must document and have approved by Academic Board on the recommendation of the Head of School a detailed course of study for the entire program. This description must include in addition to the proposed thesis title, the aim of the proposed program of research and investigation, its background, the significance and possible application of the research program, and the research plan.

4. Period of Time for Completion of Course of Study

4.1 A full-time candidate who does not hold an Honours degree appropriate to the course of study will normally be required to complete both course and research work, including submission of the thesis for examination during a period of registration of 24 months. The corresponding period in the case of a part-time candidate shall be 48 months. In special cases the Academic Board may approve a shorter period.

4.2 A holder of an Honours degree or its equivalent appropriate to the course of study may submit the thesis for examination after not less than 12 months of registration if a full-time student, or 24 months if a part-time student. In special cases the Academic Board may approve a shorter period.
4.3 Where application is made for permission to extend the period within which the candidate may submit a thesis for examination, details of the candidate's progress shall be presented to the Academic Board together with the reasons for the delay in completing the work and the expected date of completion. Where the Academic Board agrees to an extension, it may set a limit to the maximum period of registration in the program.

5. Transfer of Registration

5.1 Where a candidate has undertaken part of a proposed course of study as a registered student in another institution, this period of registration may, on application in writing to the Academic Board, be counted towards the candidate's period of registration in the QUT course. The application must include details of the work already undertaken, the reasons for the transfer and the expected date of completion.

5.2 Applications for transfer normally should be submitted at least 12 months in advance of the probable date of submission of the thesis.

6. Supervision

6.1 For each candidate, the Academic Board shall appoint one or more supervisors with appropriate experience. Where more than one supervisor is appointed, one shall be nominated as the Principal Supervisor and the others as Associate Supervisors.

6.2 In the case of an internal student, the Principal Supervisor normally shall be from the academic staff of the school where the student carries out the work.

6.3 In the case of an external student, the Principal Supervisor normally shall be from the academic staff of the school supporting the work and at least one Associate Supervisor shall be from the sponsoring organisation.

6.4 At the end of each six-month period a student shall submit a report on the work undertaken to the Principal Supervisor and the Principal Supervisor shall submit a report to the Academic Board on the student's work. This report shall be seen by the candidate before submission to the Academic Board.

7. Place and Conditions of Work

7.1 The research program is carried out under supervision in a suitable environment normally in Australia.

7.2 The Academic Board shall not admit a candidate to undertake a program of research based at the University unless it has received a statement from the Head of School in which the study is proposed that, in their opinion, the applicant is a fit person to undertake a research program leading to the Masters degree, that the program is supported, and that the School/Centre is willing to undertake the responsibility of supervising the applicant's work.

7.3 The Academic Board shall not admit a candidate to undertake a research program based at a sponsoring establishment unless it has received:

- a statement from the employer or director of the sponsoring institution that the applicant will be provided with facilities to undertake the research project and that they are willing to accept responsibility for supervising the applicant's work, and

- a statement from the Head of School or the Director of the Centre in which the study is proposed that, in their opinion, the applicant is a fit person to undertake a research program leading to the Masters degree, that the program is supported, and that after examination of the proposed external facilities and supervision, the school is willing to accept the responsibility of supervising the work.
8. Thesis

8.1 In the form of presentation, availability and copyright, the thesis shall comply with the provisions of the document Requirements for Presenting Theses.

8.2 The candidate’s application for registration should set out the intended course of study in broad outline but with specific objectives for the first year. The description should include the area of study within which the candidate’s course lies, the coursework to be undertaken and the proposed title of the thesis to be written.

At an appropriate time during the first year of full-time study or its equivalent the candidate must document and have approved by Academic Board on the recommendation of the relevant Head of School a detailed course of study for the entire program. This description must include in addition to the proposed thesis title, the aim of the proposed program of research and investigation, its background, the significance and possible application of the research program, and the research plan.

The candidate shall give two months’ notice of intention to submit the thesis. Such notice shall be accompanied by the appropriate fee, if any.

8.3 The thesis shall comply with the following requirements:

- A significant portion of the work described must have been carried out subsequent to initial registration for the degree.
- It must describe a program of work carried out by the candidate, and must involve either an original contribution to knowledge or an original application of existing knowledge.
- It must reach a satisfactory standard of literary presentation.
- It shall be the candidate’s own account of the work. Where work is carried out jointly with other persons, the Academic Board shall be advised of the extent of the candidate’s contribution to the joint work.
- The thesis shall not contain as its main content any work or material which the student has previously submitted for another degree or similar award.
- Supporting documents, such as published papers, may be submitted with the thesis if they have a bearing on the subject of the thesis.
- The thesis shall contain an abstract of not more than 300 words.

8.4 Except with the specific permission of the Academic Board, the thesis must be presented in the English language. Such permission must be sought at the time of application for registration, and will not be granted solely on the grounds that the candidate’s ability to satisfy the examiners will be affected adversely by the requirement to present the thesis in English.

8.5 Subject to QUT’s Intellectual Property policy, the copyright of the thesis is vested in the candidate.

8.6 Where a candidate or the sponsoring establishment wishes the thesis to remain confidential for a period of time after completion of the work, application for approval must be made to the Academic Board when the thesis is submitted. The period of confidentiality normally shall not exceed two years from the date on which the examiners recommend acceptance of the thesis, during which time the thesis will be held on restricted access in the QUT Library.

9. Examination of Thesis

9.1 The Academic Board shall appoint at least two examiners, of whom at least one shall be from outside the University. Normally examiners will be required to agree to read and report upon the thesis within two months of its receipt.
9.2 A candidate may be required to make an oral defence of the thesis.

9.3 On receipt of satisfactory reports from the examiners, and when the provisions of 7.1 have been fulfilled, the Academic Board shall recommend to Academic Committee that the candidate be awarded the degree.

9.4 If the examiners’ reports are conflicting, the Academic Board may, after appropriate consultation with the Principal Supervisor, seek advice from a further external examiner.

9.5 If, on the basis of the examiners’ reports, the Academic Board does not recommend that the degree be awarded, then it shall:

☐ permit the student to resubmit the thesis within one year for re-examination, or
☐ cancel the student’s registration.

If a candidate is required to revise and resubmit a thesis, the examiners’ reports will be made available to the candidate, the anonymity of the examiners being maintained.

9.6 After the examination process is complete, examiners’ reports are to be made available to the candidate on request. The names of examiners will be released on request providing the examiner has indicated willingness to have his/her identity revealed to the candidate.

Course Structure

COURSEWORK

The unit IFNO01 Advanced Information Retrieval Skills (4 credit points) should normally be included.

The coursework units for individual strands are as follows. All the units shown on these two pages are units designed for this course.

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<td>CHEMISTRY STRAND</td>
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</tbody>
</table>
CHN701 Topics in Advanced Chemistry 1 12  
CHN801 Topics in Advanced Chemistry 2 12  
CHN705 Research Methodology 12  
Elective Units: Two of:  
CHN710 Chemical Instrumentation 12  
CHN720 Chemometrics 12  
CHN730 Advanced Physical Methods in Chemistry 12  
CHN740 Laboratory Techniques for Preparative Chemistry 12  
GEOLOGY STRAND
Selections from the following and other programs, depending on background and research area:  
ESNI10 Advanced Topics in Earth Science 1 12  
ESN130 Computer Applications in Earth Science 12  
ESN140 Research Methodology 1 12  
ESN160 Seminars 12  
ESN170 Literature Survey 12  
LIFE SCIENCE STRAND
Students are normally expected to complete the following:  
LSN011 Research Seminars in Life Science 1 6  
LSN023 Research Seminars in Life Science 3 12  
LSN013 Readings in Life Science 3 24  
Selections from other programs to a maximum of 18 credit points.  
MATHEMATICS STRAND
Selections from other School programs and:  
MAN001 Reading Course 1 12  
MAN002 Reading Course 2 12  
to a maximum of 60 credit points
PHYSICS STRAND
PHN715  Advanced Topics in Physics 1  12
PHN716  Advanced Topics in Physics 2  12
Selections from other programs to 36 credit points.

RESEARCH WORK
At least 128 credit points of Masters research

■ Master of Applied Science (Medical Physics)
■ Master of Applied Science (Medical Ultrasound)
■ Master of Applied Science (Medical Imaging)
■ Master of Applied Science (Radiation Therapy) (PH80)

Location: Gardens Point campus

Course Duration: 2 years full-time, 4 years part-time (plus Summer School, except for Medical Physics students)

Total Credit Points: 192 – Medical Physics; 204 – Medical Ultrasound, Medical Imaging, Radiation Therapy

Standard Credit Points/Full-Time Semester: 48

Course Coordinators:
Medical Physics Major: Dr Tim van Doorn
Medical Ultrasound Major: Ms Margo Harkness
Medical Imaging Major: Mr Brian Starkoff
Radiation Therapy Major: Associate Professor Brian Thomas

Entry Requirements
This program commences in February each year. Applications are to be made prior to 1 December in the preceding year.

MEDICAL PHYSICS MAJOR
To be eligible to enrol for the Medical Physics Major, an applicant must have completed an acceptable tertiary course with a major in Physics.

Applicants with other qualifications (e.g. Engineering) may be enrolled subject to the approval of the Head of the School of Physics. In some instances, a bridging program may be necessary.

MEDICAL ULTRASOUND, MEDICAL IMAGING, AND RADIATION THERAPY MAJORS
To be eligible to enrol in the Medical Ultrasound or Medical Imaging Major, an applicant will normally be qualified as a diagnostic radiographer (or medical imaging technologist) at degree or diploma level for the Medical Ultrasound Major, or degree level for the Medical Imaging major, and have a minimum of two years’ experience in clinical practice.

To be eligible to enrol in the Radiation Therapy Major, an applicant will normally be qualified as a Radiation Therapist at degree or diploma level and have had a minimum of two years’ experience in clinical practice.

Applicants with other qualifications (e.g. in paramedical or physical sciences), and appropriate experience, may be permitted to enrol subject to the approval of the Head of the School of Physics. In some instances, a bridging program may be necessary.

Applicants must also demonstrate, in writing, that access to suitable clinical experience will be available for the duration of the course.
Course Requirements

MEDICAL PHYSICS MAJOR
To complete Stage 1, students must complete units from the list below, totalling 96 credit points. Units available to students in the Medical Physics Major are indicated by C and MP.

In Semester 2, students may select either PHN213 Biomechanics/Physiological Measurement or PHN214 Health and Occupational Physics for a total of 48 credit points (FT).

MEDICAL ULTRASOUND MAJOR
To complete Stage 1, students must complete units from the list below, totalling 108 credit points. Units available to students in the Medical Ultrasound Major are indicated by C, C+ and MU.

MEDICAL IMAGING MAJOR
To complete Stage 1, students must complete units from the list below, totalling 108 credit points. Units available to students in the Medical Imaging Major are indicated by C, C+ and MI.

RADIATION THERAPY MAJOR
To complete Stage 1, students must complete units from the list below, totalling 108 credit points. Units available to students in the Radiation Therapy Major are indicated by C, C+ and RT.

Student progress will be monitored continually throughout Stage 1 of the course. Where the Head of School, on the advice of Course Coordinators, is of the opinion that progress is not appropriate, the student will be advised to consider transferring his/her enrolment to the PH71 Graduate Diploma in Applied Science (Medical Physics/Medical Imaging/Medical Ultrasound/Radiation Therapy).

<table>
<thead>
<tr>
<th>Stage 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
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<tr>
<td>LSB142 Human Anatomy &amp; Physiology (MP)</td>
<td>12</td>
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<tr>
<td>LSN159 Advanced Pathology (C+)</td>
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<tr>
<td>PHN112 Medical Imaging Science (MP)</td>
<td>12</td>
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</tr>
<tr>
<td>PHN113 Radiation Physics (MP/MI)</td>
<td>12</td>
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<tr>
<td>PHN114 Microprocessors &amp; Instrumentation (MP)</td>
<td>12</td>
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<tr>
<td>PHN155 Ultrasonic Examination in Obstetrics/Gynaecology (MU)</td>
<td>6</td>
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<tr>
<td>PHN156 Ultrasonic Examination of the Abdomen (MU)</td>
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<tr>
<td>PHN162 Principles of Medical Ultrasound (MU/MI)</td>
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<tr>
<td>PHN171 Advanced Oncological Imaging (RT)</td>
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<tr>
<td>PHN173 Advanced Radiotherapy Technique (RT)</td>
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<tr>
<td>PHN181 Principles of Medical Image Processing (MI/RT)</td>
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<tr>
<td>PHN182 Computer Tomography (MI)</td>
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<td>PHN183 Nuclear Medicine (MI)</td>
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<tr>
<td>PHN184 Breast Imaging (MI)</td>
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<tr>
<td>PHN197 Clinical Attachment 1 (C+)</td>
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<td><strong>Second Semester</strong></td>
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<tr>
<td>PHN211 Medical Imaging (MP)</td>
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<tr>
<td>PHN212 Radiotherapy (MP)</td>
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<td>4</td>
</tr>
<tr>
<td>PHN213 Biomechanics/Physiological Measurement (MP)</td>
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<td>4</td>
</tr>
<tr>
<td>PHN214 Health &amp; Occupational Physics (MP)</td>
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<td>4</td>
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<tr>
<td>PHN216 Medical &amp; Health Technology Management (C)</td>
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<tr>
<td>PHN217 Research Methodology (C)</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>PHN271 Principles of Oncology (RT)</td>
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<td>4</td>
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<tr>
<td>PHN272 Brachytherapy (RT)</td>
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</tr>
</tbody>
</table>

1 Full-year subject, continues semester 2.
The units PHN216 Medical and Health Technology Management and PHN217 Research Methodology are compulsory for students in all majors. Units LSN159 Advanced Pathology, PHN291 Medical Diagnosis, PHN197 Clinical Attachment 1, PHN297 Clinical Attachment 2, and PHN397 Clinical Attachment 3 are compulsory for students in the Medical Ultrasound, Medical Imaging and Radiation Therapy Majors. Each clinical attachment unit involves a minimum of 240 hours of clinical experience. Students must successfully complete these units in the order PHN197, PHN297 and PHN397 unless special permission is granted.

Stage 2

Project Over Two Semesters

PHN520/1/2

Credit Points: 96

Project Over Four Semesters

PHN540/1/2/3/4

96

Note: A student may request an extension of time in which to submit the project report for assessment. A request for an extension of time up to a maximum of six months shall be made in writing through the Head of School to the Dean. Any request for a further extension, or any request for an extension to a date later than six months after the original due date, shall be made in writing to the Academic Board. The Academic Board may grant the extension under such conditions as it may consider appropriate, or may award the student a ‘Fail’ result in the project unit.

A student who has received a ‘Fail’ result in the project unit may re-enrol in the unit only in exceptional circumstances and with the express permission of the Academic Board.

Master of Applied Science (Life Science) (LS80)

Location: Gardens Point campus

Course Duration: 1.5 years full-time, 3 years part-time

Total Credit Points: 144

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr David Allen

Entry Requirements

Applicants shall hold a Bachelor of Applied Science with a GPA of 5.0 (on a seven-point scale) or better in the appropriate discipline for which they are seeking admission.

Applicants may be required to attend an interview with the Head of School and/or Course Coordinator to establish suitability for entrance into the course.

Graduates of the Graduate Diploma in Biotechnology (LS70) with a GPA of 5.0 or better (on a seven-point scale) will be eligible for entry into the course with a credit for 96 credit points.
Applicants who do not hold the specific tertiary qualification required of normal entrants may be admitted upon successful completion of a qualifying program prescribed by the Head of School.

**Special Course Requirements**

Students should consult the Course Coordinator regarding their programs.

Students must select two disciplinary specialisation elective units.

For part-time students, the project (dissertation) is normally carried out in the employer’s laboratory. The employer’s written permission is required.

**Note:** This course commences in mid-year.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSB637 Molecular Genetics</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>LSN102 Cellular Basis of Disease</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSN110 Molecular Basis of Disease</td>
<td>12</td>
<td>3</td>
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<tr>
<td>Specialist Elective, select one from the following:</td>
<td></td>
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</tr>
<tr>
<td>LSN510 Clinical Biochemistry 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSN511 Haematology 1</td>
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<tr>
<td>LSN512 Histopathology 1</td>
<td>12</td>
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<tr>
<td>LSN515 Microbiology 1</td>
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<td>LSN517 Immunology 1</td>
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<td>3</td>
</tr>
<tr>
<td>LSN518 Diagnostic Cytology 1</td>
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<table>
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<tr>
<th>Year 2, Semester 1</th>
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<tbody>
<tr>
<td>HRN104 Introduction to Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSN150 Ethics and Life Science</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSP735 Human Molecular Biology</td>
<td>12</td>
<td>5</td>
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<tr>
<td>Specialist Elective, select one from the following:</td>
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<tr>
<td>LSN610 Clinical Biochemistry 2</td>
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<td>LSN611 Haematology 2</td>
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<td>3</td>
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<tr>
<td>LSN612 Histopathology 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSN615 Microbiology 2</td>
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<td>LSN617 Immunology 2</td>
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<td>LSN618 Diagnostic Cytology 2</td>
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<th>Year 2, Semester 2</th>
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<tbody>
<tr>
<td>LSN710 Project</td>
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### Part-Time Course Structure

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<tbody>
<tr>
<td>LSN102 Cellular Basis of Disease</td>
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<td>3</td>
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<tr>
<td>LSN110 Molecular Basis of Disease</td>
<td>12</td>
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<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HRN104 Introduction to Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSN150 Ethics and Life Science</td>
<td>12</td>
<td>3</td>
</tr>
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<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>LSB637 Molecular Genetics</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>Specialist Elective, select one from the following:</td>
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<td></td>
</tr>
<tr>
<td>LSN510 Clinical Biochemistry 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSN511 Haematology 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSN512 Histopathology 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSN515 Microbiology 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSN517 Immunology 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSN518 Diagnostic Cytology 1</td>
<td>12</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Year 3, Semester 1</th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LSP735 Human Molecular Biology</td>
<td>12</td>
<td>5</td>
</tr>
</tbody>
</table>
Specialist Elective, select one from the following:
LSN610 Clinical Biochemistry 2
LSN611 Haematology 2
LSN612 Histopathology 2
LSN615 Microbiology 2
LSN617 Immunology 2
LSN618 Diagnostic Cytology 2

Year 3, Semester 2
LSN711 Project 1

Year 4, Semester 1
LSN712 Project 2

Graduate Diploma in Applied Science (SC71)

Location: Gardens Point campus
Course Duration: 1 year full-time, 2 years part-time
Total Credit Points: 192
Average Credit Points/Full-Time Semester: 48
Course Coordinator: Dr Don Field
Entry Requirement: Bachelor of Applied Science or equivalent

Course Structure
Candidates for the degree of Graduate Diploma in Applied Science shall undertake a program of coursework, or coursework and minor research project, as approved by the Academic Board on the advice of the Head of School.

Students must complete a total of 96 credit points which may consist of:
- at least 60 and up to a maximum of 96 credit points of coursework, and
- up to 36 credit points as a minor research project.

Coursework units will be selected from the specific units available within the SC80 MAppSc course and may contain units selected from other postgraduate courses or advanced undergraduate courses where the background of the student requires this.

Graduate Diploma in Applied Science (Medical Physics)
Graduate Diploma in Applied Science (Medical Ultrasound)
Graduate Diploma in Applied Science (Medical Imaging)
Graduate Diploma in Applied Science (Radiation Therapy) (PH71)

No enrolments are accepted directly into this course. For details see the section Course Requirements for Master of Applied Science (Medical Physics), Master of Applied Science (Medical Ultrasound), Master of Applied Science (Medical Imaging), and Master of Applied Science (Radiation Therapy) (PH80).

Graduate Diploma in Biotechnology (LS70)

Location: Gardens Point campus
Course Duration: 1 year full-time, 2 years part-time
Total Credit Points: 96
Standard Credit Points/Part-Time Semester: 24

Course Coordinator: Dr Peter Timms

Entry Requirements

NORMAL ENTRY
To be eligible for entry to the Graduate Diploma in Biotechnology, an applicant must have completed an appropriate degree in a relevant science area. Some background in biochemistry is essential.

SPECIAL ENTRY
Applicants who do not hold the tertiary qualifications required for normal entry may be eligible for admission if they have completed a diploma or degree in another appropriate non-science area as determined by the Head of School, and are employed in the biotechnology area.

Note: This course commences in mid-year.

**Full-Time Course Structure (commencing students)**

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
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<tbody>
<tr>
<td>LSB637 Molecular Genetics</td>
<td>12</td>
<td>5</td>
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<tr>
<td>Select three from the following:</td>
<td></td>
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<tr>
<td>CHP220 Principles of Bioprocessing</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>LSB607 Biochemical Separations</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>LSB617 Plant Tissue Culture 2</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>LSN102 Cellular Basis of Disease</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LSN110 Molecular Basis of Disease</td>
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<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>LSP127 Business Aspects of Biotechnology</td>
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<td>Select three from the following:</td>
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<tr>
<td>CHP420 Bioprocess Engineering Laboratory</td>
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<tr>
<td>HRN104 Introduction to Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSB517 Plant Tissue Culture 1</td>
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<tr>
<td>LSN150 Ethics &amp; Life Science</td>
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<td>LSP735 Human Molecular Biology</td>
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<td>LSP737 Plant &amp; Animal Molecular Biology</td>
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**Part-Time Course Structure (commencing students)**

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<tbody>
<tr>
<td>LSB607 Biochemical Separations</td>
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<td>LSB637 Molecular Genetics</td>
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<th>Year 1, Semester 1</th>
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<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>LSP127 Business Aspects of Biotechnology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSP735 Human Molecular Biology</td>
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<th>Year 2, Semester 2</th>
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<th>Contact Hrs/Wk</th>
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<tr>
<td>CHP220 Principles of Bioprocessing</td>
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<tr>
<td>LSB617 Plant Tissue Culture 2</td>
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<td>5</td>
</tr>
<tr>
<td>LSN102 Cellular Basis of Disease</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSN110 Molecular Basis of Disease</td>
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<td>3</td>
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<tr>
<th>Year 2, Semester 1</th>
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<tr>
<td>Select three from the following:</td>
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<tr>
<td>CHP420 Bioprocess Engineering Laboratory</td>
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<tr>
<td>HRN104 Introduction to Management</td>
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<td>3</td>
</tr>
<tr>
<td>LSB517 Plant Tissue Culture 1</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>LSN150 Ethics &amp; Life Science</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSP737 Plant &amp; Animal Molecular Biology</td>
<td>12</td>
<td>5</td>
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</tbody>
</table>
Bachelor of Applied Science (Honours) (SC60)


Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Don Field

Entry Requirements

To be eligible for admission, students should have completed QUT's Bachelor of Applied Science (SC30, CH32, LS36 or MA34) or equivalent and should have attained a grade point average (GPA) of at least 5.0 over that degree, including grades of at least credit (5) in all units directly relevant to the proposed Honours program. Application for admission should normally be made at the end of the pass degree, or within 18 months of completing that degree.

Applicants who do not satisfy the above conditions but who have demonstrated outstanding performance in only the final year of a degree, or whose application is based on other factors including work experience or involvement in research, may be admitted at the discretion of the Dean.

Please note that for the Mathematics major, other degrees with major studies in Mathematics (including Statistics) may provide suitable entry to the program.

Course Structure

The Honours program comprises 96 credit points. The course structure depends on the major and may vary slightly from one student to another, depending on the program and particular units chosen.

The general course structure consists of a project (see below) and units or advanced topics chosen from the program of the selected major. The unit IFN001 Advanced Information Retrieval Skills may also be included.

Part-time candidates annually undertake approximately half of the full-time program. Classes are held at the same times as for full-time students and thus may involve some day release from employment.

Students should consult the Course Coordinator concerning the availability of units and selection of units for their major.

Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CHB700/1 Research Project</td>
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<tr>
<td>CHB701/1 Complementary Studies for Chemists</td>
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</tr>
<tr>
<td>CHB780/1 Advanced Topics in Chemistry 1</td>
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</tr>
<tr>
<td>IFN001 Advanced Information Retrieval Skills</td>
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<tr>
<td>Elective Unit</td>
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<tr>
<th>Semester 2</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>CHB700/2 Research Project</td>
<td>24</td>
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<tr>
<td>CHB701/2 Complementary Studies for Chemists</td>
<td>4</td>
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</tr>
<tr>
<td>CHB780/2 Advanced Topics in Chemistry 1</td>
<td>12</td>
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<tr>
<td>Elective Unit</td>
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</tbody>
</table>
Elective units are chosen from a selection of Chemistry and other relevant disciplines.

**GEOLOGY MAJOR**

**Semester 1**
- ESB700/1 Project 24
- ESB701/1 Geology Reviews 6 3
- ESB705/1 Complementary Studies 6 3
- ESB704 Advanced Studies in Earth Science 20
- IFN001 Advanced Information Retrieval Skills 4 2

**Semester 2**
- ESB700/2 Project 24
- ESB701/2 Geology Reviews 6 3
- ESB702/2 Complementary Studies 6 2

**LIFE SCIENCE MAJOR** (subject to approval)

**Semester 1**
- LSB723/1 Readings in Life Science I 10
- LSB825/1 Project 28
- IFN001 Advanced Information Retrieval Skills 4 2

**Semester 2**
- LSB722 Research Strategies 16
- LSB723/2 Readings in Life Science I 10
- LSB825/2 Project 28

**MATHEMATICS MAJOR**

**Semester 1**
- MAB989/1 Project 18
  - Three units selected from the list below 36

**Semester 2**
- MAB989/2 Project 18
  - Two units selected from the list below 24

Students may take two elective units in Semester 1 and three in Semester 2 with the approval of the Course Coordinator.

**Mathematics Elective Units**

Five units are to be selected over the two semesters (not all units may be available).

- ITB548 Introduction to Cryptology 12 3
- ITB549 Error Control and Data Compression 12 3
- ITN556 Advanced Topics in Cryptology 12 3
- MAB906 Topics in Analysis 12 4
- MAB912 Continuum Modelling 12 4
- MAB913 Computational Mathematics 3B 12 4
- MAB929 Time Series & Statistical Forecasting 12 4
- MAB970 Probability Theory & Stochastic Processes 12 4
- MAB971 Advanced Mathematics of Finance 12 4
- MAB973 Partial Differential Equations 12 4
- MAB974 Sampling & Survey Techniques 12 4
- MAB975 Ordinary Differential Equations & Chaos 12 4
- MAB976 Reliability & Survival Analysis 12 4
- MAB977 Scheduling & Networks 12 4
- MAB978 Statistical Signal Processing & Image Analysis 12 4
- MAB979 Statistical Modelling & Data Analysis 12 4
- MAB981 Applied Statistical Inference & Experimentation 12 4
- MAB984 Actuarial Statistics 12 4
- MAB985 Computational Mathematics 4 12 4
- MAB986 Mathematical Modelling of Industrial Processes 12 4
- MAB987 Optimisation of Controlled Processes 12 4
- MAN012 Advanced Studies 12 4
PHYSICS MAJOR

**Semester 1**

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<thead>
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<th>Credits</th>
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**Semester 2**

<table>
<thead>
<tr>
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<tbody>
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<td>PHB705/2</td>
<td>Project</td>
<td>24</td>
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<tr>
<td></td>
<td>Physics Elective Unit</td>
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<td></td>
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**Physics Elective Units**

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<td>PHB706</td>
<td>Quantum Mechanics</td>
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<tr>
<td>PHB707</td>
<td>Advanced Materials</td>
<td>12</td>
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<tr>
<td>PHB708</td>
<td>Advanced Topics in Physics</td>
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<tr>
<td>PHN112</td>
<td>Medical Imaging Science</td>
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<td>PHN113</td>
<td>Radiation Physics</td>
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<tr>
<td>PHN114</td>
<td>Microprocessors &amp; Instrumentation</td>
<td>12</td>
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<td>PHN211</td>
<td>Medical Imaging</td>
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<td>PHN214</td>
<td>Health and Occupational Physics</td>
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<tr>
<td>PHN212</td>
<td>Radiotherapy</td>
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**Bachelor of Applied Science (SC30)**

With majors in: Biology, Biotechnology, Chemistry, Geology, Mathematics, Microbiology/Biochemistry, and Physics

**Location:** Gardens Point campus

**Course Duration:** 3 years full-time, 6 years part-time

**Total Credit Points:** 288

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Dr Don Field

**Course Rules**

1. A student may enrol as either a full-time or a part-time student. A full-time student is one who is enrolled in 36 or more credit points per semester. A part-time student is one who is enrolled in less than 36 credit points in the semester.

2. All commencing students and certain continuing students are required to attend scheduled academic advising sessions to plan their progression through the course, and to obtain the approval of an academic adviser prior to effecting any change of enrolment.

3. Students are normally expected to complete the course in minimum time. A full-time student enrolls in an average of 48 credit points per semester for six semesters and a part-time student enrolls in an average of 24 credit points per semester for 12 semesters.

4. To fulfill the requirements for the award of the degree, a student must complete units totalling at least 288 credit points, comprising major and minor studies, and supporting units. Major and minor studies are defined in terms of the discipline and the academic level at which units are offered:

   (i) A major must be completed in one of the following discipline areas: biology, biotechnology, chemistry, mathematics, geology, microbiology/biochemistry, or physics. Completion of a major consists of passing units totalling at least 120 credit points from the second and third schedules, including a minimum of 48 credit points at third level. The general requirements for each major are set out after the Course Rules.
(ii) A minor must be completed and may be undertaken in any approved subject area within the University. Completion of a minor consists of passing units totalling at least 48 credit points from units at advanced level.

Major and minor studies may be undertaken in the same or in closely related discipline areas.

5. A registered student who has successfully completed the equivalent of the first and second years of the standard full-time course, normally with a grade point average (GPA) of not less than 4.5 overall, may, at the discretion of the Cooperative Education Program Coordinator, undertake the Cooperative Education Program.

This involves 10-12 months of paid full-time employment in an approved industrial/commercial environment during which time the student is enrolled in the unit SCB100 Cooperative Education. On completion of the approved cooperative education placement the student resumes formal studies.

Notes on the Rules

(i) First, second and third level units are defined, respectively, to be those listed in the first, second and third schedules to the course rules. In general, it is expected that a second level unit will have one or more first-level prerequisite units. Similarly, a third level unit is likely to have one or more second-level prerequisite units. The unit schedules are shown in the Schedule of Units.

(ii) Instead of the major and minor requirement described in Rule 3, students may, in special circumstances and with the written approval of the Dean, undertake two majors or a major and two minors.

(iii) In the specification of the minor in rule 4 (ii), the term ‘advanced level’ means:
- for those students taking minors from the SC30 Science disciplines, units from schedules 2 and 3 in the SC30 schedules of units, and
- for students taking minors from other Faculties, any units which have a prerequisite of at least one other unit.

General Requirements for Majors

The units and specifications listed are the minimum requirements for completion of a major in each discipline.

BIOLOGY
- First level: Animal and Plant Structure and Function
  Cell and Molecular Biology 1
  Chemistry 1
  Introduction to Life Science
  Statistics or Statistics 1A
- Second & third levels: 120 credit points of Biology units including 48 from the third level

BIOTECHNOLOGY
- First level: Animal and Plant Structure and Function
  Cell and Molecular Biology 1
  Chemistry 1
  Chemistry 2
  Introduction to Life Science
  Statistics or Statistics 1A
- Second & third levels: 120 credit points of Biotechnology units including 48 from the third level
CHEMISTRY
First level:
Chemistry 1
Chemistry 2
At least 36 credit points from other first level Science units OR
Computing OR
Software Development 1
Second & third levels:
120 credit points of Chemistry units including 48 from the third level

GEOLOGY
First level:
Physical Geology
Historical Geology
12 credit points of Chemistry units
12 credit points of Mathematics or Physics units
Statistics or Statistics 1A
Computing OR
Software Development 1
Second & third levels:
120 credit points of Geology units including 48 from the third level

MATHEMATICS
First level:
Algebra and Analysis B
Calculus and Analysis A²
Calculus and Vector Algebra³
Statistics 1A
Second & third levels:
120 credit points of Mathematics units including 48 from the third level

MICROBIOLOGY/BIOCHEMISTRY
First level:
Animal and Plant Structure and Function
Cell and Molecular Biology 1
Chemistry 1
Chemistry 2
Introduction to Life Science
Statistics or Statistics 1A
Second & third levels:
120 credit points of Microbiology/Biochemistry units including 48 from the third level

PHYSICS
First level:
Computing OR
Software Development 1⁴
Calculus & Analysis A²
Algebra & Analysis B
Calculus & Vector Algebra
Physics 1 and 2
Second & third levels:
120 credit points of Physics units including 48 from the third level
Mathematics 3 & 4 OR
Multivariable Calculus & Differential Equations

All students must take SCB001 Learning at University unless exemption has been granted.

Note: There is no evening program for part-time students. Part-time students will attend classes with full-time students and therefore will require day release from employment to attend most units. Many mathematics units are available by evening study.

² Students who have not obtained a Sound Achievement in Senior Maths C must also take MAB200 Mathematics.
³ This unit can be replaced by another first-level mathematics unit with permission from the School of Mathematics.
⁴ These units need not be taken in First Year.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Offered</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
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<tbody>
<tr>
<td>CHB142</td>
<td>Chemistry I</td>
<td>1</td>
<td>12</td>
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<tr>
<td>CHB182</td>
<td>Chemistry I</td>
<td>1,2</td>
<td>12</td>
<td>6</td>
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<tr>
<td>CHB242</td>
<td>Chemistry 2</td>
<td>2</td>
<td>12</td>
<td>6</td>
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<td>CHB282</td>
<td>Chemistry 2</td>
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<td>12</td>
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<td>CSB263</td>
<td>Computing</td>
<td>1,2</td>
<td>12</td>
<td>4</td>
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<td>ESB122</td>
<td>Physical Geology</td>
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<td>12</td>
<td>5</td>
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<td>ESB222</td>
<td>Historical Geology</td>
<td>2</td>
<td>12</td>
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<tr>
<td>ITB410</td>
<td>Software Development 1</td>
<td>1,2</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LSB118</td>
<td>Introduction to Life Science</td>
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<td>12</td>
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<tr>
<td>LSB150</td>
<td>Human Anatomy</td>
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<td>12</td>
<td>5</td>
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<td>LSB228</td>
<td>Animal &amp; Plant Structure &amp; Function</td>
<td>2</td>
<td>12</td>
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<td>LSB238</td>
<td>Cell and Molecular Biology I</td>
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<td>12</td>
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<td>MAB102</td>
<td>Basic Mathematics</td>
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<td>MAB200</td>
<td>Mathematics</td>
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<td>MAB237</td>
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<td>MAB301</td>
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<td>MAB303</td>
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<td>MAB304</td>
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<td>MAB321</td>
<td>Computational Mathematics I</td>
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<td>MAB342</td>
<td>Mathematics of Finance</td>
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<td>MAB347</td>
<td>Statistics 1A</td>
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<td>MAB348</td>
<td>Statistics 1B</td>
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<tr>
<td>PHB122</td>
<td>Physics 1</td>
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<td>12</td>
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<td>PHB222</td>
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<tr>
<td>SCB001</td>
<td>Learning at University</td>
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<td>2</td>
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<tr>
<td>SCB202</td>
<td>Science Technology &amp; Society</td>
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<td>SCB222</td>
<td>Exploration of the Universe</td>
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**INTRODUCTORY UNITS**

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<th>Credit Points</th>
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<tbody>
<tr>
<td>CHB001</td>
<td>Introductory Chemistry</td>
<td>1,2</td>
<td>6</td>
<td>3</td>
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<tr>
<td>LSB001</td>
<td>Introductory Biology</td>
<td>1</td>
<td>6</td>
<td>3</td>
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<tr>
<td>PHB001</td>
<td>Introductory Physics</td>
<td>1,2</td>
<td>6</td>
<td>3</td>
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**OTHER UNITS**

Students may take units from any discipline within the University. Some other units offered at first level are listed below:

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<th>Semester Offered</th>
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<td>PHB150</td>
<td>Physics 1H</td>
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<td>PHB263</td>
<td>Physics 2E</td>
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**Schedule of Units – Second Level Units**

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<th>Semester Offered</th>
<th>Credit Points</th>
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<tr>
<td>CHB313</td>
<td>Analytical Chemistry 3</td>
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<tr>
<td>CHB333</td>
<td>Inorganic Chemistry 3</td>
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<td>CHB352</td>
<td>Organic Chemistry 3</td>
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<tr>
<td>CHB372</td>
<td>Physical Chemistry 3</td>
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<td>CHB423</td>
<td>Chemical Technology 4</td>
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<td>CHB453</td>
<td>Organic Chemistry 4</td>
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<td>ESB332</td>
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<td>Structural Geology and Geomechanics</td>
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<td>ESB392</td>
<td>Field Techniques and Studies</td>
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<td>Geochemistry</td>
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<td>ESB472</td>
<td>Mineral Deposits &amp; Mine Geology</td>
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<td>LSB302</td>
<td>Animal Biology</td>
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<td>LSB308</td>
<td>Biochemistry I</td>
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<td>LSB318</td>
<td>Biochemical Methodology</td>
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<td>LSB328</td>
<td>Microbiology I</td>
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<td>LSB338</td>
<td>Cell &amp; Molecular Biology 2</td>
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<td>LSB348</td>
<td>Genetics</td>
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<td>LSB358</td>
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<td>LSB362</td>
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<td>LSB478</td>
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<td>LSB488</td>
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<tr>
<td>LSB498</td>
<td>Ecological Methods</td>
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<tr>
<td>MAB422</td>
<td>Topics in Mathematics</td>
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<td>MAB432</td>
<td>Mathematics 3(^5)</td>
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<tr>
<td>MAB452</td>
<td>Mathematics 4(^5)</td>
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<td>MAB601</td>
<td>Multivariable Calculus</td>
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<td>MAB612</td>
<td>Differential Equations</td>
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<td>MAB618</td>
<td>Computational Mathematics 2</td>
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<td>MAB620</td>
<td>Finite Mathematics</td>
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<tr>
<td>MAB630</td>
<td>Linear Algebra &amp; its Applications</td>
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<td>Earth Resources Management</td>
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**OTHER UNITS**

Students may take units from any discipline within the University. Some other units offered at second level are listed below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Level</th>
<th>ECTS</th>
<th>Year</th>
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<td>Human Nutrition</td>
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**Cooperative Education Program**

A registered student who has completed the equivalent of the first and second years of the standard full-time course, normally with a GPA of not less than 4.5 overall, may, at the discretion of the Cooperative Education Program Coordinator, undertake the Cooperative Education option. This involves 10-12 months of paid full-time employment in an approved industrial/commercial environment during which time the student is enrolled in the unit SCB100 Cooperative Education. On completion of the approved cooperative education placement the student resumes formal studies.

**Schedule of Units – Third Level Units**

<table>
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<th>Code</th>
<th>Course</th>
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\(^5\) May not be available after 1996.
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<td>Ore Genesis</td>
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^6 Year-long unit.
OTHER UNITS
Students may take units from any discipline within the University. One other unit offered at third level is:
PUB631 Nutritional Biochemistry 2 12 5

**Bachelor of Applied Science (Applied Chemistry) (CH32)**

**Location:** Gardens Point campus

**Course Duration:** 3 years full-time, 6 years part-time

**Total Credit Points:** 288 (minimum)

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Mr Eric O’Reilly

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td><strong>Note:</strong> It is strongly recommended that students also undertake the unit SCB001 Learning at University in their first semester.</td>
<td></td>
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**Year 1, Semester 1**
- CHB173 Chemistry 1A 12 6
- CHB183 Chemistry 1B 12 6
- MAB200 Mathematics 12 4
- PHB122 Physics 1 12 5

**Year 1, Semester 2**
- CHB213 Concepts of Analytical Chemistry 12 5
- CHB283 Chemistry 2A 12 5
- CHB253 Chemistry 2B 12 5
- MAB237 Statistics 12 4

**Year 2, Semester 1**
- CHB313 Analytical Chemistry 3 12 5
- CHB333 Inorganic Chemistry 3 12 5
- CHB353 Organic Chemistry 3A 12 5
- CHB373 Physical Chemistry 3A 12 5

**Year 2, Semester 2**
- CHB423 Chemical Technology 4 12 5
- CHB453 Organic Chemistry 4 12 5
- CHB473 Physical Chemistry 4 12 5
- CSB263 Computing 12 4

**Year 3, Semester 1**
- CHB513 Instrumental Analysis 5 12 5
- CHB523 Chemical Technology 5 12 5

**Two of:**
- CHB533 Inorganic Chemistry 5 12 5
- CHB553 Organic Chemistry 5 12 5
- CHB573 Physical Chemistry 5 12 5
- Elective Unit 12 5

**Year 3, Semester 2**
- CHB613 Instrumental Analysis 6 12 5
- CHB623 Chemical Technology 6 12 5
- CHB693 Materials Chemistry 12 5

**One of:**
- CHB603 Project 12 5
- CHB643 Applied Spectroscopy 12 5
- CHB653 Applied Biological Chemistry 12 5
Cooperative Education Program
A registered student who has completed the equivalent of the first and second years of the standard full-time course, normally with a GPA of not less than 4.5 overall, may, at the discretion of the Cooperative Education Program Coordinator, undertake the Cooperative Education option.

This involves 10–12 months of paid full-time employment in an approved industrial/commercial environment during which time the student is enrolled in the unit SCB100 Cooperative Education. On completion of the approved industrial experience the student resumes formal studies.

Part-Time Course Structure

Note: It is strongly recommended that students also undertake the unit SCB001 Learning at University in their first semester.

Year 1, Semester 1
CHB173 Chemistry 1A 12 6
PHB122 Physics 1 12 5

Year 1, Semester 2
CHB183 Chemistry 1B 12 6
MAB200 Mathematics 12 4

Year 2, Semester 1
CHB283 Chemistry 2A 12 5
MAB237 Statistics 12 4

Year 2, Semester 2
CHB213 Concepts of Analytical Chemistry 12 5
CHB253 Chemistry 2B 12 5

Year 3, Semester 1
CHB353 Organic Chemistry 3A 12 5
CHB373 Physical Chemistry 3A 12 5

Year 3, Semester 2
CHB453 Organic Chemistry 4 12 5
CHB473 Physical Chemistry 4 12 5

Year 4, Semester 1
CHB313 Analytical Chemistry 3 12 5
CHB333 Inorganic Chemistry 3 12 5

Year 4, Semester 2
CHB423 Chemical Technology 4 12 5
CSB263 Computing 12 4

Year 5, Semester 1
CHB513 Instrumental Analysis 5 12 5
CHB523 Chemical Technology 5 12 5

Year 5, Semester 2
CHB613 Instrumental Analysis 6 12 5
CHB623 Chemical Technology 6 12 5

Year 6, Semester 1
Two of:
CHB533 Inorganic Chemistry 5 12 5
CHB553 Organic Chemistry 5 12 5
CHB573 Physical Chemistry 5 12 5
Elective Unit 12
Year 6, Semester 2
CHB693 Materials Chemistry 12 5
One of:
CHB603 Project 12 5
CHB653 Applied Biological Chemistry 12 5
CHB663 Environmental Chemistry 12 5
Elective Unit 12

Note: It is not intended that all Chemistry elective units will be offered. Those units offered in any one year will be determined by student demand.

Bachelor of Applied Science (Mathematics) (MA34)

Location: Gardens Point campus

Course Duration: 3 years full-time, 6 years part-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Clif Bothwell

Course Requirements
A student selects units from the list given below, having regard to specified prerequisites and co-requisites, and must complete:

(i) all units from List A
(ii) at least 36 credit points from List B
(iii) at least 144 credit points from Lists C and D with at least 48 credit points from List D
(iv) a minimum of 288 credit points.

<table>
<thead>
<tr>
<th>List A</th>
<th>Semester Offered</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<thead>
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<th>Semester Offered</th>
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<tr>
<td>MAB647 Statistics 2A</td>
<td>1</td>
<td>12</td>
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<tr>
<td>MAB648 Statistics 2B</td>
<td>2</td>
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</table>
Non-mathematical units from any Faculty [a maximum total of 72 credit points with not more than 48 at first level. First level units are generally units with no prerequisites other than course entry requirements.]

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
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<td>Topics in Analysis</td>
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<tr>
<td>MAB907</td>
<td>Statistics 3A</td>
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<tr>
<td>MAB908</td>
<td>Statistics 3B</td>
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<td>MAB911</td>
<td>Computational Mathematics 3A</td>
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<td>MAB912</td>
<td>Continuum Modelling</td>
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<td>MAB913</td>
<td>Computational Mathematics 3B</td>
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<td>MAB927</td>
<td>Operations Research 2A</td>
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<td>MAB928</td>
<td>Operations Research 2B</td>
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<tr>
<td>MAB929</td>
<td>Time Series &amp; Statistical Forecasting</td>
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<td>MAB933</td>
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<td>MAB941</td>
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<td>MAB942</td>
<td>Optimisation Methods</td>
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<td>MAB960</td>
<td>Project Work</td>
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<tr>
<td>MAB970</td>
<td>Probability Theory &amp; Stochastic Processes</td>
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<td>MAB971</td>
<td>Advanced Mathematics of Finance</td>
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<td>MAB973</td>
<td>Partial Differential Equations</td>
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<td>MAB974</td>
<td>Sampling &amp; Survey Techniques</td>
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<td>SCB510</td>
<td>Introduction to Quality Management</td>
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Cooperative Education Program

A registered student who has completed the equivalent of the first and second years of the standard full-time course, normally with a GPA of not less than 4.5 overall, may, at the discretion of the Cooperative Education Program Coordinator, undertake the Cooperative Education option.

This involves 10-12 months of paid full-time employment in an approved industrial/commercial environment during which time the student is enrolled in the unit SCB100 Cooperative Education. On completion of the approved Cooperative Education placement the student resumes formal studies.

■ Bachelor of Applied Science (Medical Laboratory Science) (LS36)

Location: Gardens Point campus

Course Duration: 3 years full-time, 6 years part-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Ms Pam Stallybrass

Professional Recognition

Graduates are immediately eligible for graduate membership of the Australian Institute of Medical Scientists and will have completed the academic requirements for admission as associate members.

Special Course Requirements

Students in the part-time program should be aware that they are required to attend much of their program during the day.

Students are required to undertake a four-week work experience program in a practising pathology laboratory. This takes place at the end of the second year full-time and in a suitable vacation period during the part-time program. This is a requirement for the unit LSB480 Professional Practice.
### Full-Time Course Structure (continuing students only)

<table>
<thead>
<tr>
<th>Year 3, Semester 1</th>
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<tbody>
<tr>
<td>LSB500 Microbiology 5</td>
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<tr>
<td>LSB530 Immunology 5</td>
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<tr>
<td>LSB550 Haematology 5</td>
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<tr>
<td>LSB560 Histopathology 5</td>
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<td>LSB630 Immunohaematology 6</td>
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<td>LSB660 Histopathology 6</td>
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### Part-Time Course Structure (continuing students only)

Students enrolling in the part-time program must consult with the Course Coordinator.

### Full-Time Course Structure (commencing students only)

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<tr>
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<td>LSB238 Cell &amp; Molecular Biology</td>
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<td>LSB250 Human Physiology</td>
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<td>LSB348 Genetics</td>
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<td>4</td>
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<td>LSB560 Histopathology 2</td>
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<tr>
<td>LSB540 Molecular Pathogenesis &amp; Disease Diagnosis 2</td>
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<td>LSB630 Immunohaematology</td>
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<td>4</td>
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<tr>
<td>LSB650 Haematology 3</td>
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<tr>
<td>LSB640 Molecular Pathogenesis &amp; Disease Diagnosis 2</td>
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Part-Time Course Structure (commencing students only)

**Year 1, Semester 1**
- CHB142  Chemistry 1
- LSB150  Human Anatomy 12 4

**Year 1, Semester 2**
- CHB242  Chemistry 2 12 6
- LSB260  Quantitative Methods in Life Science 1 12 5

**Year 2, Semester 1**
- LSB118  Introduction to Life Science 12 6
- LSB238  Cell & Molecular Biology 12 5
- LSB250  Human Physiology 12 6

**Year 3, Semester 1**
- LSB308  Biochemistry 1 12 4
- LSB300  Microbiology 1 8 4
- LSB350  General & Systematic Pathology 8 2

**Year 3, Semester 2**
- LSB410  Biochemistry 2 8 5
- LSB400  Microbiology 2 8 4
- LSB437  Molecular Biology 8 4

**Year 4, Semester 1**
- LSB320  Quantitative Methods in Life Science 2 8 4
- LSB348  Genetics 12 5

**Year 4, Semester 2**
- LSB430  Immunology 1 8 4
- LSB450  Haematology 1 8 4
- LSB460  Histopathology 1 8 4
- LSB480  Professional Practice 2-4 weeks

**Year 5, Semester 1**
- LSB510  Microbiology 3 8 5
- LSB520  Clinical Biochemistry 1 8 4
- LSB530  Immunology 2 8 4

**Year 5, Semester 2**
- LSB610  Clinical Bacteriology 8 5.5
- LSB620  Clinical Biochemistry 2 8 4
- LSB630  Immunohaematology 8 4
- LSB480  Professional Practice 2-4 weeks

**Year 6, Semester 1**
- LSB550  Haematology 2 8 4
- LSB560  Histopathology 2 8 4
- LSB540  Molecular Pathogenesis & Disease Diagnosis 1 8 4

**Year 6, Semester 2**
- LSB650  Haematology 3 8 4
- LSB660  Histopathology 3 8 4
- LSB640  Molecular Pathogenesis & Disease Diagnosis 2 8 2

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**Bachelor of Applied Science (Medical Radiation Technology) (PH38)**

With majors in: Medical Imaging Technology and Radiotherapy Technology

**Location:** Gardens Point campus

**Course Duration:** 3 years full-time
Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Brian J. Thomas

Coordinators:
Medical Imaging Technology Major: Ms Pam Rowntree
Radiotherapy Technology Major: Mrs Michelle Oppelaar

Conversion Program
A program to allow holders of an associate diploma or diploma to upgrade to degree level is offered in both majors. Refer to PH90 for course details.

Full-Time Course Structure (commencing students)

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tr>
<td>COMMON UNITS</td>
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<td>LSB141 Anatomy 1</td>
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<tr>
<td>NSB201 Principles of Patient Care</td>
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<tr>
<td>PHB111 Physics 1B</td>
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<tr>
<td>PHB178 Principles of Medical Radiations</td>
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<tr>
<td>SSB910 Introductory Psychology for Health Professionals</td>
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<td>LSB241 Anatomy 2</td>
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<td>PHB272 Radiation Physics 1</td>
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MEDICAL IMAGING TECHNOLOGY MAJOR

PHB275 Processing Technology | 4 | 2 |
PHB276 General Radiography 1 | 12 | 6 |
PHB278 General Radiography Practice 1 | 8 | 3 |

RADIOThERAPY TECHNOLOGY MAJOR

PHB286 Treatment Planning 1 | 12 | 6 |
PHB287 Megavoltage Therapy 1 | 8 | 4 |

Full-time Course Structure (continuing students who commenced in 1995)

<table>
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<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>COMMON UNITS</td>
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<tr>
<td>LSB321 Systematic Pathology</td>
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<tr>
<td>LSB343 Imaging Anatomy 1</td>
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MEDICAL IMAGING TECHNOLOGY MAJOR

PHB373 Nuclear Medicine Imaging 1 | 4 | 2 |
PHB374 Radiographic Equipment 1 | 4 | 2 |
PHB376 General Radiography 2 | 8 | 4 |
PHB379 Clinical Radiography 1 | 8 | 4 |
PHB378 General Radiography Practice 2 | 8 | 3 |

RADIOThERAPY TECHNOLOGY MAJOR

PHB382 Radiotherapy Physics 1 | 4 | 2 |
PHB386 Treatment Planning 2 | 12 | 6 |
PHB387 Megavoltage Therapy 2 | 12 | 5 |
PHB389 Clinical Radiotherapy 1 | 8 | 4 |

<table>
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<th>Credit Points</th>
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<td>COMMON UNITS</td>
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<td>LSB443 Imaging Anatomy 2</td>
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<tr>
<td>PHB475 Medical Radiation Computing 1</td>
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<td>3</td>
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</tbody>
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MEDICAL IMAGING TECHNOLOGY MAJOR
PHB473  Medical Ultrasound  4  2
PHB474  Radiographic Equipment 2  4  2
PHB476  Special Procedures  12  5
PHB479  Clinical Radiography 2  8  4

RADIOThERAPY TECHNOLOGY MAJOR
PHB485  Principles of Treatment  4  3
PHB487  Megavoltage Therapy 3  12  4
PHB489  Clinical Radiotherapy 2  8  4
PHB585  Computer Assisted Treatment Planning I  12  3

Full-Time Course Structure (continuing students who commenced prior to 1995)
Year 3, Semester 1
COMMON UNITS
PHB471  Radiation Physics 2  4  2
PHB575  Medical Radiation Computing 2  8  3
PHB672/1 Project  2

MEDICAL IMAGING TECHNOLOGY MAJOR
L5B421  Imaging Pathology  4  2
PHB572  Image Recording & Evaluation  4  2
PHB574  Quality Assurance in Medical Imaging  6  3
PHB576  Advanced Radiographic Technique 1  12  6
PHB578  Image Interpretation  4  2
PHB579  Clinical Radiography 4  8  4

RADIOThERAPY TECHNOLOGY MAJOR
PHB584  Principles of Treatment 2  4  2
PHB587  Orthovoltage & Superficial Therapy  10  4
PHB589  Clinical Radiotherapy 4  12  6
PHB685  Computer Assisted Treatment Planning 2  8  4

Year 3, Semester 2
COMMON UNITS
PHB671  Radiation Biology  4  2
PHB672/2 Project  6
SSB918  Counselling for Health Professionals  4  2

MEDICAL IMAGING TECHNOLOGY MAJOR
PHB676  Advanced Radiographic Technique 2  8  3
PHB679  Clinical Radiography 5  14  6
Select one of the following units:
PHB680  Nuclear Medicine Imaging 2  10  5
PHB681  Computed Tomography Imaging  10  5

RADIOThERAPY TECHNOLOGY MAJOR
PHB583  Complementary & Evolving Techniques  6  3
PHB683  Oncological Imaging  6  3
PHB687  Specialised Radiotherapy Technique  10  4
PHB689  Clinical Radiotherapy 5  8  4

Bachelor of Applied Science (Medical Radiation Technology) (PH90)
Conversion Course with majors in: Medical Imaging Technology and Radiotherapy Technology
Location: Gardens Point campus
Course Duration: 2 years part-time for holders of a Diploma in Radiography (QUT) or equivalent or 3 years part-time for holders of an Associate Diploma in Radiography (QUT)
or equivalent. The programs are also available over half the duration mentioned above in full-time mode.

**Total Credit Points**: 96 (diploma holders); 144 (associate diploma holders).

**Standard Credit Points/Part-Time Semester**: 24

**Course Coordinator**: Associate Professor Brian Thomas

**Coordinators:**
- Medical Imaging Technology Major: Ms Pam Rowntree
- Radiotherapy Technology Major: Mrs Michelle Oppelaar

### Part-Time Course Structure for Diploma Holders

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<thead>
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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>1, Semester 1</td>
<td>LSB321 Systematic Pathology</td>
<td>8</td>
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<tr>
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<td>LSB343 Imaging Anatomy I</td>
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<td>MAB151 Quantitative Techniques</td>
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<td>LSB441 Imaging Anatomy 2</td>
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<td>PHB475 Medical Radiation Computing 1</td>
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<td>2, Semester 1</td>
<td>PHB575 Medical Radiation Computing 2</td>
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<td>PHB571 Quality Assurance in Medical Imaging</td>
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<td>PHB578 Image Interpretation</td>
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<td>PHB685 Computer Assisted Treatment Planning 2</td>
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<td>PHB670 Advanced Radiographic Practice 2</td>
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<td>PHB687 Specialised Radiotherapy Technique 2</td>
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<td>PHB889 Advanced Radiotherapeutic Practice</td>
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### Part-Time Course Structure for Associate Diploma Holders (for commencing students)

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<td>Year 1, Semester 2</td>
<td>COMMON UNIT</td>
<td></td>
<td></td>
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<td>-------------------</td>
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<td></td>
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</tr>
<tr>
<td>LSB443</td>
<td>Imaging Anatomy 2</td>
<td></td>
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</tr>
<tr>
<td>MAB151</td>
<td>Quantitative Techniques</td>
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<tr>
<td>PHB473</td>
<td>Medical Ultrasound</td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>PHB475</td>
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<tr>
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<tbody>
<tr>
<td>PHB585</td>
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<table>
<thead>
<tr>
<th>Part-Time Course Structure for Associate Diploma Holders (for continuing students)</th>
</tr>
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<tbody>
<tr>
<td>Year 2, Semester 1</td>
</tr>
<tr>
<td>MEDICAL IMAGING TECHNOLOGY MAJOR</td>
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<tr>
<td>LSB421</td>
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<td>MAB151</td>
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<tbody>
<tr>
<td>LSB321</td>
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<tr>
<td>PHB471</td>
</tr>
<tr>
<td>PHB575</td>
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</tbody>
</table>

| Year 2, Semester 2 |
| MEDICAL IMAGING TECHNOLOGY MAJOR |
| PHB475 | Medical Radiation Computing 1 |
| PHB679 | Clinical Radiography 5 |

<table>
<thead>
<tr>
<th>RADIOTHERAPY TECHNOLOGY MAJOR</th>
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</thead>
<tbody>
<tr>
<td>PHB583</td>
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<td>PHB671</td>
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<td>PHB683</td>
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<thead>
<tr>
<th>Year 3, Semester 1</th>
<th>COMMON UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHB673/1</td>
<td>Project</td>
</tr>
<tr>
<td>MEDICAL IMAGING TECHNOLOGY MAJOR</td>
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</tr>
<tr>
<td>PHB571</td>
<td>Quality Assurance in Medical Imaging</td>
</tr>
<tr>
<td>PHB575</td>
<td>Medical Radiation Computing 2</td>
</tr>
<tr>
<td>PHB578</td>
<td>Image Interpretation 1</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>RADIOTHERAPY TECHNOLOGY MAJOR</th>
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</thead>
<tbody>
<tr>
<td>PHB685</td>
</tr>
<tr>
<td>PHB889</td>
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<table>
<thead>
<tr>
<th>Year 3, Semester 2</th>
<th>COMMON UNIT</th>
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<tbody>
<tr>
<td>PHB673/2</td>
<td>Project</td>
</tr>
<tr>
<td>MEDICAL IMAGING TECHNOLOGY MAJOR</td>
<td></td>
</tr>
<tr>
<td>PHB670</td>
<td>Advanced Radiographic Practice 2</td>
</tr>
</tbody>
</table>

Select one of the following units:
| PHB680 | Nuclear Medicine Imaging 2 |
| PHB681 | Computed Tomography Imaging |

<table>
<thead>
<tr>
<th>RADIOTHERAPY TECHNOLOGY MAJOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHB687</td>
</tr>
</tbody>
</table>
**Associate Degree in Applied Science (Biology)**

**Associate Degree in Applied Science (Chemistry) (SC12)**

**Location:** Gardens Point campus

**Course Duration:** 2 years full-time, 4 years part-time

**Total Credit Points:** 192

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Dr Graham Smith

### Full-Time Course Structure

This course is being phased out. Students requiring units from the first two semesters of the course should consult with the Course Coordinator to arrange for alternative units.

#### BIOLOGY MAJOR

**Year 2, Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHA442</td>
<td>Introduction to Occupational Safety</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>LSX310</td>
<td>Introduction to Bioculture</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>LSX311</td>
<td>Computer Applications in Biology</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>LSX312</td>
<td>Animal &amp; Plant Techniques</td>
<td>12</td>
<td>4</td>
</tr>
</tbody>
</table>

Plus two elective units selected from:

- LSX313 Taxonomy
- LSX316 Hydrobiological Techniques

#### Year 2, Semester 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSX223</td>
<td>Microbiology 2</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>LSX410</td>
<td>Environmental Biology</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>LSX411</td>
<td>Population Biology</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>LSX412</td>
<td>Field Techniques</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>LSX413</td>
<td>Applications in Electron Microscopy</td>
<td>8</td>
<td>3</td>
</tr>
</tbody>
</table>

#### CHEMISTRY MAJOR

**Year 1, Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHA218</td>
<td>Analytical Chemistry 1</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHA219</td>
<td>Qualitative Analysis</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>CHA230</td>
<td>Chemistry of Inorganic Materials</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>CHA240</td>
<td>Instrumental Techniques</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHA250</td>
<td>Organic Chemistry 1</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHA270</td>
<td>Physical Chemistry 1</td>
<td>8</td>
<td>3</td>
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**Year 2, Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CHA318</td>
<td>Instrumental Analytical Chemistry</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>CHA319</td>
<td>Analytical Chemistry 2</td>
<td>6</td>
<td>3</td>
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<tr>
<td>CHA320</td>
<td>Chemical Process Principles 1</td>
<td>8</td>
<td>3</td>
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<tr>
<td>CHA350</td>
<td>Organic Chemistry 2</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHA370</td>
<td>Physical Chemistry 2</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CHA442</td>
<td>Introduction to Occupational Safety</td>
<td>4</td>
<td>2</td>
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<tr>
<td>CSM259</td>
<td>Introduction to Computing</td>
<td>8</td>
<td>2</td>
</tr>
</tbody>
</table>

Plus one Elective Unit selected from:

- ESA310 Geology
- LSA123 Biology
- Any other approved Elective Unit

**Year 2, Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHA368</td>
<td>Industrial Chemistry</td>
<td>8</td>
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<tr>
<td>CHA410</td>
<td>Computers in Chemistry</td>
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<td>3</td>
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<tr>
<td>CHA550</td>
<td>Organic Chemistry 3</td>
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</tr>
<tr>
<td>CHA610</td>
<td>Industrial Analysis</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHA670</td>
<td>Physical Chemistry 3</td>
<td>8</td>
<td>3</td>
</tr>
</tbody>
</table>
Plus one Elective Unit selected from:
LSA223  Microbiology  8  3
LSX213  Introductory Biochemistry  8  3
Any other approved Elective Unit

Part-Time Course Structure
Part-time programs can be organised in consultation with the Course Coordinator. Refer to the full-time program for semesters in which units are offered. Day release from employment will be required for most units.

Notes
Students in the Biology Major may apply to have their current employment arranged and assessed in lieu of one or more electives. In such cases, the employer, in consultation with the Head of School, nominates an honorary supervisor to collaborate with a school tutor. Under such an arrangement students are required to maintain a work log and complete such exercises and assignments as required.

Students in the Biology Major with relevant technical experience may seek total or partial exemption from one or more of the elective units of the course.

Students participate in excursions and field work where these form part of the curriculum. Occasionally field work may be scheduled at weekends or during University recess periods.

Associate Degree in Applied Science (SC15)
With majors in: Chemistry, Medical Laboratory Techniques
Location: Gardens Point campus
Course Duration: 2 years full-time, 4 years part-time
Total Credit Points: 192
Standard Credit Points/Full-Time Semester: 48
Course Coordinators:
Chemistry: Dr Graham Smith
Medical Laboratory Techniques: Ms Pam Stallybrass
The first year of this course will be offered in 1996.

Full-Time Course Structure
(Year 1, Semester 1 is common to both majors)

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Contact Hrs/Wk</th>
<th>Credit Points</th>
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</thead>
<tbody>
<tr>
<td>CHEMISTRY MAJOR</td>
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</tr>
<tr>
<td>LSA221 Biological Chemistry</td>
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<tr>
<td>LSA222 Laboratory Instrumentation</td>
<td>8</td>
<td></td>
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<tr>
<td>LSA223 Microbiology</td>
<td>8</td>
<td></td>
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<tr>
<td>LSA224 Pathology</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>LSA225 Anatomy &amp; Physiology</td>
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<tr>
<td>CHEMISTRY MAJOR</td>
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<td></td>
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<tr>
<td>CHA210 Analytical Chemistry 1</td>
<td>12</td>
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<table>
<thead>
<tr>
<th>MEDICAL LABORATORY TECHNIQUES MAJOR</th>
<th>Contact Hrs/Wk</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>LSA221 Biological Chemistry</td>
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<tr>
<td>LSA222 Laboratory Instrumentation</td>
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<tr>
<td>LSA223 Microbiology</td>
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<tr>
<td>LSA224 Pathology</td>
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<td>LSA225 Anatomy &amp; Physiology</td>
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<td>LSA223 Microbiology</td>
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<td>LSA224 Pathology</td>
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<tr>
<td>CHA210 Analytical Chemistry 1</td>
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660
### Part-Time Course Structure

Part-time programs can be organised in consultation with the Course Coordinators. Refer to the full-time program for the semesters in which units are offered. Day release from employment will be required for most units.

### Associate Degree in Clinical Techniques (LS12)

With elective units in: Laboratory Techniques and Anaesthetic Techniques

**Location:** Gardens Point campus

**Course Duration:** 2 years full-time, 4 years part-time

**Total Credit Points:** 192

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Ms Pam Stallybrass

### Professional Recognition

**LABORATORY TECHNIQUES ELECTIVE UNITS**

This program is recognised by both the Commonwealth and state governments as a suitable employment qualification. Graduates from this program are recognised by the Australian Institute of Medical Scientists and are eligible to become intermediate members of this professional body.

**ANAESTHETIC TECHNIQUES ELECTIVE UNITS**

This program is endorsed by the College of Anaesthetists.

### Special Course Requirements

Students may undertake the course on a full-time or part-time basis. Part-time students are required to attend lectures during normal working hours.

### Full-Time Course Structure (for continuing students)

**Year 2**

In Year 2 students should choose either the Laboratory Techniques Elective Units (Group A) or the Anaesthetic Techniques Elective Units (Group B).

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>MAA251 Statistics &amp; Data Processing</td>
<td>8 3</td>
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**Group A Elective Units**

Select five of the following:

- **LSX320** Clinical Biochemical Techniques 3 8 4
- **LSX321** Clinical Microbiological Techniques 3 8 4
- **LSX322** Haematological Techniques 3 8 4
- **LSX323** Histological Techniques 3 8 4
- **LSX324** Immunological Techniques 3 8 4
- **LSX325** Cytological Techniques 3 8 4
Year 2, Semester 2
CSA259  Introduction to Computing  8  2

Group A Elective Units
Select five of the following:
LSX420  Clinical Biochemical Techniques 4  8  4
LSX421  Clinical Microbiological Techniques 4  8  4
LSX422  Haematological Techniques 4  8  4
LSX423  Histological Techniques 4  8  4
LSX424  Transfusion Techniques 4  8  4
LSX425  Cytological Techniques 4  8  4

ANAESTHETIC TECHNIQUES PROGRAM
Group B Elective Units

Year 2, Semester 1
LSX331  Foundations of Anaesthetic Techniques  12  5
LSX332  Physiology and Pharmacology  12  5
LSX333/1  Electronics and Computing  6  5
LSX334  Operating Room Equipment  12  5

Year 2, Semester 2
LSX333/2  Electronics & Computing  6  5
LSX431  Cardiac Care and Resuscitation  12  5
LSX432  Care of Respiratory Airways & Intensive Care  12  5
LSX433  Anaesthesia for Specialised Surgery  12  5
LSX434  Professional Practice  12  5

Part-Time Course Structure (continuing students)
Students enrolling in the part-time program must consult with the Course Coordinator.
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4

Unit Synopses
UNIT SYNOPSES

This section provides synopses of the units offered in the ‘Academic Programs’ section of this Handbook.

The synopses are presented in alpha-numeric order according to their codes.

Unit Coding and Numbering
The unit code is of the format XXX999. The first two characters indicate the faculty or school administering the unit. The third character indicates the level of the course in which the unit is normally taught.

Unit Coding
AA Academy of the Arts
AR Architecture, Interior and Industrial Design
AT Arts
AY Accountancy
BN Built Environment and Engineering
BS Business
CE Civil Engineering
CH Chemistry
CN Construction Management
CO Communication
CP Cultural and Policy Studies
CU Curriculum and Professional Studies
EA Early Childhood
ED Education
EE Electrical and Electronic Systems Engineering
EF Economics and Finance
ES Geology
HL Health
HM Human Movement Studies
HU Humanities
IF Interfaculty Courses
IT Information Technology
JS Justice Studies
LA Language and Literacy Education
LE Learning and Development
LP Legal Practice
LS Life Science
LW Law
MA Mathematics
MD Mathematics, Science and Technology Education
ME Mechanical and Manufacturing Engineering
MG Management
MJ Media and Journalism
MK Marketing and International Business
NS Nursing
OP Optometry
PH Physics
PS Planning, Landscape Architecture and Surveying
PU Public Health
SB Social, Business and Environmental Education
SC Science
SS Social Science
SV Surveying

Level Indicators
X = Certificate, Associate Diploma, Associate Degrees, Diploma
B = Degree
P = Graduate Diploma
N = Masters Degree
R = Doctoral
A = Associate Diploma (all schools except Engineering)*
T = Associate Diploma in Engineering*
S = Special Units

* Codes to be phased out as existing QUT courses are reaccredited.

Prerequisite and Co-requisite Units
For definitions of the terms prerequisite and co-requisite unit(s), refer to Rule 1.8.2 of the Student Rules, Policies and Procedures in this Handbook.
**AA0001 RESEARCH PROJECT**
Students undertake a substantial piece of supervised research after academic advisement. This might include practical work and associated seminars.

**Course:** AA40  
**Credit Points:** 48

**AA0002 GRADUATE SEMINAR**
Seminar series involving postgraduate students, staff and visiting experts in the cross-fertilisation of ideas and research in the arts. The seminars aim to foster a culture which shares and debates research findings and perceptions about the arts.

**Course:** AA40  
**Credit Points:** 12  
**Contact Hours:** 2 per week

**AA0004 CONTEMPORARY AESTHETIC DEBATES**
Introduction to modern aesthetic debates that inform contemporary art practice. The unit addresses philosophical discourse on art from Kant to postmodern theories.

**Course:** AA40  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**AA0005 READINGS IN VISUAL ARTS**
This unit concentrates on developing critical and analytical skills in reading and writing about the visual arts. It focuses on critical art-historical writings since 1968.

**Course:** AA40  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**AA0006 FEMINIST STUDIES IN THE ARTS**
Students will develop an understanding of historical and current feminist theory and will read and analyse art from feminist perspectives.

**Course:** AA40  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**AA0051 ARTS IN SOCIETY**
Contemporary and historical perspectives on the relation between the arts and society. Relevant themes and theories include fine art, modernism and the avant-garde, craft and utilitarianism, art and politics, representation and sexual identity, patronage and institutions, cultural studies, postmodernism, art and technological change and cross-cultural encounters. A purpose-designed CD-ROM focusing across Australian arts exemplifies the lecture series.

**Course:** AA11, AA21, AA51, AA71, AA81, HS07 (M&J course code)  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**AA0053 GENDER ISSUES IN THE VISUAL AND PERFORMING ARTS**
This unit introduces students to the ways in which the arts reflect and challenge concepts of femininity and masculinity in Western European cultures. Areas covered include: an overview of various strands of feminist thought; discussion of key issues in the sex/gender debate; analysis of the representations of gender in both historical and contemporary examples of dance, drama, music and visual arts.

**Course:** AA11, AA21, AA31, AA71  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**AA0055 PROFESSIONAL PRACTICE**
Through secondment to professional organisations, final year students gain insights into the practical application of their course work. Access to this unit is reserved for students who have demonstrated an outstanding level of self-directed learning and a high level of requisite skills.

**Course:** AA11, AA21, AA51, AA71  
**Prerequisite:** High achievement in major study area  
**Credit Points:** 12

**AA0056 PROFESSIONAL STUDIES**
This unit aims to facilitate a smooth and confident transition from undergraduate experiences to life in the arts workforce. Exploration of current issues in the arts, and development of professional skills including public speaking, meeting procedures and career management.

**Course:** AA11, AA21, AA51, AA71  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**AA0057 INDEPENDENT STUDY**
With the approval of the Unit Coordinator, the student constructs and executes a project in an area of their own choice. The project may be theoretical in the field of scholarship, practical intensive discipline work or experimental. Access to this unit is reserved for students who have demonstrated an outstanding level of self-directed learning and high level of requisite skills.

**Course:** AA11, AA21, AA51, AA71  
**Prerequisite:** High achievement in major area of study  
**Credit Points:** 12

**AA0058 ARTS RESEARCH**
An introduction to current research methods and approaches in the arts, the unit addresses the issues of the status of the observer and the nature of validation in research. This unit is a prerequisite for entry to Honours.

**Course:** AA11, AA21, AA51, AA71  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**AA0059 HYBRID ARTS PROJECT**
With the approval of the Unit Coordinator, students may develop group cross-disciplinary projects or participate in a scheduled cross-disciplinary arts project. Approved or scheduled projects will develop new work in a workshop environment and lead to appropriate presentation.

**Course:** AA11, AA21, AA51, AA71  
**Prerequisite:** Notable achievement in major area of study  
**Credit Points:** 12

**AA0060 APPLIED RESEARCH METHODOLOGIES**
Students apply learning and understandings of arts research methods to their own identified areas of significance. The unit includes research proposal, literature review, conceptual frameworks, methodology, data collection and analysis and report publishing.

**Course:** AA11, AA21, AA51, AA71  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**AA0061 ARTS BUSINESS MANAGEMENT**
An introduction to management techniques within the Australian arts environment, including company structures, cultural policy, strategic management and leadership in the arts, legal, ethical, economical and social requirements of arts, boards, entrepreneurial activity.

**Course:** AA11, AA21, AA51, AA71  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**AA0062 ARTS EVENT PROMOTION AND PUBLIC RELATIONS**
The roles of publicist, promotion officer, marketing manager and public relations manager in arts organisations. Sponsorship, fundraising programs, membership drives. Planning and promoting and public relations campaigns.

**Course:** AA11, AA21, AA51, AA71  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**AA1000 COMPOSITION 1**
Introduction to improvisation and choreographic devices, exploration of the fundamental concepts of time, space and energy Experimentation in the use of dance to express ideas.

**Course:** AA11  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**AA1004 MUSIC**
Elements of music: beat, accent, rhythm and phrasing; nineteenth and twentieth century musical styles; notation, score reading, vocal and improvisation studies.
Course: AA11  Credit Points: 12  Contact Hours: 3 per week

- **AAB106 DANCE ANALYSIS & HISTORY 2**  
  Introduction to the analysis of dance through a concentration on the dance as text; a study of various historical contexts of dance as art. Focus on modern dance.  
  Course: AA11  Prerequisite: AAB125  Credit Points: 12  Contact Hours: 3 per week

- **AAB109 PRACTICUM**  
  Consolidation of the student's knowledge and skills in direct artistic experience in real contexts.  
  Course: AA11  Credit Points: 12

- **AAB112 HISTORY OF AUSTRALIAN THEATRE DANCE**  
  A study of the development of dance as an art form in Australia in the twentieth century.  
  Course: AA11  Credit Points: 12  Contact Hours: 3 per week

- **AAB114 DANCE IN AUSTRALIAN SOCIETY**  
  The ritual, artistic and social functions of dance in contemporary Australian society.  
  Course: AA11  Credit Points: 12  Contact Hours: 3 per week

- **AAB116 DANCE IN THE COMMUNITY**  
  Identifying community groups and issues; functions and benefits of dance in the community; political and social role of the dance artist; philosophy and practice of community arts in Australia; funding and planning procedures; adaptation of dance skills.  
  Course: AA11  Credit Points: 12  Contact Hours: 3 per week

- **AAB117 DANCE IN EDUCATION**  
  Introduction to the philosophy and practice of dance education, particularly the areas of performance, choreography and appreciation. Appropriate for students planning a career in either primary or secondary education sectors.  
  Course: AA11  Credit Points: 12  Contact Hours: 3 per week

- **AAB121 CONTEMPORARY TECHNIQUE 1**  
  Designated Unit. The basic contemporary dance vocabulary; study of Graham, Cunningham or Limon Technique; reference to development of strength, flexibility and placement of spine and limbs; basic combinations of movements; analysis of dance sequences (year-long unit)  
  Course: AA11  Credit Points: 12  Contact Hours: 7.5 per week

- **AAB122 CONTEMPORARY TECHNIQUE 2**  
  Designated Unit. Technical work: off-balance turns and rapid changes of weight, level and direction; exploration of rhythm; emphasis on performance of sequence work (year-long unit)  
  Course: AA11  Prerequisite: AAB121  Credit Points: 12  Contact Hours: 7.5 per week

- **AAB125 DANCE ANALYSIS & HISTORY 1**  
  Introduction to the analysis of dance through a concentration on the dance as text; a study of various historical contexts of dance as art. Focus on ballet.  
  Course: AA11  Credit Points: 12  Contact Hours: 3 per week

- **AAB155 ADVANCED ANALYSIS: BALLET**  
  Development of students' skills in the aesthetic appreciation and analysis of masterworks of dance. Content includes review of elements and principles of dance analysis; Classicism; Romanticism; choreographic processes in ballet.  
  Course: AA11  Prerequisite: AAB106  Credit Points: 12  Contact Hours: 2 per week

- **AAB156 ADVANCED ANALYSIS: MODERN**  
  Development of students' skills in the aesthetic appreciation and analysis of masterworks of dance. Content includes evaluating and interpreting the dance, review of dance language, aesthetic theories and styles in dance.  
  Course: AA11  Prerequisite: AAB106  Credit Points: 12  Contact Hours: 2 per week

- **AAB157 ADVANCED ANALYSIS: COMPARATIVE**  
  The skills involved in the aesthetic appreciation and analysis of the masterworks of ballet or modern/contemporary dance used to engage in a comparison of features of specific dances chosen for detailed study.  
  Course: AA11  Prerequisites: AAB155, AAB156  Credit Points: 12  Contact Hours: 1 per week

- **AAB158 ADVANCED COMPOSITION 1**  
  Exploration of how dance creates meaning; the aesthetic questions that have emerged out of the last major choreographic movement; an exploration of possible future directions.  
  Course: AA11  Corequisite: AAB155  Credit Points: 12  Contact Hours: 5 per week

- **AAB159 ADVANCED COMPOSITION 2**  
  Contact improvisation and its use as a basis for the development of partner work; the range of traditional and non-traditional forms available to the choreographer when working with groups of varying sizes.  
  Course: AA11  Corequisite: AAB156  Credit Points: 12  Contact Hours: 5 per week

- **AAB165 COMPOSITION 2**  
  Extends the students' dance composition knowledge and skills and provides opportunity for choreographic experimentation. Focus on movement, content and form. Music, costume and lighting will be considered in relationship to developing the work for performance (yearlong unit).  
  Course: AA11  Prerequisite: AAB100  Credit Points: 12  Contact Hours: 1.5 per week

- **AAB166 BALLET TECHNIQUE AND KINESIOLOGY**  
  Designated unit. Consolidation of the fundamental technique and its applications designed to reinforce and develop an appropriate range of technical skills within the four-tier practical level system. Study of anatomical structures and systems and the practical application injury prevention and management techniques (year-long unit).  
  Course: AA11  Credit Points: 12  Contact Hours: 6 per week

- **AAB167 BALLET TECHNIQUE AND ALIGNMENT**  
  Designated unit. Designed to expand students' understanding of the basic principles of ballet technique and to provide an awareness of alignment principles and alternative body philosophies (year-long unit).  
  Course: AA11  Prerequisite: AAB166  Credit Points: 12  Contact Hours: 6 per week

- **AAB168 PERFORMANCE STUDIES 1**  
  Development of outstanding practical skills in a variety of dance styles and exploration of the ways the performer provides a resource for the choreographer. Repertoire and the processes involved in the learning, rehearsing and performing of different styles of choreographic work.  
  Course: AA11  Credit Points: 12  Contact Hours: 3 per week
AAB169 PERFORMANCE STUDIES 2
Further development of skills in both technical and artistic expression aligned with the exploration of the rehearsal and performing work ethic.
Course: AAB11  Prerequisite: AAB168
Credit Points: 12  Contact Hours: 3 per week

AAB170 PERFORMANCE STUDIES 3
Synthesis of the artform; incorporation of all elements of study, culminating in public performances.
Course: AAB11  Prerequisite: AAB169
Credit Points: 12  Contact Hours: 3 per week

AAB171 DANCE STYLES 1
Jazz and tap styles - essential steps and various combinations.
Course: AAB11  Prerequisite: AAB169
Credit Points: 12  Contact Hours: 3 per week

AAB172 DANCE STYLES 2
Folk dance and musical theatre. Various dances specific to different areas of the world; skills required in the presentation of musical theatre.
Course: AAB11  Prerequisite: AAB171
Credit Points: 12  Contact Hours: 3 per week

AAB173 ADVANCED PERFORMANCE 1
Development of outstanding practical skills combining the use of aesthetic quality and artistry.
Course: AAB11  Prerequisite: Audition
Credit Points: 12

AAB174 ADVANCED PERFORMANCE 2
The dancer’s responsibilities to the choreographer and fellow dancers, and approach to the rehearsal situation. Classes include point, repertoire, character, pas de deux, musical theatre.
Course: AAB11  Prerequisite: AAB173
Credit Points: 12

AAB175 FOLK DANCE
Historical and cultural contexts; study of the wider aspects of folk dance (costume, music, ideology); steps and sequences from a wide range of folk dances.
Course: AAB11  Contact Hours: 3 per week

AAB176 JAZZ AND POPULAR DANCE
History and sociology of jazz and popular dances; examination of dance in musical theatre and other commercial contexts; basic technique and steps in a range of jazz and popular dance styles.
Course: AAB11  Contact Hours: 3 per week

AAB177 PRODUCTION TECHNIQUES
Introduction to the mechanics of theatre productions, the personnel and tasks. Lighting, sound, costume.
Course: AAB11  Contact Hours: 3 per week

AAB202 ACTING 1
Designated unit. Fundamentals of theatre and the acting process. Workshop activities including improvisation and exercises which focus on the elements of dramatic form and the acting process.
Course: AAB21  Prerequisite: AAB202
Credit Points: 12  Contact Hours: 14 per week

AAB203 ACTING 2
Designated unit. Introduction to text-based performance; the naturalistic style of acting, the foundation for stage, film and television; textual analysis, personal research in role preparation; efficient use of rehearsal time.
Course: AAB21  Prerequisite: AAB202
Credit Points: 12  Contact Hours: 21 per week

AAB204 VOICE AND MOVEMENT 1
Introduction to a holistic approach to body and voice and their integration as the basis for all forms of dramatic expression.
Course: AAB21  Prerequisite: AAB204
Credit Points: 12  Contact Hours: 6 per week

AAB205 VOICE AND MOVEMENT 2
Continuation of developing an understanding of the concepts and skills required for a career as a professional performer. Text work, advanced voice and body training, strength and stamina, flexibility, fluency, expressiveness.
Course: AAB21  Prerequisite: AAB204
Credit Points: 12  Contact Hours: 6 per week

AAB208 ELEMENTS OF DRAMA
Development of an understanding of drama theory and practice, and of their interrelationship through an introduction to the basic elements of dramatic performance such as space, performer, audience, language, rhythm, action.
Course: AAB21  Prerequisite: AAB204
Credit Points: 12  Contact Hours: 3 per week

AAB214 PROCESS DRAMA
Workshops involving individual, face-to-face and group role play; participant enrolment, leader-in-role and intervention; identification with role; negotiation, devising and consequent decision-making; dramatic tension and resolution; structuring for the theme and for the dramatic moment; distancing devices; reflection, re-enactment and remaking.
Courses: AA21, ED50
Credit Points: 12  Contact Hours: 3 per week

AAB216 PLAYWRIGHTING
An introduction to writing text for performance and appraising scripts; the main qualities of dramatic writing are identified; the working environment for dramatic writers in Australia is considered.
Course: AAB21  Prerequisite: AAB205
Credit Points: 12  Contact Hours: 6 per week

AAB233 VOICE AND MOVEMENT 3
This unit moves from naturalism to the area of heightened language. Focus is on the technical devices of Shakespearean text. Work developed will be performed both on the stage and for camera.
Course: AAB21  Prerequisite: AAB205
Credit Points: 12  Contact Hours: 6 per week

AAB234 VOICE AND MOVEMENT 4
Development of a vocal and physical technique that supports and serves the professional performer. Advanced classes in physical theatre will develop physical expressiveness, clarity and strength. Advanced studio work continues development in film and television techniques.
Course: AAB21  Prerequisite: AAB233
Credit Points: 12  Contact Hours: 6 per week

AAB235 VOICE AND MOVEMENT 5
Application of acting skills involving voice and movement is consolidated in production situations. Students are prepared for auditions for directors and agents.
Course: AAB21  Prerequisite: AAB234
Credit Points: 12  Contact Hours: 6 per week

AAB247 ACTING 3
Designed unit. Exploration of non-naturalistic style of text and performance. Development of more specific acting skills and deeper textual understanding necessary to perform Shakespearean text, on the stage and for film and television.
Course: AAB21  Prerequisite: AAB203
Credit Points: 12  Contact Hours: 21 per week

AAB248 ACTING 4
Designed unit. Advanced unit dealing with role, character creation and playing a range of theatrical styles.
Professional text preparation, rehearsal management and
audition techniques.
Course: AA21  Prerequisite: AAB247
Credit Points: 12  Contact Hours: 20 per week

AAB251 STUDIES IN THEATRE HISTORY 1
The first in a series of three Theatre History units, this
examines the the three major theatre movements: Realism,
Epic Theatre and The Avant Garde.
Course: AA21
Credit Points: 12  Contact Hours: 3 per week

AAB252 STUDIES IN THEATRE HISTORY 2
Explores theatre genres where structure has played a
major role. Heightened and stylised language, music
theatre, spectacle and multimedia.
Course: AA21
Credit Points: 12  Contact Hours: 3 per week

AAB253 STUDIES IN THEATRE HISTORY 3
Draws on the understandings developed in the previous
Theatre History units and relates them to the develop­
ment of Australian performance idioms. Indigenous
Australian performance; post-colonial and intercultural
drama; fusing traditional and contemporary form to create
Australian content for the global market.
Course: AA21
Credit Points: 12  Contact Hours: 3 per week

AAB254 MUSIC AND DANCE
Origins of music, music and the body, rhythm, ear train­
ing. Periods and styles of music and improvisation. Indi­
vidual vocal coaching in preparation for performance.
Posture and alignment of the body, introduction to basic
technical principles in traditional and contemporary
dance technique and dance sequences (year-long unit).
Course: AA21  Prerequisite: AAB205 or by audition
Credit Points: 24  Contact Hours: 3 per week

AAB255 THEATRE PRODUCTION 1
Students participate in a season of semi-profiled perfor­
mance projects. Acting students working as an ensemble
perform in roles for video and theatre. Technical stu­
dents work in a range of organisation and technical roles.
Course: AA21  Prerequisite: AAB246 or AAB254
Credit Points: 24

AAB256 THEATRE PRODUCTION 2
Students participate in a season of profiled performance
projects. The season gives the students the opportunity
to demonstrate their skills to potential employers in the
industry.
Course: AA21  Prerequisite: AAB248 or AAB294
Credit Points: 36

AAB257 ACTING STUDIES 1
Students are introduced to the work of Stanislavski and
a number of his key interpreters including Cohen,
Benedict, Hagen, Adler and Moore. A range of acting
styles is explored including an examination of Brecht's
theories of performance.
Course: AA21
Credit Points: 12  Contact Hours: 3 per week

AAB258 ACTING STUDIES 2
Introduction to methods of script analysis and style
analysis appropriate for a practical exploration of Shakes­
pearean play texts. Students explore and rehearse se­
lected scenes from a number of Shakespeare's plays.
Course: AA21
Credit Points: 12  Contact Hours: 3 per week

AAB259 THE PERFORMANCE
INSTRUMENT: BODY AND VOICE
Understanding vocal and physical patterns; application
of integrated approach to body and voice in personal
expression.
Course: AA21
Credit Points: 12  Contact Hours: 3 per week

AAB261 THE ARTS ENVIRONMENT
Introduction to the context for arts management; eco­
nomics of the arts; formation of national and state arts
policy; interplay amongst arts organisations and related
fields of endeavour like the media, the education sys­
tem, business and recreation.
Course: AA21
Credit Points: 12  Contact Hours: 3 per week

AAB263 ARTS MARKETING
General principles of marketing; the marketing plan;
applications in the arts; planning, research and analy­sis,
targeting, costing and presenting to the client.
Course: AA21
Credit Points: 12  Contact Hours: 3 per week

AAB266 ARTS EVENTS PLANNING
Researching and producing either strategic, operational
or human resource management plans; confronting prac­
tical and philosophical issues in arts planning.
Course: AA21
Credit Points: 12  Contact Hours: 3 per week

AAB271 STUDIES IN DIRECTING
History of the development of the role of the director;
theoretical study of key major directors in West European
tradition as well as key Australian directors. Practical
work includes rehearsal techniques and problem­
solving exercises.
Course: AA21
Credit Points: 12  Contact Hours: 3 per week

AAB272 DRAMA AND COMMUNITY
CULTURAL DEVELOPMENT
Examination of drama’s role in the life of the Australian
community. Interrogation of the concepts of community,
culture and development; cultural development and its
relationship to art and the new technologies.
Course: AA21
Credit Points: 12  Contact Hours: 3 per week

AAB273 PERFORMANCE
Introduction to a clearly defined rehearsal ethic through
extended performance project. Text analysis, formal
group discussion, role creation and rehearsal; live perfor­
mance of a scripted drama before an audience.
Course: AA21  Prerequisite: AAB202
Credit Points: 12

AAB274 THEATRECRAFT
Development of practical skills in workshop construc­
tion and pre-production areas of stage scenery, props and
costumes.
Course: AA21
Credit Points: 12  Contact Hours: 6 per week

AAB275 READING PERFORMANCE
Theories of analysis: script to performance, semiotics,
hermeneutics, reception studies, anthropology, phenom­
enology; theatrical actions and reactions, feminist stud­
ies. Objects of analysis include the classics, video/film,
musicals, dance theatre, installations, stand-up comedy,
opera, hybrid art forms and street theatre.
Course: AA21
Credit Points: 12  Contact Hours: 3 per week

AAB276 VISUAL THEATRE
Role of visual expression in theatrical events; elements
of space; approaches to researching design elements;
beating of text and resources on events; Western and
Eastern influences.
Course: AA21
Credit Points: 12  Contact Hours: 3 per week
AAB277 PHYSICAL THEATRE
Exercises and improvisation relating to physical performance; skills in circus, street theatre, popular theatre and acrobatic techniques. The practical components are contextualised by readings and discussions of the work of physical theatre exponents.
Course: AA21  Prerequisite: audition/interview
Credit Points: 12  Contact Hours: 3 per week

AAB278 TECHNICAL THEATRE
Introductory technical knowledge and skills in theatrical lighting and sound operation necessary to stage a production in a small theatre with a minimum of support staff.
Course: AA21
Credit Points: 12  Contact Hours: 3 per week

AAB279 THEATRE FOR YOUNG PEOPLE
Youth theatre, young people's theatre, theatre in education and community theatre. Strategies for working with young people that take account of contemporary cultural currents; incorporated use of tools such as electronic media to focus on young people's cultural consumption and production.
Course: AA21, ED50
Credit Points: 12  Contact Hours: 5 per week

AAB280 DRAMA AS SOCIAL ACTION
Combination of practical and theoretical investigation into the process of improvisation and the way drama can be used as a tool for critical enquiry and social change. Provides basis for further work in writing for performance and advanced improvisational skills.
Course: AA21, ED22, ED50  Prerequisite: AAB214
Credit Points: 12  Contact Hours: 3 per week

AAB281 DIRECTING FOR THEATRE
Analysis of the director's role in production management including play selection, resource auditing, pre-production analyses, time, budget and resource planning, design, technical effects, promotion and publicity and the responsibilities of health, safety and ethical issues.
Course: AA21
Credit Points: 12  Contact Hours: 3 per week

AAB282 WRITING FOR PERFORMANCE
Exercises in aspects of writing performance text; evaluation of a piece of new writing: the generation, polishing and formatting of original performance text; acting as dramaturge in the development of the text of a fellow student.
Course: AA21
Credit Points: 12  Contact Hours: 4 per week

AAB289 TECHNICAL PRODUCTION 1
Development of basic skills in theatrical lighting and sound operation and their integration into the overall production process.
Course: AA21  Prerequisite: AAB202
Credit Points: 12  Contact Hours: 6 per week

AAB290 TECHNICAL PRODUCTION 2
Continuation of creative use of lighting and sound in performances. Introduction to lighting and sound design.
Course: AA21  Prerequisite: AAB289
Credit Points: 12  Contact Hours: 6 per week

AAB291 TECHNICAL PRODUCTION 3
Broadening of skills base in areas of lighting and sound into drama, contemporary dance, ballet, opera, musicals, concerts and television productions.
Course: AA21  Prerequisite: AAB290
Credit Points: 12  Contact Hours: 21 per week

AAB292 STAGE AND TECHNICAL MANAGEMENT 1
Introduction to coordination of a live theatre production including theatre layout and terminology, role of the stage manager, duties and responsibilities from pre-rehearsal to close of season, communication procedures, rehearsal room procedures.
Course: AA21
Credit Points: 12  Contact Hours: 4 per week

AAB293 STAGE AND TECHNICAL MANAGEMENT 2
Introduction to the management issues in areas of stage mechanics, flying, props and wardrobe and preparation of students to undertake performance crew roles in these departments.
Course: AA21  Prerequisite: AAB292
Credit Points: 12  Contact Hours: 4 per week

AAB294 STAGE AND TECHNICAL MANAGEMENT 3
Broadening the skills base for stage managers into opera, ballet, modern dance, concerts and television, including the responsibilities of production management.
Course: AA21  Prerequisite: AAB293
Credit Points: 12  Contact Hours: 4 per week

AAB304 FORMING KNOWLEDGE
The approaches to art taken by major aestheticians; the characteristics and significance of the aesthetic field; the way the arts contribute to the development of mind and knowledge; modes of knowing, propositional knowledge and tacit understanding.
Courses: AA21, ED50
Credit Points: 12  Contact Hours: 3 per week

AAB410 ART CURRICULUM DESIGN & DEVELOPMENT
Major art curriculum approaches as found in the literature and a variety of art syllabus support documents. Analysis of art curriculum planning models; design and development of art programs for schools; production of art resources to support curriculum.
Course: ED26
Credit Points: 12  Contact Hours: 3 per week

AAB411 DRAMA ACROSS THE CURRICULUM
Process models of drama applied to curriculum; drama methods, dramatic contexts and power in the classroom; content analysis and planning; implementation of lesson sequence based on dramatic action; preparation of curriculum materials. Compulsory study school for external students.
Course: ED26
Credit Points: 12  Contact Hours: 3 per week

AAB412 ART CURRICULUM STUDIES 1
Students develop planning and teaching skills in selected curriculum areas. Content includes: the nature of the curriculum area/discipline; its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Course: ED50, ED54  Prerequisites: 48 credit points in each relevant discipline area.
Credit Points: 12  Contact Hours: 3 per week

AAB413 ART CURRICULUM STUDIES 2
Extends AAB412; curriculum development within the context of contemporary policies, frameworks and agencies; principles of measurement, assessment and evaluation; teaching and learning strategies; directions in curriculum development.
Course: ED50, ED54  Prerequisite: AAB412
Credit Points: 12  Contact Hours: 3 per week
Students develop planning and teaching skills in selected curriculum areas; the nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.

Course: ED50, ED54

Credit Points: 12
Contact Hours: 3 per week

AAB415 DRAMA CURRICULUM STUDIES 2
Extends AAB414; curriculum development within the context of contemporary policies, frameworks and agencies; principles of measurement, assessment and evaluation; teaching and learning strategies; directions in curriculum development.

Course: ED50, ED54

Prerequisite: AAB414
Credit Points: 12
Contact Hours: 3 per week

AAB421 FOUNDATION ART STUDIES
Participation in the process of solving broad-ranging visual problems through developing ideas, recording information and forming solutions to visual problems; seeks to develop genuine enquiry and the attainment of appropriate levels of competence of techniques, materials and resources to bring ideas to fruition.

Course: ED50

Credit Points: 12
Contact Hours: 4 per week

AAB447 DRAWING
Examination of established systems of drawing by historical reference and exploration of materials; methods by which shape and volume can be determined by drawing techniques; the line as a means of expression and communication; methods and techniques for creating solid form by the use of various media; perspective; rendering; perceptual organisation and expressive effects; use of drawing for teachers who require visual expression and delineation within their areas.

Courses: AA71, ED22, ED26, ED50

Credit Points: 12
Contact Hours: 3 per week

AAB449 EDUCATIONAL DRAMA
Not offered in 1996. Practical introduction to educational drama techniques: teacher-in-role, enrolment of students, dramatic exercises, analogies, simulations; fieldwork project; planning, teaching and evaluating a simple program. Incompatible with tertiary studies in drama or substantial experience in teaching drama.

Course: ED26

Credit Points: 12
Contact Hours: 3 per week

AAB455 COMPUTER GRAPHICS
An introduction to 2D and 3D image generation, manipulation and output through the critical study of systems, software, procedures and applications. Students develop a core understanding of the current characteristics and potentialities embedded in the technology.

Courses: AA71, ED22, ED26, ED5

Credit Points: 12
Contact Hours: 3 per week

AAB457 SCULPTURE
Students will be expected to observe, question and explore issues to reach solutions that will reflect an individual imagination. Knowledge and skills that apply to sculpture will be pursued.

Courses: AA71, ED22, ED26, ED50, ED51, ED52

Credit Points: 12
Contact Hours: 3 per week

AAB601 MUSICIANSHIP 1
Reading skills acquired by the study of material in a variety of harmonic contexts. Keyboard skills: extension of existing skills by application of scales, intervals, chord formation in sight reading, accompanying and improvisation at the keyboard (year-long unit).

Course: AA51

Credit Points: 12
Contact Hours: 2 per week

AAB602 MUSICIANSHIP 2
Continuation of AAB601 with emphasis on developing a heightened awareness of the musical structure, organisation and quality of sound (year-long unit).

Course: AA51

Prerequisite: A grade of 4 or above in AAB601
Credit Points: 12
Contact Hours: 2 per week

AAB604 WRITING TECHNIQUES 1
A focus on diatonic harmony using written exercises and original compositions. Content includes melody writing, four-part vocal score, short pieces for piano, cycle of fifths and choral cadences, introductory jazz harmony and the use of computers for music writing (year-long unit).

Course: AA51

Credit Points: 12
Contact Hours: 2 per week

AAB605 WRITING TECHNIQUES 2
A focus on chromatic harmony and twentieth century techniques through written exercises and original composition (year-long unit).

Course: AA51

Prerequisite: A grade of 4 or above in AAB604
Credit Points: 12
Contact Hours: 2 per week

AAB606 PRINCIPAL STUDIES 1
Designated unit. Development of strong and reliable technique on a chief practical instrument, voice or composition. Analysis, interpretation and performance skills and appropriate public presentation in performance. Improvisation (Jazz and Popular Music students only) (year-long unit).

Course: AA51

Credit Points: 24
Contact Hours: 4 per week

AAB607 PRINCIPAL STUDIES 2
Designated unit. Further study of a range of solo repertoire on a chief practical instrument or voice, or the study of a range of compositional practices and methods. Repertoire is chosen appropriate to the students' developing technical and interpretative skills; performance seminar, concert and directed ensemble. Improvisation (Jazz and Popular Music students only) (year-long unit).

Course: AA51

Prerequisite: AAB606
Credit Points: 24
Contact Hours: 4 per week

AAB608 PRINCIPAL STUDIES 3
Consolidation and extension of studies leading to a solo public recital in semester two. Performance seminar, directed ensemble and concert attendance. Improvisation (Jazz and Popular Music students only) (year-long unit).

Course: AA51

Credit Points: 24
Contact Hours: 4 per week

AAB609 MUSIC IN WESTERN CIVILISATION 1
Overview of musical history and styles from late medieval times to the end of Baroque period within the context of Western culture.

Course: AA51

Credit Points: 12
Contact Hours: 4 per week

AAB610 MUSIC IN WESTERN CIVILISATION 2
Overview of musical history and styles from the Classical period up to the present day within the context of Western culture.

Course: AA51

Credit Points: 12
Contact Hours: 4 per week
AAB611 MUSIC FROM 1600 TO 1750
Music Literature and Analysis: study of the history and stylistic development of late Renaissance, Baroque and Early Classical music in its social and cultural context; analytical studies of a range of representative works dealing with stylistic characteristics and compositional processes.
Course: AA51  Prerequisite: AAB609 or AAB610  Credit Points: 12  Contact Hours: 3 per week

AAB612 MUSIC FROM 1750 TO 1900
Music Literature and Analysis: study of the history and stylistic development of Classical and Romantic music in its social and cultural context; analytical studies of a range of representative works dealing with stylistic characteristics and compositional processes.
Course: AA51  Prerequisite: AAB609 or AAB610  Credit Points: 12  Contact Hours: 3 per week

AAB613 MUSIC FROM 1900 TO 1950
Music Literature and Analysis: historical overview of the various major styles of twentieth-century music with major emphasis on Debussy, the Second Viennese School, Bartok and Stravinsky: analysis of selected key works of the period.
Course: AA51  Prerequisite: AAB609 or AAB610  Credit Points: 12  Contact Hours: 3 per week

AAB614 MUSIC FROM 1950 TO PRESENT
Music Literature and Analysis: listening, analysis and study of the music of composers representing a broad international spectrum of the major styles of the period.
Course: AA51  Prerequisite: AAB609 or AAB610  Credit Points: 12  Contact Hours: 3 per week

AAB615 JAZZ AND POPULAR MUSIC
Music Literature and Analysis: a sociological and musicological survey of Western popular music this century encompassing a range of styles and forms, including blues, pre-modern jazz, modern jazz, pop and youth culture.
Course: AA51  Credit Points: 12  Contact Hours: 3 per week

AAB616 ENSEMBLE 1
Students experience the cooperative interaction of music making as a participant in large ensembles, chamber music or small combo activity. (Year-long unit available only with the approval of Unit Coordinator.)
Course: AA51  Prerequisite: AAB606  Credit Points: 12  Contact Hours: 4 per week

AAB617 CHORAL AND INSTRUMENTAL ARRANGING
Development of arranging skills for instrumental/choral ensembles using music of various styles.
Course: AA51  Credit Points: 12  Contact Hours: 3 per week

AAB618 COMPOSITION FOR FILM AND TELEVISION
Continuation of the development of computer sequencing and compositional skills. Incorporates a shift in focus towards film and video time coding, film analysis and visual and thematic coding.
Course: AA51  Prerequisite: AAB604  Credit Points: 12  Contact Hours: 3 per week

AAB619 INTRODUCTION TO MUSIC TECHNOLOGY
Introduces students to the broad range of options available to the musician in the age of technology. Through the universal electronic language of MIDI students explore sequencers as a tool for composition.
Course: AA51  Prerequisite: Ability to read common practice notation  Credit Points: 12  Contact Hours: 3 per week

AAB620 INTRODUCTION TO POPULAR SONG COMPOSITION
Continues the development of MIDI sequencing skills while the focus moves from the technology itself to the application of skills in the area of Popular Music Composition and Arrangement.
Course: AA51  Prerequisite: AAB604  Credit Points: 12  Contact Hours: 3 per week

AAB621 STUDIO RECORDING TECHNIQUES
Study of basic acoustics, recording procedures and equipment, critical analysis and discussion of recordings, recording projects involving a variety of ensembles.
Course: AA51  Credit Points: 12  Contact Hours: 3 per week

AAB622 SECOND STUDY 1
Widens the base of students' practical skills through the study of a second instrument or voice. (Students normally choose an instrument closely related to that of their Principal Study.) (Year-long unit available to AA51 students only.)
Course: AA51  Prerequisite: Consent of Course Coordinator  Credit Points: 12  Contact Hours: 4 per week

AAB623 CHORAL CONDUCTING
Introduces students to a wide range of choral music and styles and assists them to achieve artistic objectives in music performance through conducting workshop activities including practical conducting, stylistic practices, repertoire and rehearsal and performance techniques.
Course: AA51  Prerequisite: AAB605  Credit Points: 12  Contact Hours: 3 per week

AAB624 COMPUTER MUSIC
Introduces students to algorithmic composition, interactive composition and performance, sound synthesis, contemporary compositional techniques, computer performance interfaces and live performance practices in computer music.
Course: AA51  Prerequisite: AAB604 and AAB619  Credit Points: 12  Contact Hours: 3 per week

AAB625 INSTRUMENTAL CONDUCTING
Introduces students to a wide range of instrumental works and styles and assists them to achieve artistic objectives in music performance through conducting workshop activities including practical conducting, score preparation and rehearsal techniques.
Course: AA51  Prerequisite: AAB605 and AAB610  Credit Points: 12  Contact Hours: 3 per week

AAB626 MUSIC AND SOUND FOR MULTIMEDIA
This unit deals with computer-assisted music composition, the role of music in non-linear structures, the effect and effect of sound in multimedia productions, sound effects and Foley techniques, introductory multimedia authoring, musical acoustics and digital sound theory.
Course: AA51  Prerequisite: AAB601 or AAB619  Credit Points: 12  Contact Hours: 3 per week

AAB627 STUDIO MUSIC TEACHING
This unit is designed to give students a structured approach to the teaching of their craft in the studio and to investigate and develop those pedagogical skills and personal attributes necessary to become successful teachers.
Course: AA51  Prerequisite: AAB606 or equivalent  Credit Points: 12  Contact Hours: 3 per week

AAB628 SECOND STUDY 2
Continues the development of students' practical skills through the study of a second instrument or voice. (Stu-
Students normally choose an instrument closely related to that of their Principal Study. (Year-long unit available to AA51 students only.)

Course: A51  Prerequisite: AAB622
Credit Points: 12  Contact Hours: 4 per week

**AAB629 ENSEMBLE 2**
Further development of the cooperative interaction of music making by participating in large ensembles, chamber music or small combo activity. (Year-long unit available only with the approval of Unit Coordinator.)
Course: A51  Prerequisite: AAB616
Credit Points: 12  Contact Hours: 4 per week

**AAB701 MODERNISM**
An examination of the concepts and movements that comprise twentieth-century modernism. Key themes such as avant-garde, modernism and modernity will be explored in detail, especially in relation to the theory and practice of avant-garde modernism.
Course: A71, ED50
Credit Points: 12  Contact Hours: 3 per week

**AAB712 CONTEMPORARY ART ISSUES**
Current practices in the visual arts are addressed by analysing and interpreting original works on exhibition, in stockrooms and in studios. By means of lectures, discussions and analysis of artworks and readings, the individual's awareness of the conceptual, historical and philosophical contexts concerning artists and the artworks is heightened.
Courses: A71, ED26, ED50
Credit Points: 12  Contact Hours: 3 per week

**AAB726 INTRODUCTION TO ART HISTORY**
Students are introduced to the basic thesaurus in the discipline of art history. Topics include approaches to art history; art as a symbolic object; art as commodity; the audiences for art; iconography, feminism and art history; semiotics, criticism and art history.
Course: A71  Prerequisite: ATB100
Credit Points: 12  Contact Hours: 3 per week

**AAB740 FOUNDATION ART PRACTICE 1**
Designated unit. Development of a self-sustaining, self-responsible art practice; fostering of appropriate research skills; encouragement of open flexible independent approach to formulating resolutions to conceptual and visual concerns; development of safe workshop practices, safe studio work habits and appropriate professional skills.
Course: A71
Credit Points: 24  Contact Hours: 12 per week

**AAB741 FOUNDATION ART PRACTICE 2**
Designated unit. Further development of a self-sustaining, self-responsible art practice; expansion of appropriate research skills; broadening of open flexible independent approach to formulating resolutions to conceptual and visual concerns; increased knowledge of safe workshop practices, safe studio work habits and appropriate professional skills.
Course: A71
Credit Points: 24  Contact Hours: 12 per week

**AAB742 STUDIO ART PRACTICE 1**
Designated unit. In consultation with studio staff, students formulate a program of work for the semester which allows students to investigate their own personal artistic direction, formulate and develop self-generated enquiry and acquire working methods, resources, skills and knowledge necessary to realise concepts.
Course: A71  Prerequisite: AAB741
Credit Points: 12  Contact Hours: 6 per week

**AAB743 STUDIO ART PRACTICE 2**
Designated Unit. In consultation with relevant staff, students should develop a program of studio work which builds on the previous semester's studies and sets appropriate goals for this semester. A more rigorous questioning of concept and artefact is required.
Course: A71  Prerequisite: AAB742
Credit Points: 12  Contact Hours: 6 per week

**AAB744 STUDIO ART PRACTICE 3**
Studies commenced in year two are built on and developed through sustained studio practice and independent research at an appropriately advanced level.
Course: A71  Prerequisite: AAB743
Credit Points: 12  Contact Hours: 6 per week

**AAB745 STUDIO ART PRACTICE 4**
Further development of studio work culminating in a graduating exhibition.
Course: A71  Prerequisite: AAB744
Credit Points: 12  Contact Hours: 6 per week

**AAB751 EXTENDED STUDIO PRACTICE 1**
Extension of practical studio units of core media studies or elective studio units. (Note: contract approval by the Unit Coordinator is required.)
Course: A71, A81, ED22, ED26, ED50, ED51, ED32
Credit Points: 12  Contact Hours: 6 per week

**AAB752 EXTENDED STUDIO PRACTICE 2**
Extension of practice studio units or core media studies or elective studio units.
Course: A71, A81, ED22, ED26, ED50
Credit Points: 12  Contact Hours: 6 per week

**AAB753 EXTENDED STUDIO PRACTICE 3**
Extension of practice studio units or core media studies or elective studio units.
Course: A71, A81
Credit Points: 24  Contact Hours: 12 per week

**AAB754 EXTENDED STUDIO PRACTICE 4**
Extension of practice studio units or core media studies or elective studio units.
Course: A71, A81
Credit Points: 24  Contact Hours: 12 per week

**AAB801 FOUNDATIONS OF COMMUNICATION DESIGN I**
Visual design and its application in communication; exploration of fundamental human interface and graphic concepts; overview of media and variety of design practices.
Course: A81
Credit Points: 12  Contact Hours: 3 per week

**AAB802 FOUNDATIONS OF COMMUNICATION DESIGN II**
Design priorities/alternatives, interpretation of ideas, representation in visual systems, refinement of concepts, problem solving through presentation of models.
Course: A81  Prerequisite: AAB801
Credit Points: 12  Contact Hours: 3 per week

**AAB807 MEDIA TECHNOLOGY 1**
The application of computers and digital technologies to the processes of visual communication design: computers, operating systems and networks; 2-D graphic systems; basic programming.
Course: A81
Credit Points: 12  Contact Hours: 3 per week

**AAB808 MEDIA TECHNOLOGY 2**
Continuation of application of computers and digital technologies to the processes of visual communication design: page layout and design; screen layout and design; human-computer-interface design; intermediate programming.
AAB811 HISTORY OF DESIGN AND MEDIA TECHNOLOGY
Major design developments in society from the nineteenth century: the impact of the Industrial Revolution on design; the convergence of media technology and visual communication; post-war movement towards greater specialization within design applications.
Course: AAB811
Credit Points: 12
Contact Hours: 3 per week

AAB911 EXPLORING MUSIC 1
Aural awareness, literacy and musicianship through vocal skills, both solo and ensemble.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

AAB912 EXPLORING MUSIC 2
Instrumental music forms with emphasis on recorder skills. Conducting, rehearsing and performing techniques will be developed.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

AAB913 EXPLORING MUSIC 3
This unit involves a series of lectures on score reading, sight-singing, ensemble singing techniques, rehearsal and conducting skills. Aural training, music writing techniques and music technology skills are developed.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

AAB914 VISUAL & PERFORMING ARTS CURRICULUM 1
An in-depth study of either dance and drama, music or the visual arts; the place of the arts in a balanced curriculum; defining the arts; differences and commonalities; the arts and knowledge; the arts and integration across the primary curriculum.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

AAB915 VISUAL & PERFORMING ARTS CURRICULUM 2
An in-depth study of dance and drama, music or the visual arts; the place of the arts in a balanced curriculum; resourcing the arts; assessment and the arts; the arts and students with special needs; artists and education; the arts in a multicultural society.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

AAB916 ADVANCED VISUAL & PERFORMING ARTS CURRICULUM
The curriculum of dance, drama, music or visual arts to an advanced level; designing and implementing programs in one of the disciplines for the primary school; action research in the classroom to monitor and evaluate an arts curriculum project.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

AAB917 THE ARTS & THE WHOLE CURRICULUM
Using the arts in the primary school to integrate and synthesize cultural and historical movements, facts and values; models for planning and delivering an integrated curriculum driven by arts processes; forming multi-disciplinary teams to design, implement and evaluate a curriculum project in schools.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

AAB918 ARTS FOUNDATION STUDIES
Foundation experiences introducing the art forms of dance, drama, music and the visual arts; the purposes and functions of the arts in society; practical workshops in each discipline; visits to galleries and theatres in a range of community contexts.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

AAN001 ARTS RESEARCH METHODS 1
Research in the arts; defining the research tradition; qualitative research; emerging arts research processes; reporting of research findings.
Course: AT22
Credit Points: 12
Contact Hours: 3 per week

AAN002 ARTS RESEARCH METHODS 2
An application of the understandings gained in AAN001 to a selected area. Normally the student will produce an interpretive analysis in a written presentation of 5,000 words.
Course: AT22
Credit Points: 12
Contact Hours: 3 per week

AAN003 AESTHETIC CODES IN CONTEMPORARY SOCIETY
Theories of art within the discipline of aesthetics. Five key questions are addressed, against a background of contemporary Western society.
Course: AA24, AT22
Credit Points: 12
Contact Hours: 3 per week

AAN004 GRADUATE SEMINAR
A seminar series for Honours and Masters students involving presentations by guests; in addition, staff discuss current research interests, and students report on issues arising in their own thesis work.
Course: AT22
Credit Points: 12
Contact Hours: 3 per week

AAN005 ADVANCED ARTS PROJECT
This unit may be preparatory to the major research project of the Masters course. The project may be articulated with the final major project, in order to establish the initial framework of the major project, and involve technical and conceptual guidance from the relevant supervisor as required. Length of written presentation (or alternative format) to be determined in consultation with the supervisor.
Course: AT22
Credit Points: 24

AAN006 INDEPENDENT STUDY
Independent work of an artistic or scholarly nature which is of limited scope compared with the research project. The student devises an outline of study and/or action in consultation with a staff supervisor. Artistic outcomes would normally be expected to be to the standard of public viewing. Written presentation requires a minimum of 6,000-10,000 words, or equivalent if other media/reportage is used.
Course: AA24
Credit Points: 12

AAN011 ADVANCED PROFESSIONAL PRACTICE 1
An investigation of the student's professional practice through observation and research in consultation with the supervisor.
Course: AA24
Credit Points: 12

AAN012 ADVANCED PROFESSIONAL PRACTICE 2
Extension and elaboration of the student's professional practice through evaluation and analysis in consultation with the supervisor.
Course: AA24
Credit Points: 12
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hours</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>AAN013</td>
<td>ADVANCED PROFESSIONAL PRACTICE 3</td>
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<td>A significant artistic outcome as part of the student's skills development including research, rehearsal and preparation for an exhibition or performance.</td>
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<td>Course: AA24</td>
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<td>AAN101</td>
<td>ADVANCED DANCE ANALYSIS</td>
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<td>Students make an in-depth study of the life and work of a chosen choreographer.</td>
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<td>Course: AT22</td>
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<td>AAN102</td>
<td>ADVANCED COMPOSITION</td>
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<td></td>
<td>The links between technology and dance in the areas of light and sound; the principal elements of dance design. Students are expected to implement a major individual project that involves the application and integration of a range of technological devices/ processes.</td>
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<td>AAN200</td>
<td>DRAMATURGY</td>
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<td>An investigation of the role of the dramaturge in Western cultures, particularly the emerging role of the dramaturge in Australian theatre; the methodologies of the dramaturge; the criteria used for script assessment, and a comparative study of the role of the script editor/story editor in the screen writing industry.</td>
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<td>AAN201</td>
<td>CONTEMPORARY AUSTRALIAN PLAYWRIGHTS</td>
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<td>Students study a number of current Australian playwrights; seminar papers focus on each writer, with input from directors, actors and writers.</td>
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<td>AAN202</td>
<td>TEXTUAL ANALYSIS</td>
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<td>Analysis of a variety of cultural products selected from a cross-section of contexts, genre and media; an introduction to some of the major theoretical issues and concerns underlying contemporary developments in the fields of cultural analysis and literary criticism.</td>
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<tr>
<td>AAN501</td>
<td>MUSIC HISTORY, LITERATURE &amp; ANALYSIS</td>
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<td>Study of the history and stylistic development of romantic and impressionist music in its social and cultural context; analytical studies (dealing particularly with stylistic characteristics and compositional processes) of a range of representative works.</td>
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<td>Course: AT22</td>
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<tr>
<td>AAN502</td>
<td>INSTRUMENTAL ARRANGING</td>
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<td>Development of arranging skills, using music of various styles; theory of arranging; practical arranging (small group); arrangement performance for large group (orchestra or band).</td>
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<td>AAN700</td>
<td>CONTEMPORARY DEBATES ON THE NATURE OF ART</td>
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<td>Contemporary trends in the visual arts, nationally or internationally. The effect of the information revolution, technology and changing modes of world government and their economic/marketing implications. The relationship between modernism and post-modernism. The development of new conventions and values. A broad sense of post-structuralist critical tools employed in visual analysis.</td>
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<td>Course: AA24</td>
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<td>AAN421</td>
<td>DANCE CURRICULUM STUDIES 1</td>
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<td>Provides a theoretical context and considers practical applications in curriculum planning and teaching and learning strategies; examines the roles of the teacher in the community and the profession.</td>
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<td>Course: ED32, ED37</td>
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<td>Prerequisite: AAP420</td>
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<td>Corequisite: EDP451</td>
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<td>AAN422</td>
<td>DRAMA CURRICULUM STUDIES 1</td>
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<td>See AAN421.</td>
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<td>Course: ED32, ED37</td>
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<td>Prerequisite: AAP420</td>
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<td>AAN423</td>
<td>MUSIC CURRICULUM STUDIES 1</td>
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<td>Course: ED32, ED37</td>
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<td>Prerequisite: AAP420</td>
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<td>AAN424</td>
<td>VISUAL ARTS CURRICULUM STUDIES 1</td>
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<td>Course: ED32, ED37</td>
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<td>Prerequisite: AAP420</td>
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<td>AAN429</td>
<td>DANCE CURRICULUM STUDIES 2</td>
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<td>Development of understanding and skills for learning; assessment issues and techniques; philosophical concepts relevant to dance education.</td>
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<td>AAN430</td>
<td>DRAMA CURRICULUM STUDIES 2</td>
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<td>Advanced practical applications in assessment, curriculum planning and teaching/learning strategies in the relevant visual and performing arts area.</td>
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<td>AAN431</td>
<td>MUSIC CURRICULUM STUDIES 2</td>
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<td>AAN432</td>
<td>VISUAL ARTS CURRICULUM STUDIES 2</td>
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<td>Course: ED32, ED37</td>
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<td>AAN433</td>
<td>MUSIC CURRICULUM STUDIES 2A</td>
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<td>Extension studies in methods of teaching and curricula relevant to specialist teachers of instrumental, secondary or primary music.</td>
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<td>Course: ED37</td>
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<td>AAN434</td>
<td>MUSIC CURRICULUM STUDIES 1A</td>
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<td>A specialist extension study in curriculum for students planning a career as a primary, secondary or instrumental music specialist in schools; materials and appropriate methods of teaching related to music in the wider school curriculum outside the classroom.</td>
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<tr>
<td>AAN501</td>
<td>ART CURRICULUM FOUNDATIONS</td>
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<td>The aims, content and agenda of historical and contemporary art education orientations; assumptions by movements in relation to art theories, child development, teacher's role and classroom practice; investigation of strengths and weaknesses, theory and practice</td>
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<td>Course: AA24</td>
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and historical, social and intellectual influence on past and present art education philosophies.

Courses: ED22, ED26
Credit Points: 12  Contact Hours: 3 per week

AAPS102 ART EDUCATION PROGRAM

Design and implementation of defensible art education programs at broad and specific school levels; the learning outcomes of art activities; classroom practice and evaluation across all levels of schooling.

Courses: ED22, ED26, ED51  Prerequisite: AAPS01
Credit Points: 12  Contact Hours: 3 per week

AAPS103 CLAY MATERIALS

Develop ceramic knowledge, artistic concepts and practical/technical skills; investigation of selected historical ceramic eras; understanding of the relationship between ceramics and the maker's culture; development of personal imagery and design.

Courses: ED22, ED26, ED50, ED51, AA71
Credit Points: 12  Contact Hours: 3 per week

AAPS105 FIBRE

Historical and contemporary textile media; development of technical and conceptual textile knowledge; utilisation of fibre/textile materials and processes to develop both 2 and 3 Dimensional textile artefacts/objects; the relationship between textile arts and selected cultures; particularly in relation to fashion design, individual development of design, construction and decoration techniques and textile imagery.

Courses: ED22, ED26, ED50, ED51, AA71
Credit Points: 12  Contact Hours: 3 per week

AAPS107 PAINTING

Introducing and developing an active awareness of both historical and contemporary issues in painting and drawing through studio practice and tutorials; the skills appropriate to the range of available media pursued in studio class and professional practice.

Courses: ED22, ED26, ED50, ED51, AA71
Credit Points: 12  Contact Hours: 3 per week

AAPS108 PHOTOGRAPHIC MEDIA

Photographic processes; aesthetic aspects of photography; history of art and photography; personal approaches to photography.

Courses: ED22, ED26, ED50, ED51, AA71
Credit Points: 12  Contact Hours: 3 per week

AAPS111 PRINTMAKING

Relief printmaking: raised and incised blocks in lino; wood and glued materials; intaglio printmaking: etching, engraving, dry point and aquatint; planographic printmaking: lithography, monoprints and transfer prints; stencil printmaking: silk screening and photographic stencils; presentation of prints.

Courses: ED22, ED26, ED50, ED51, AA71
Credit Points: 12  Contact Hours: 3 per week

AAPS112 DANCE COMPOSITION 1

Discussion and theoretical understanding of dance composition; practical exploration of skills essential for dance composition including: establishment of approach or theme, style of movement, patterning of movement, phrasing of steps, selection and structuring of completed dance segments.

Course: AA09
Credit Points: 8  Contact Hours: 2 per week

AAPS113 DANCE COMPOSITION 2

Discussion and investigation of dance forms; preparation and presentation of short solo and group sequences; practical experience in group dance through improvisation and set compositional studies; discussion and criticism of presented dance work; discussion of criteria for evaluation and assessment of dance works. Choreography of a work for public performance.

Courses: AA09  Prerequisite: AAPS101
Credit Points: 8  Contact Hours: 2 per week

AAPS114 DANCE KINESIOLOGY & ALIGNMENT

Principles governing human stability and motion: ways muscles work to produce dance movement; machines of the body; movement and dance injuries.

Course: AA09
Credit Points: 8  Contact Hours: 2 per week

AAPS115 DANCE STYLES 1

Study of folk dance, tap dance and jazz dance styles. Practical work includes: folk steps and dances from selected parts of the world; tap and jazz dance combinations and routines for performance.

Course: AA09
Credit Points: 8  Contact Hours: 3 per week

AAPS116 DANCE STYLES 2

Development of dancing and singing skills; composition of dance routines for chorus; dramatic aspects of music comedy; tap dance combinations and routines, study of character and jazz styles; practical work includes basic technique, step combinations, solo and group choreographic work.

Courses: AA09
Credit Points: 8  Contact Hours: 3 per week

AAPS117 DANCE STYLES 3

Designated Unit. Study of selected repertoire pieces; rehearsal of individual aspects of the repertoire work; performance of all or part of the selected repertoire; preparation for rehearsals and performance; technique and dress rehearsals; critical evaluation during season and post-performance evaluation.

Course: AA09
Credit Points: 12

AAPS118 DANCE STYLES 4

Designated Unit. Continuation of studies initiated in AAPS117.

Course: AA09  Prerequisite: AAPS117
Credit Points: 16

AAPS119 DANCE STYLES 5

Designated Unit. Continuation of AAPS118.

Courses: AA09  Prerequisite: AAPS118
Credit Points: 16

AAPS120 DANCE HISTORY

Early development of dance technique; social and religious functions of dance; dance throughout the Renaissance period; the European and Russian contribution to classical ballet; the rise of modern dance in Europe and America; dance in Australia.

Course: AA09
Credit Points: 8  Contact Hours: 1.5 per week
■ AAX116 STAGECRAFT
Basic principles of stage production including make-up, stage lighting design and operation; sound recording and operation, costuming for dance including properties of fabric design and construction.
Courses: AA09
Credit Points: 8 Contact Hours: 2 per week

■ AAX117 BALLET TECHNIQUE 1
Designated Unit. The study of ballet technique within the four-tier practical levels system. Principles governing the technique: practical work includes barre work, pas de deux, allegro, pirouettes, adagio, pointe work and pas de deux.
Course: AA09
Credit Points: 8 Contact Hours: 9 per week

■ AAX118 BALLET TECHNIQUE 2
Designated Unit. Continuation of study initiated in AAX117.
Course: AA09 Prerequisite: AAX117
Credit Points: 8 Contact Hours: 7.5 per week

■ AAX119 BALLET TECHNIQUE 3
Designated Unit. Consolidation of technique; study of differing stylistic approaches to the ballet technique through the four-tier levels system.
Course: AA09 Prerequisite: AAX118
Credit Points: 8 Contact Hours: 9 per week

■ AAX120 BALLET TECHNIQUE 4
Designated Unit. Technique classes of advanced standard incorporating difficult exercise combinations, with an emphasis on performance quality and style within the four-tier levels system.
Course: AA09 Prerequisite: AAX119
Credit Points: 8 Contact Hours: 7.5 per week

■ AAX121 CONTEMPORARY TECHNIQUE 1
Designated Unit. The study of contemporary dance techniques within the four-tier levels system. Practical work includes floor work, centre work and basic combinations to develop flexibility, strength and co-ordination; vocabulary of contemporary dance techniques.
Course: AA09
Credit Points: 8 Contact Hours: 9 per week

■ AAX122 CONTEMPORARY TECHNIQUE 2
Designated Unit. Continuation of study initiated in AAX121.
Course: AA09 Prerequisite: AAX121
Credit Points: 8 Contact Hours: 7.5 per week

■ AAX123 CONTEMPORARY TECHNIQUE 3
Designated Unit. Consolidation of technical knowledge: increased degree of difficulty in turning and jumping sequences; rapid changes of weight and off-balance work within the four-tier levels system.
Course: AA09 Prerequisite: AAX122
Credit Points: 8 Contact Hours: 7.5 per week

■ AAX124 CONTEMPORARY TECHNIQUE 4
Designated Unit. Advanced technique classes incorporating difficult exercise combinations with rapid changes of weight, level, direction; performance quality and style.
Course: AA09 Prerequisite: AAX123
Credit Points: 8 Contact Hours: 7.5 per week

■ ARB001 ARCHITECTURAL DESIGN 1
Introduction to design theory and methodology; design as an integrative process; aesthetic perceptions, graphic/presentation skills. Strategic learning at university. Introductory design exercises: simple elements and small scale urban spaces.
Courses: AR48, BN30
Credit Points: 12 Contact Hours: 8 per week

■ ARB002 ARCHITECTURAL DESIGN 2
Development of design understanding integrating contextual constraints and technology. Introductory design exercises: simple buildings, spaces and elements.
Courses: AR48, BN30 Prerequisite: ARB001
Credit Points: 12 Contact Hours: 8 per week

■ ARB003 ARCHITECTURAL DESIGN 3
Development of design understanding and ability with emphasis on social and environmental values. Theory and methodology: activity analysis, site analysis, integration of construction and climatic studies. Design projects generally of domestic scale.
Courses: AR48, BN30 Prerequisite: ARB002
Credit Points: 12 Contact Hours: 6 per week

■ ARB004 ARCHITECTURAL DESIGN 4
Development of design understanding and ability with emphasis on social and environmental values. Integration of design theory, sociological issues and technology. Design projects generally of domestic scale.
Courses: AR48, BN30 Prerequisite: ARB003
Credit Points: 12 Contact Hours: 6 per week

■ ARB005 ARCHITECTURAL DESIGN 5
Development of design understanding and ability with emphasis on 'place' and design in social and physical context. Design projects aimed at developing issues of context, landscape, ethics and values and integrating building construction, climatic design and contextual studies. Projects include groups of buildings of medium scale and increasing complexity.
Courses: AR48, BN30 Prerequisite: ARB005
Credit Points: 12 Contact Hours: 6 per week

■ ARB006 ARCHITECTURAL DESIGN 6
Development of design emphasis introduced in ARB005. Design projects to develop contextual issues and integrate considerations of climatic design, construction and building services. Projects include groups of buildings of medium to large scale.
Course: AR48 Prerequisite: ARB006
Credit Points: 24 (12 per semester) Contact Hours: 6 per week

■ ARB007 ARCHITECTURAL DESIGN 7
Design projects used to develop theory, critical analysis and issues of architectural quality. Integration of design science, construction, building services, codes and standards. Projects include buildings and building groups of medium to large scale.
Course: AR48 Prerequisite: ARB007
Credit Points: 24 (12 per semester) Contact Hours: 6 per week

■ ARB008 ARCHITECTURAL DESIGN 8
Design projects used to develop individual approach and direction to architecture and to introduce urban design issues. Integration of building economics, services, technology and critical analysis. Projects include large scale civic or commercial developments in an urban context.
Course: AR48 Prerequisite: ARB008
Credit Points: 24 (12 per semester) Contact Hours: 6 per week

■ ARB011 CONTEXTUAL STUDIES 1
Human scale, anthropometry and ergonomics. Introduction to a progressive study of architectural history. Early buildings to nineteenth century.
Courses: AR48, BN30
Credit Points: 6 Contact Hours: 3 per week

■ ARB012 CONTEXTUAL STUDIES 2
Human behaviour; perceptions, learning, interpersonal communication and relationships, decision making, problem solving and stress management. Progressive study of architectural history to nineteenth century.
Courses: AR48, BN30 Prerequisite: ARB011
Credit Points: 8 Contact Hours: 3 per week
Human relationships: role of social and cultural variables in human environment interactions; theory of place; behaviour settings; privacy; personal space; territoriality; environmental meaning and cognition; cognitive maps and way-finding; risk perceptions; environmental stress; environmental evaluations; participatory design processes; Architectural history of the twentieth century; the modern movement; postmodern and recent. Introduction to design methodology; imagining, representing, testing, the VAST lists and an heuristic design model.

Courses: AR48, BN30
Credit Points: 8
Contact Hours: 4 per week

Human organisation, theory of formal organisations, Australian government structures, social analysis and forecasting, social interest groups. History of architecture in the twentieth century, the modern movement, postmodern and recent. Theories, styles and movements in architectural history.

Courses: AR48, BN30
Prerequisite: ARB013
Credit Points: 8
Contact Hours: 4 per week

The periods of Australian architectural development and important individual architects. Urban design theory, townscape, urban spaces, city form.

Courses: AR48, BN30
Credit Points: 8
Contact Hours: 2 per week

The legal system, statutory and common law, contract and tort, acts and regulations concerning the built environment, building codes of Australia. Queensland architectural heritage and contemporary architects. Principles for the analysis of design, factors affecting quality.

Courses: AR48, BN30
Prerequisite: ARB015
Credit Points: 8
Contact Hours: 2 per week

Architectural development in the Far East, Southeast Asia, the Pacific and South America. Planning of settlements, indigenous architecture, materials, techniques and construction, social, cultural and other influences, modernisation, current architectural issues. Theory and methods of critical analysis, critical appraisal of major works and architects, study of ideas and aesthetics.

Courses: AR48, BN30
Credit Points: 6
Contact Hours: 2 per week

Contemporary theories of design and aesthetics; ethics in architectural practice, current issues in architecture, changing roles and attitudes, trends and opportunities.

Courses: AR48, BN30
Credit Points: 6
Contact Hours: 2 per week


Courses: AR48, BN30
Credit Points: 8
Contact Hours: 3 per week

Principles of construction related to simple structures, construction systems, chemical properties and reaction of building materials. Introduction to computing in architecture.

Courses: AR48, BN30
Prerequisite: ARB021
Credit Points: 12
Contact Hours: 5 per week

Domestic scale building construction. Principles of structures, climate and sun control.

Courses: AR48, BN30
Credit Points: 12
Contact Hours: 4 per week

Domestic scale building construction, timber structural members and elements, climatic design, ventilation and airflow.

Courses: AR48, BN30
Prerequisite: ARB023
Credit Points: 12
Contact Hours: 4 per week

Steel construction, structures and structural elements, stairs, medium rise construction in reinforced concrete and masonry, hydraulic services, thermal behaviour of buildings.

Courses: AR48, BN30
Prerequisite: ARB024
Credit Points: 12
Contact Hours: 6 per week

Construction systems used in industrial and commercial buildings of medium to high rise. Reinforced concrete structures and structural elements. Curtain walls, acoustic and noise control. Building services and electricity, lifts, air conditioning.

Courses: AR48, BN30
Prerequisite: ARB025
Credit Points: 12
Contact Hours: 5 per week

Complex construction systems, specialised structures, integration of complex services, tall buildings. Case studies of special aspects of architecture technology.

Course: AR48
Prerequisite: ARB026
Credit Points: 6
Contact Hours: 2 per week


Course: AR48
Credit Points: 16 (8 per semester)
Contact Hours: 3 per week

Practice management, setting up a practice, office systems, marketing, building economics, finance, cost control, risk management, QA. Building procurement systems. Professional practice, ethics, services, liability, the building contract and contract administration.

Course: AR48
Prerequisite: ARB031
Credit Points: 16 (8 per semester)
Contact Hours: 3 per week

Standard contracts and contract administration. Issues in the profession, changing roles, new legislation.

Course: AR48
Prerequisite: ARB032
Credit Points: 16 (8 per semester)
Contact Hours: 2 per week

Elective unit drawn from an existing range of units available within the School and approved by Course Coordinator.

Course: BN30
Credit Points: 6
Contact Hours: 2 per week

The Elective unit is drawn from an existing range of units and approved by the Course Coordinator.

Course: BN30
Prerequisite: ARB033
Credit Points: 16 (8 per semester)
Contact Hours: 2 per week

Elective unit drawn from an existing range of units available within the Faculty of Built Environment and Engineering or another Faculty at QUT, and approved by the Course Coordinator.

Course: BN30
Credit Points: 6
Contact Hours: 2 per week
Course: BN30
Credit Points: 6
Contact Hours: 2 per week
- ARB044 ELECTIVE 4
Elective unit drawn from an existing range of units available within the Faculty of Built Environment and Engineering or another Faculty at QUT, and approved by the Course Coordinator.
Course: ARB044
Credit Points: 6
Contact Hours: 2 per week
- ARB045 ELECTIVE A
Elective unit drawn from a range presented by the School, available within the Faculty, elsewhere at QUT or external units subject to approval.
Course: ARB045
Credit Points: 6
Contact Hours: 2 per week
- ARB046 ELECTIVE B
Elective unit drawn from a range presented by the School, available within the Faculty, elsewhere at QUT or external units subject to approval.
Course: ARB046
Credit Points: 6
Contact Hours: 2 per week
- ARB051 RESEARCH METHODS
An overview of research methodology, examination of differences between research methods and products. Students will undertake a short, directed research project.
Course: ARB051
Credit Points: 6
Contact Hours: 2 per week
- ARB052 ARCHITECTURAL RESEARCH 1
The establishment of appropriate research methods and their development into a study proposal for an approved elected research topic. Establishment of objectives, delineation of areas, structuring research program, reading sources, analysis and preliminary conclusions, individual proposals.
Course: ARB052
Credit Points: 6
Prerequisite: ARB051
Contact Hours: 2 per week
- ARB053 ARCHITECTURAL RESEARCH 2
Continued development of approved research topic commenced in ARB052. Definition and analysis of propositions, validation by research. Research submission.
Course: ARB053
Credit Points: 24
Prerequisite: ARB052
Contact Hours: 6 per week
- ARB054 ARCHITECTURAL PROJECT
A major project selected by the student and approved by the Course Coordinator. By the end of the semester the student should demonstrate through the project the course objectives, expressed as values and attitudes, knowledge and skills.
Course: ARB054
Prerequisite: ARB053
Credit Points: 24
Contact Hours: 6 per week
- ARB061 ARCHITECTURAL APPLICATIONS 1
Application of theory and knowledge gained in corequisite units and development of graphic skills in studio exercises.
Course: ARB061
Credit Points: 12
Corequisites: ARB001, ARB011, ARB021
Contact Hours: 4 per week
- ARB062 ARCHITECTURAL APPLICATIONS 2
Application of theory and knowledge gained in corequisite units and development of graphic skills in studio exercises.
Course: ARB062
Credit Points: 6
Contact Hours: 3 per week
- ARB063 ARCHITECTURAL APPLICATIONS 3
Application of theory to architectural problems, with emphasis on architectural technology and science. Studio exercises and site visits.
Course: ARB063
Credit Points: 12
Corequisites: ARB003, ARB023
Contact Hours: 4 per week
- ARB064 ARCHITECTURAL APPLICATIONS 4
Application of theory to architectural problems, with emphasis on architectural technology and science. Studio exercises and site visits.
Course: ARB064
Credit Points: 8
Corequisites: ARB004, ARB024
Contact Hours: 4 per week
- ARB065 ARCHITECTURAL APPLICATIONS 5
Application of theory to architectural problems, with emphasis on architectural technology and science. Studio exercises and site visits.
Course: ARB065
Credit Points: 12
Corequisite: ARB025
Contact Hours: 4 per week
- ARB066 ARCHITECTURAL APPLICATIONS 6
Application of theory to architectural problems, with emphasis on architectural technology and science. Studio exercises and site visits.
Course: ARB066
Credit Points: 8
Corequisite: ARB025
Contact Hours: 4 per week
- ARB071 ENVIRONMENTAL STUDIES
The global ecosystem: the atmosphere and its processes, climate, air pollution, water cycles, water pollution, human population and demographic trends, renewable and non-renewable resources, land use, urbanism, the city as an ecosystem, national resource management and conservation.
Course: ARB071
Credit Points: 6
Contact Hours: 2 per week
- ARB141 THE HUMAN ENVIRONMENT 1
The dimensions and movement of the human body, and of its perceptual systems, as an essential preliminary to the design of all artefacts for human use. Topics include: static and dynamic anthropometry; human sensory systems: ergonomics; applications of anthropometrics and ergonomics to design.
Course: ARB141
Credit Points: 6
Contact Hours: 2 per week
- ARB146 INTRODUCTION TO INTERIOR TECHNOLOGY 1
Basic mechanics and the physical, thermal and optical properties of materials; physics of light, optics, photometry, laser, holograms; thermal properties of materials and components; solar energy and its application; physics of sound, hearing and environmental acoustics; electricity and electrical circuits.
Course: ARB146
Credit Points: 6
Contact Hours: 2 per week
- ARB147 HISTORY OF THE BUILT ENVIRONMENT 1
See PSB016.
Course: BN30
Credit Points: 6
Contact Hours: 3 per week
- ARB161 LIGHT AND COLOUR STUDIES 1
Introduction to an understanding of colour, colour vision, colour harmony and contrast, mixing and application of colour. An introduction to a range of contemporary colour theories relating to the use of colour. A further introduction to the study of the qualitative effects of colour and lighting on form and space.
Course: BN30
Corequisite: ARB176
Credit Points: 6
Contact Hours: 3 per week
■ ARB168 TECHNOLOGY AND SCIENCE 1
A study of physical principles: introduction to mathematics and applied technologies and how they relate to industrial design.
Course: BN30
Credit Points: 12 Contact Hours: 6

■ ARB176 INTRODUCTORY INTERIOR DESIGN 1
Introduction to design theory, methodology, and aesthetic perceptions. Exploring design as an interactive process. Introductory design exercises, simple two and three dimensional elements. Freehand sketching, mechanical drawing, principles of perspective, principles of scale drawing and presentation skills. Unit includes tertiary learning-to-learn process necessary for effective and successful study.
Course: BN30 Corequisite: ARB161
Credit Points: 18 Contact Hours: 9

■ ARB177 INTRODUCTORY INDUSTRIAL DESIGN 1
Introduction to basic design principles; three dimensional visual thinking; aesthetic perception; concept development of simple products; perspective drawing and presentation skills; strategic learning at university.
Course: BN30
Credit Points: 18 Proposed hours: 9

■ ARB185 TECHNOLOGY 2
Promote understanding and development of a basic knowledge of construction principles; building as a system; loads on buildings; performance of structural units; load bearing and skeletal construction systems.
Course: AR48
Credit Points: 6 Contact Hours: 3 per week

■ ARB191 THE HUMAN ENVIRONMENT 1
The dimensions and movement of the human body as a perpetual system for human use; static and dynamic anthropometry; human sensory systems; introduction to ergonomics; applications of anthropometrics and ergonomics to design.
Courses: AR41, AR48, BN30
Credit Points: 4 Contact Hours: 2 per week

■ ARB192 THE HUMAN ENVIRONMENT 2
Human needs and the influence of selected interpersonal and physical variables on human behaviour; the characteristics and dynamics of group behaviour, communication process types, and networks; concepts of power, leadership and conflict; observations of behaviour, research methods, interpretation and presentation of research; environmental stressors and their mediation by individual differences.
Courses: AR41, AR48
Credit Points: 4 Contact Hours: 2 per week

■ ARB193 DESIGN 1
Design theory; design definition; perception; elements and principles of design; effects of colour, texture, contour, pattern; human dimensions; anthropometrics, elements of aesthetics, Graphics: descriptive geometry; architectural graphics and rendering; freehand drawing and sketching. Design projects: two-dimensional and three-dimensional objects; personal working and living space.
Course: AR41
Credit Points: 8 Contact Hours: 5 per week

■ ARB194 DESIGN 2
See ARB193.
Course: AR41
Credit Points: 14 Contact Hours: 7 per week

■ ARB195 TECHNOLOGY 1
Courses: AR41, AR48
Credit Points: 4 Contact Hours: 2.5 per week

■ ARB196 TECHNOLOGY 2
See ARB195.
Courses: AR41, AR48
Credit Points: 6 Contact Hours: 2 per week

■ ARB197 HISTORY OF ARCHITECTURE & ART 1
The development of the artificial environment and its relationship to ideas, technology, architecture and the fine arts from the earliest times to the present.
Courses: AR41, AR48
Credit Points: 2 Contact Hours: 1 per week

■ ARB198 HISTORY OF ARCHITECTURE & ART 2
See ARB197.
Courses: AR41, AR48
Credit Points: 2 Contact Hours: 1 per week

■ ARB199 TECHNOLOGY 1
See ARB195.
Courses: AR41, BN30
Credit Points: 8 Contact Hours: 4 per week

■ ARB241 HISTORY OF THE BUILT ENVIRONMENT 2
A continuation of ARB197. History of the following from circa 1600 AD: ideas, art, and two of the following (one of which must be the student’s major discipline): town and country planning, landscape architecture, architecture, interior and industrial design.
Course: BN30
Credit Points: 6 Contact Hours: 3 per week

■ ARB242 TECHNOLOGY 2
See ARB195.
Course: BN30
Credit Points: 14 Contact Hours: 5 per week

■ ARB246 INTRODUCTION TO INTERIOR TECHNOLOGY 2
Course: BN30 Corequisite: ARB248
Credit Points: 12 Contact Hours: 5 per week

■ ARB249 THE HUMAN ENVIRONMENT 2
See PLB201.
Course: BN30
Credit Points: 6 Contact Hours: 2 per week

■ ARB251 ERGONOMICS FOR INDUSTRIAL DESIGNERS 1
Psychomotor skills; human information processing; human-machine interfaces; displays, controls, and tools; human-machine system properties; feedback and controls; workplace design; noise; stress; vibration; legal aspect; safety and product liability. Practical exercises in product design.
Course: BN30
Credit Points: 6 Contact Hours: 2 per week

■ ARB267 LIGHT AND COLOUR STUDIES
A further investigation of the relevance of colour theories, and the relevance and use of colour in interior de-
design. It deals with the understanding of the symbolic, physiological and psychological aspects of colour, within historical and contemporary contexts.

Courses: BN30
Credit Points: 6
Contact Hours: 3

- ARB268 TECHNOLOGY AND SCIENCE 2
  Introduction to chemical properties of materials; data collection analysis and statistics and relevant to industrial design.

Courses: BN30
Credit Points: 12
Contact Hours: 6

- ARB276 INTRODUCTORY INTERIOR DESIGN 2
  A further introduction to design theory, methodology and perception. To demonstrate the application of environmental issues; refine awareness and understanding by working collaboratively with people in designing three-dimensional spaces to suit their needs. Continuation of mechanical and freehand drawing presentation and development of written and verbal skills.

Courses: BN30
Corequisite: ARB176
Credit Points: 18
Contact Hours: 9

- ARB277 INTRODUCTORY INDUSTRIAL DESIGN 2
  Continuation of ARB177; studio work involving three-dimensional design tasks of a variety of scales; workshop and field teaching; techniques of oral and written presentation of schemes to audience; report writing; use of English as applicable to the professional needs.

Courses: BN30
Credit Points: 18
Contact Hours: 9

- ARB288 DESIGN SCIENCE 2
  Basic design for hot humid climates, principles governing air flow through and around buildings and space. Natural ventilation; air flow in cities. Testing of air flow through and around models. Basic design for hot arid climates and cold climates; macro and micro climatic conditions and their evaluation for design; manual and computerised climatic evaluation.

Courses: AR41, AR48, BN30
Credit Points: 2
Contact Hours: 1 per week

- ARB289 DESIGN SCIENCE 1
  The principles of science and their implications for the design of buildings and spaces; the application of these in the conceptual stages of design, laboratory tests and computer evaluations of proposals. Quantity and quality of light; day lighting in buildings; manual and computerised projection of solar shadows. Testing of models on heliodon and artificial sky.

Courses: AR41, AR48, BN30
Credit Points: 2
Contact Hours: 1 per week

- ARB290 INTRODUCTION TO COMPUTING 2
  Computer as tool for drafting; line graphics; plotting, symbol libraries; dimensioning; computer drafting and office organisation; comparison of available software packages.

Courses: AR41, AR48, BN30
Credit Points: 2
Contact Hours: 1 per week

- ARB291 THE HUMAN ENVIRONMENT 3
  The social and cultural development of Australian urban environments, local built environments; study of human functioning in urban environments, privacy, personal space, territoriality, environmental meaning and cognition, cognitive maps and wayfinding, intercultural and intracultural differences. Application via examination and analysis of an urban environment with respect to its socio-cultural function.

Courses: AR41, AR48, BN30
Credit Points: 6
Contact Hours: 2 per week

- ARB292 THE HUMAN ENVIRONMENT 4
  The interaction of formal organisations and institutions, especially the organisation of work and government and the built environment; small group theory and the effective group; work and motivation. Management style and bureaucracy, its character and influence; social analysis and social forecasting; social interest groups in a pluralist society; mechanisms and processes of compromise; Australia's government system as relating to public policy and the electoral system; modern society and the individual.

Courses: AR41, AR48, BN30
Credit Points: 6
Contact Hours: 2 per week

- ARB293 DESIGN 3
  Theory: scope of design; Reitman's State Transformation model, problem-solving methods; precedence diagrams; testing; general design heuristic; the art of design. Planning objectives and techniques, privacy and convenience, intelligibility, forms and order; history of planning techniques, the vertical dimension, safety, external constraints. Architectural projects; single-storey to low-rise buildings of domestic or semi-domestic nature. Graphics: use of media for presentation of architectural projects; use of colour, shade, shadow in architectural drawings; three-dimensional presentation and modelling.

Course: AR41
Credit Points: 10
Contact Hours: 5 per week

- ARB294 DESIGN 4
  See ARB293.

Course: AR41
Credit Points: 8
Contact Hours: 4 per week

- ARB295 BUILDING CONSTRUCTION I
  Building construction of domestic and semi-domestic buildings with upper floors, excavation, retaining walls, culverts, site and soil investigations, footings, frames and load bearing walls, construction of low-rise buildings, roofing of medium and large spans; environmental factors, building defects and remedies.

Courses: AR41, AR48
Credit Points: 4
Contact Hours: 2 per week

- ARB296 BUILDING CONSTRUCTION 2
  See ARB295.

Courses: AR41, AR48
Credit Points: 4
Contact Hours: 2 per week

- ARB299 INTRODUCTION TO COMPUTING 1
  The computer as a tool; introduction to microcomputer hardware and software; architectural application overview, specialised graphics hardware, files, computer access and operating systems; simple computer graphics production symbols, colour control, printer control, transformation and deformation.

Courses: AR41, AR48, BN30
Credit Points: 2
Contact Hours: 1 per week

- ARB340 ARCHITECTURAL DESIGN 1
  Theory: concepts of design process; systematic methodology in architectural design. Studio: developing skills in site surveys, adjacency analysis, layout of buildings, application of architectural science; safety, comfort, content, form and order.

Courses: AR48, BN30
Prerequisite: ARB248
Credit Points: 18
Contact Hours: 7 per week

- ARB341 BUILDING CONSTRUCTION 1
  Introduction to common building materials, their properties and behaviour in use; the building as a system; elements of the small building and their function in the building system. Studio work will consist of exercises
in construction drawing related to the lecture topics. Lectures and studio work are complemented by site visits and workshop practice.

**Course**: ARB343
**Credit Points**: 16
**Contact Hours**: 6 per week

**Introduction to presenting architectural works using manual skills and computer techniques.**

**Course**: ARB350
**Credit Points**: 4
**Contact Hours**: 2 per week

**Industrial Design**

Scope of problem solving theory; special characteristics of design problems; the task environment, design heuristics; creativity and innovation and general psychological theories of creativity; case studies; visual communication and design process. The studio exercises to which most of the time is devoted are aimed at a range of different product designs. The complexity and depth of the design project will increase systematically during the semester.

**Course**: ARB351
**Credit Points**: 8
**Contact Hours**: 2 per week

**Ergonomics for Industrial Designers**

Person-machine system models; human capabilities; hearing and signal detection theory; vision; and user modelling. Practical exercises cover application of lecture topics to product design.

**Course**: ARB353
**Credit Points**: 6
**Contact Hours**: 2 per week

**Manufacturing Technology**

 Metals, glass, wood, ceramics and plastics technologies: the relation between the properties of materials and the industrial processes available for their fabrication. Application of the study of materials and their fabrication to design problems in studio exercises. Introduction of computers (CAD).

**Course**: ARB360
**Credit Points**: 12
**Contact Hours**: 6 per week

**Computer-Aided Industrial Design**

PC computer operation, introduction to using Windows, overview of use of graphics and CAD by industrial designers in the design process. Application of CAD for engineering drawings and as a 2D presentation tool. Introduction to 3D wireframe modelling concepts.

**Course**: BN30
**Credit Points**: 6
**Contact Hours**: 2 per week

**Interior Design**

Scope of problem-solving theory; special characteristics of design problems; the task environment, the problem space, the solution space and their representation; problem difficulty, recognition and algorithmic methods; generate-and-test methods; heuristics; creativity and innovation. The theoretical base also encompasses theories of and development in design, design and perception. The studio exercises are aimed at a range of interior design problems within the specific boundaries to focus on the systematic process of design and questioning the environmental implication of these processes with emphasis on contextuality and symbolism. These problems historically demand attention for interior design. To extend presentation methods, techniques and materials used to communicate design ideas.

**Course**: BN30
**Credit Points**: 18
**Contact Hours**: 8

**Prerequisite**: ARB248

**Interior Technology**

Upgrades the technical drawing skills developed in ARB261 and introduces students to the building codes and by-laws regulating the design and construction of building interiors at the domestic level; issues such as the evolution of building materials and the evaluation of material performance and suitability.

**Course**: BN30
**Credit Points**: 12
**Contact Hours**: 6 per week

**Furniture & Fittings**

Fabrics and textiles in interior design; wall to wall carpeting; curtains and blinds; upholstery; in each case materials, properties and techniques are discussed; fabrics and textiles in interior design.

**Course**: BN30
**Credit Points**: 6
**Contact Hours**: 2 per week

**Visual Communication for Interior Designers**

Visual thinking and drawing and basic rendering skills; rough mock-ups and scale model making.

**Course**: BN30
**Credit Points**: 4
**Contact Hours**: 2 per week

**Design Science**

The control of noise and aural conditions in buildings; basic acoustic design and noise control in buildings. Electrical lighting of interiors, lamp characteristics, colour rendering, modelling, lighting quality, simplified lighting design methods, external lighting.

**Course**: ARB391
**Credit Points**: 2
**Contact Hours**: 1 per week

**Building Services**

Hydraulics: water; gas; plumbing; drainage and sewerage in domestic and low-rise buildings. Fire services; sprinklers; alarms; extinguishers; emergency systems.

**Course**: ARB392
**Credit Points**: 4
**Contact Hours**: 1.5 per week

**Building Design**

Theory: the building as object, surface, volume, space and sequence; expression of building; criteria of good design in terms of style, function, form, structure, services, context, environment, society, and other relevant issues; design ethics and values. Projects: low to medium rise with emphasis on industry and commerce; integration with architectural science; flow charting; building type analysis.

**Course**: ARB393
**Credit Points**: 3
**Contact Hours**: 1.5 per week
Course: BN30  Prerequisite: ARB354  Credit Points: 6  Contact Hours: 2 per week

■ ARB457 ELECTIVE 1
Elective Unit drawn from a range presented by the School and approved by the Course Coordinator.
Course: BN30  Credit Points: 6  Contact Hours: 2 per week

■ ARB460 INTERIOR DESIGN 2
Development of design understanding and processes in order to facilitate the capacity for application of available technologies and philosophies, consistent with encouragement of individual freedom in the forging of intrinsic and innovative approaches to seeking design solutions; to introduce the development of a rigorous and systematic methodology in the design process; to concentrate attention on problems with specific interior design parameters; and to foster an appreciation of design as a capability of human beings. Integrated with this is the introduction of information retrieval skills, using the library and other information services; and assessing, organising and evaluating information. Continues to expose students to a variety of presentation techniques and materials needed to communicate design solutions.
Course: BN30  Prerequisite: ARB360  Credit Points: 18  Contact Hours: 8 per week

■ ARB461 INTERIOR TECHNOLOGY 2
Industrialised interior finishes and construction of joinery and fittings and their interaction with the building shell and services. The notion of interior maintenance and life span economics are introduced.
Course: BN30  Prerequisite: ARB361  Credit Points: 12  Contact Hours: 6 per week

■ ARB462 FURNITURE & FITTINGS 2
The manufacture, assembly and fabrication of furniture, fittings and components; expected performance of materials and furniture items; focuses on functional, maintenance, life span, economic properties.
Course: BN30  Prerequisite: ARB362  Credit Points: 6  Contact Hours: 2 per week

■ ARB464 ARCHITECTURAL INTERIOR SYSTEMS 1
Lighting and acoustic considerations, human sensory and behavioural needs. An outline of systems and guidelines for selection and professional judgment.
Course: BN30  Prerequisite: ARB361  Credit Points: 4  Contact Hours: 2 per week

■ ARB480 DESIGN 7
See ARB493.
Course: AR48  Credit Points: 32  Contact Hours: 5 per week

■ ARB481 PROFESSIONAL STUDIES 1
See ARB495.
Course: AR48  Credit Points: 12  Contact Hours: 3 per week

■ ARB491 HISTORY OF ARCHITECTURE & ART 3
Early Australian colonial architecture; Victorian Australia; gothic and classical revival in Australia; the Australian house; modern architecture in Australia; conservation and preservation; Australian landscape and its influence in architecture.
Course: AR41, AR48  Credit Points: 4  Contact Hours: 1 per week

■ ARB493 DESIGN 7
Theory: masters of the twentieth century in Europe and the USA; their architectural styles, design philosophies and influence; architects in Australia and their influence.
ence on Australasian architecture. Projects: brief, design, construction, services and landscape; a series of architectural projects of medium to high-rise construction; emphasis on workability and compliance with codes, by-laws and regulations.

Course: AR41
Credit Points: 20 (10 per semester)
Contact Hours: 5 per week

■ ARB495 PROFESSIONAL STUDIES 1
Specifications; estimates; cost planning and control; codes; standards; building legislation; computing.
Course: AR41
Credit Points: 16 (8 per semester)
Contact Hours: 4 per week

■ ARB497 ADVANCED TECHNOLOGY
Mechanisation of construction; construction machinery; excavation; piling; deep basement construction; high-rise construction systems; steel, reinforced concrete and pre-stressed concrete; framing; walling and flooring. Special services: energy management and maintenance systems; automated building systems; integration of design, structures, services and construction; decision making and choice of constructional methods and procedure. Prefabrication. Case studies.
Courses: AR41, AR48
Credit Points: 8 (4 per semester)
Contact Hours: 2 per week

■ ARB540 ARCHITECTURAL DESIGN 3
Theory: the building as object, surface, volume, space and sequence; expression of buildings: criteria of good design; design ethics and values. Studio: to develop cities in design and to apply aesthetic theories in architectural projects, a series of architectural projects of low to medium use with emphasis on industry and commerce.
Courses: AR48, BN30
Credit Points: 18
Contact Hours: 6 per week

■ ARB541 BUILDING CONSTRUCTION 3
Studies will review the construction of non-domestic buildings of intermediate size. Each case study will discuss the system characteristics of the building type, the human and environmental factors which constrain the solution, and the associated building systems. Studio work is complemented by field work.
Course: BN30
Prerequisite: ARB441
Credit Points: 17
Contact Hours: 6.5 per week

■ ARB544 LANDSCAPE ARCHITECTURE IN THE BUILT ENVIRONMENT
Principles and development of landscape architecture, application in architectural design, effect in the conservation and enhancement of the environment, landscape architect's role in architectural practice.
Courses: AR41, BN30
Credit Points: 2
Contact Hours: 1 per week

■ ARB550 INDUSTRIAL DESIGN 3
Product design in depth. The projects are cross-referenced with other subject areas which will provide an integration of knowledge and skills acquired in the previous semesters. During the design projects, different specialist expertise is included. Lectures cover: case studies; design innovation; design methods.
Course: BN30
Prerequisite: ARB450
Credit Points: 18
Contact Hours: 8 per week

■ ARB553 MANUFACTURING TECHNOLOGY 3
Production techniques in relation to different materials, various methods for forming, automatic and semi-automatic assembly and quality control methods; production cost. Field studies include visits to manufacturing industries. The application of production techniques in studio design projects using CAD.
Course: BN30
Prerequisite: ARB453
Credit Points: 12
Contact Hours: 5 per week

■ ARB554 COMPUTER-AIDED INDUSTRIAL DESIGN 3
Introduction to simple 3D Surface modelling concepts, introduction to shading, development of these skills for product form evaluations. Development of the use of 3D CAD skills for production of advanced 2D engineering drawings.
Course: BN30
Prerequisite: ARB454
Credit Points: 6
Contact Hours: 2 per week

■ ARB555 PRODUCT ANALYSIS & DEVELOPMENT
Case studies on success and failure of industrial/product design; sources for new product development; system for total design product planning; product status, marketing and process of total design management.
Course: BN30
Credit Points: 6
Contact Hours: 2 per week

■ ARB560 INTERIOR DESIGN 3
Students develop their knowledge of systematic interior design processes and apply knowledge gained in support and corequisite units. Application of the physical and cultural context as well as psychological and sociological needs of the end user. Visual and oral communication techniques employed in the production of design presentations to clients.
Course: BN30
Corequisite: ARB561
Credit Points: 18
Contact Hours: 7 per week

■ ARB561 INTERIOR TECHNOLOGY 3
Continuation of ARB461; emphasis on commercial construction systems and the impact of regulations; high-rise buildings, the planning of tenancies, partitioning and furniture systems, shopping centres, theatres, medical clinics, taverns, restaurants.
Course: BN30
Corequisite: ARB560
Credit Points: 12
Contact Hours: 6 per week

■ ARB562 FURNITURE & FITTINGS 3
Principles of ornamental design; decorative metalwork; stained glass; decorative ceramics; plasterwork; carved and inlaid woodwork; lacquer work; printed fabrics and papers; tapestry and embroidery.
Course: BN30
Prerequisite: ARB462
Credit Points: 6
Contact Hours: 2 per week

■ ARB580 DESIGN 8
See ARB593.
Course: AR48
Credit Points: 36
Contact Hours: 6 per week

■ ARB590 ELECTIVE 1A
Selected architectural topics including history, conservation, design theory, management, finance, economics, architectural science, computing, urban design, and courses where approved.
Courses: AR41, AR48
Credit Points: 4
Contact Hours: 2 per week

■ ARB591 HISTORY OF ARCHITECTURE & ART 4
A global perspective of the development of art and architecture of regional interest with particular emphasis
on non-European traditions. Architectural development in the Far East, Southeast Asia, the Pacific and South America. Planning of settlements, indigenous architecture, materials and techniques in building construction, social, cultural, economic, religious, and Western influence. Modernisation, current architecture issues.

Courses: AR41, AR48
Credit Points: 4
Contact Hours: 1 per week

**ARB593 DESIGN 8**
Architectural criticism; main themes selected for design and the realisation, convenience, clarity, intelligibility, expression, technology, context form. Post-occupancy evaluation. Testing methodology: analysis and evaluation of building performance, user-oriented design. A series of architectural projects of medium to high-rise buildings involving general building briefs and programs, environmental impact issues, and post-occupancy analysis.

Course: AR41
Credit Points: 20 (10 per semester)
Contact Hours: 5 per week

**ARB595 PROFESSIONAL STUDIES 2**
Building economics; practice management and accounting systems; legal aspects of practice, contracts; building procurement systems.

Courses: AR41, AR48
Credit Points: 16 (8 per semester)
Contact Hours: 4 per week

**ARB596 ELECTIVE 1B**
See ARB590.

Courses: AR41, AR48
Credit Points: 4
Contact Hours: 2 per week

**ARB640 ARCHITECTURAL DESIGN 4**
Theory: the building as object, surface, volume, space and sequence; expression of buildings; criteria of good design; design ethics and values. Studio: to develop ethics in design and to apply aesthetic theories in architectural projects. A series of architectural projects of low to medium use with emphasis on industry and commerce.

Courses: AR48, BN30
Credit Points: 18
Contact Hours: 6 per week

**ARB641 BUILDING CONSTRUCTION 4**
Reviews the construction of non-domestic buildings of intermediate size. Each case study will discuss the system characteristics of the building type, the human and environmental factors which constrain the solution, and the associated building systems. Studio work is complemented by field work.

Course: BN30
Credit Points: 12
Contact Hours: 6 per week

**ARB646 LAW OF THE BUILT ENVIRONMENT**
The law as a constraint in the design and construction process. Australian and Queensland acts, by-laws and regulations of statutory authorities as they affect the built environment. Legal aspects of land and land transfer. Introduction to professional liability, design registration, patents and copyrights.

Courses: AR41, AR48, BN30
Credit Points: 6
Contact Hours: 2 per week

**ARB647 ARCHITECTURAL RESEARCH 2**
Studies on approved topics to sufficient depth to demonstrate the student's ability to define and logically analyze proposition, and to conduct research to prove its validity.

Courses: AR41, AR48
Credit Points: 24
Contact Hours: 6 per week

**ARB650 INDUSTRIAL DESIGN 4**
Design studio projects: there are usually two projects per semester and they are done in depth. The interdisciplinary expertise is included when appropriate. Most of the projects are industry-based. Lectures include: case studies, design innovation and design methods.

Course: BN30
Credit Points: 18
Contact Hours: 8 per week

**ARB653 MANUFACTURING TECHNOLOGY 4**
Organisation, planning the technologies required for CIM (Computer-Integrated Manufacturing). The impact of CIM on product design solutions. Field studies complement the lecture series. Studio exercises will utilise computer applications.

Course: BN30
Prerequisite: ARB553
Credit Points: 12
Contact Hours: 5 per week

**ARB654 COMPUTER-AIDED INDUSTRIAL DESIGN 4**
Development of skills in complex 3D Surface modeling techniques, application in design form evaluations and form refinement. Further development of shading techniques and introduction to animation. Advanced design documentation.

Course: BN30
Prerequisite: ARB554
Credit Points: 6
Contact Hours: 2 per week

**ARB657 ELECTIVE 3**
Elective Unit drawn from a range presented by the School, Faculty or other Faculties at QUT and approved by the Course Coordinator.

Course: BN30
Credit Points: 6
Contact Hours: 2 per week

**ARB660 INTERIOR DESIGN 4**
Students select and develop a complex design problem from brief stage to developed design stage, taking into consideration the content and the needs of the end user. Theory studies are cross-referenced to studio projects and exercises. Visual and oral communication techniques for design presentations to clients.

Course: BN30
Prerequisite: ARB560
Corequisites: ARB661, ARB663
Credit Points: 18
Contact Hours: 7 per week

**ARB661 INTERIOR TECHNOLOGY 4**
The technological assessment of interiors, structure, openings, environmental systems, artefacts and ambience of existing spaces; rendering, consultants, leasing and tenancy-building interface.

Course: BN30
Prerequisite: ARB561
Corequisite: ARB660
Credit Points: 12
Contact Hours: 6 per week

**ARB662 FURNITURE & FITTINGS 4**
The development of a methodical approach to the choice of loose furniture, furniture systems and interior products: quantitative and qualitative assessment approaches; the understanding of furniture design and its integration into interiors.

Course: BN30
Prerequisite: ARB562
Credit Points: 6
Contact Hours: 2 per week

**ARB663 RESEARCH METHODS**
An overview of research methodology; differences between various research methods and products.

Courses: AR48, BN30
Corequisite: ARB660
Credit Points: 6
Contact Hours: 2 per week

**ARB664 ARCHITECTURAL RESEARCH 1**
Establishment of objectives; delimitation of relevant areas; structuring the research program; identification of background reading sources; analysis and preliminary conclusions regarding the proposed field of study; preparation of an individual proposal.

Courses: AR48, BN30
Credit Points: 4
Contact Hours: 2 per week
• ARB681 PROFESSIONAL STUDIES 3
  See ARB695.
  Course: AR48
  Credit Points: 16  Contact Hours: 2 per week
• ARB690 ARCHITECTURAL PROJECT
  See ARB693.
  Course: AR48
  Credit Points: 12  Contact Hours: 6 per week
• ARB693 DESIGN 9
  Theory: contemporary architects' theories and ideas, their influence in architectural design and practice.
  Projects: process of brief, functional and space programming; urban values, design principles and landscape-townscape, civic and formal planning; urban quality. A comprehensive project of groups of complex buildings as a design vehicle to develop planning skills; brief formation; building programming; quality evaluation; planning and presentation.
  Course: AR41
  Credit Points: 16  Contact Hours: 5 per week
• ARB695 PROFESSIONAL STUDIES 3
  Alternative methods of building procurement; management of all phases of the building project. The Architect Act 1962 and amendments; Board of Architects Queensland Practice Examination.
  Course: AR41
  Credit Points: 8 (4 per semester)  Contact Hours: 2 per week
• ARB697 ELECTIVE 2
  Studies on approved topics to sufficient depth to demonstrate the student's ability to define and to logically analyse a proposition, and to conduct research to prove its validity.
  Course: AR41
  Credit Points: Semester 1: 4; Semester 2: 20  Contact Hours: Semester 1: 2 per week; Semester 2: 5 per week
• ARB795 APPROVED EMPLOYMENT A
  See course requirements and notes relating to undergraduate courses - industrial experience for Bachelor of Architecture.
  Course: AR48  Credit Points: 36  Contact Hours: 48 recognised weeks within first three years
• ARB796 APPROVED EMPLOYMENT B
  See course requirements and notes relating to undergraduate courses industrial experience for Bachelor of Architecture.
  Course: AR48  Credit Points: 60  Contact Hours: 72 recognised weeks within second three years
• ARP154 ARCHITECTURAL COST PLANNING
  Sectors of the property market; financial feasibility studies; project financing; project cost control; life cycle costing; energy audits; maintaining property asset value; investment decision-making; facilities management; forecast for property markets.
  Course: AR89  Credit Points: 12  Contact Hours: 2 per week
• ARP502 ADVANCED INTERIOR DESIGN 1
  Exploration of contemporary ideas, theories, methods; practical application of research, analysis, evaluation and the synthesis of ideas related to interiors; contemporary issues in user-oriented design; the development of advanced information retrieval skills; main topics in this ARS program are: using the QUT library and other information services; accessing information through indexes and abstracts; computerised information retrieval; current awareness strategies; organising and evaluating information.
  Course: AR62  Credit Points: 18  Contact Hours: 6 per week
• ARP503 ADVANCED INTERIOR DESIGN 2
  The issues of environmental communications: the physiological, psychological and sociological aspects of workplace interiors.
  Course: AR62  Credit Points: 18  Contact Hours: 6 per week
• ARP508 PROFESSIONAL STUDIES 1
  The role and responsibilities of the interior designer in professional practice: job administration, liability, copyright, designer and client relationships; communication management and organisation of a project. The fundamentals of task scheduling; planning systems and control models; program evaluation and review techniques; critical path monitoring; organisational developments; recruitment staffing structures; concepts of marketing related to the profession. Explores the fundamentals of brief development and its implications for design efficiency and effectiveness; the nature of design; problem definition; brief development - a traditional view; brief development - an evolutionary view; participatory design; decision-making and the organisational structure; setting up the information network; information gathering and recording; developing a client structure; and design process and problem type.
  Course: AR62  Credit Points: 18  Contact Hours: 6 per week
• ARP601 SETTING THE SCENE
  Incorporates a series of case studies of significant film and theatre sets; students explore the influence of design on emotive behaviour and interpret the implication of this for interior design of a more conventional kind; use is made of the current projects in the unit Environmental Communications.
  Course: AR62  Credit Points: 10  Contact Hours: 3 per week
• ARP604 CONSERVATION OF HISTORIC INTERIORS
  The ethics and the role of the designer in the conservation of interiors. An introduction to building technologies as required by a practising designer working on conservation and restoration projects.
  Course: AR62  Credit Points: 18  Contact Hours: 6 per week
• ARP605 PROFESSIONAL STUDIES 2
  Strategies for evaluation of building interior physical characteristics and user responses to utilisation of such areas from technical, sociological and psychological perspectives; students assess existing sites to foster an appreciation of client and user requirements, compilation of strategies and reports, statistical analysis and application of data.
  Course: AR62  Credit Points: 6  Contact Hours: 2 per week
• ARP606 ELECTIVE 1
  A selected and approved course of study within the School or elsewhere within the University which enables students to deepen their knowledge in particular areas of interior design. All Electives undertaken shall have the prior approval of the Course Coordinator. No special timetabling arrangements will be made to cater for Electives.
  Course: AR62  Credit Points: 6  Contact Hours: 2 per week
• ARP607 ELECTIVE 2
  A selected and approved course of study within the
School or elsewhere within the University which enables students to deepen their knowledge in particular areas of interior design. All Electives undertaken shall have the prior approval of the Course Coordinator. No special timetabling arrangements will be made to cater for Electives.

Course: AR62
Credit Points: 6  Contact Hours: 2 per week

**ARP608 THEORY AND CRITICISM**
The unit addresses contemporary theories of design and aesthetics and current issues in order to develop a critical understanding of the profession. The unit will incorporate a series of case studies of significant film and theatre designs. In understanding these students will be required to explore the influence of design on emotive behaviour and to interpret the implications of this for interior design of a more conventional kind.

Course: AR61
Credit Points: 6  Contact Hours: 2 per week

**ARP613 ADVANCED ERGONOMICS 1**
Human-machine systems and their relations with living and working environments; the importance of ergonomics (human factors) criteria and their application to industrial design. The course consists of a series of seminars relevant to case studies concerned. Typical case studies are concentrated on the ergonomic evaluation of consumer products.

Course: AR61
Credit Points: 6  Contact Hours: 2 per week

**ARP623 ADVANCED ERGONOMICS 2**
Systematic ergonomic evaluation methods and their application to design problems. Lectures and seminars relevant to case studies on the ergonomic evaluation of the working and living environment, e.g. key-punch operator work station, bus driver work station and ergonomic evaluation of an assembly line.

Course: AR61  Prerequisite: ARP613
Credit Points: 6  Contact Hours: 2 per week

**ARP652 DESIGN MANAGEMENT & DECISION THEORY**
Meaning of the design process, control and the design process, complexity of design problems, types of contracts, design and business, project team, design responsibility, management, documentation, concept of evaluation and management action, application of design theory to design management.

Course: AR61
Credit Points: 2  Contact Hours: 1 per week

**ARP653 PROFESSIONAL PRACTICE**
The role and responsibilities of the industrial designer in professional practice, job administration, liability, design protection, designer and client relationships.

Course: AR61
Credit Points: 2  Contact Hours: 1 per week

**ARP654 PROFESSIONAL PRACTICE AND MANAGEMENT**
A series of lectures and seminars exploring the role of professional practice management. Lectures include: meaning of design process, control and the design process, complexity of design problems, type of contracts, design management, design documentation, concept of design evaluation and management, role administration, liability, design protection, designer-client relationships.

Course: AR61
Credit Points: 6  Contact Hours: 2 per week

**ARP670 ELECTIVE A**
Elective Unit drawn from a range presented by the School, available within the Faculty, elsewhere at QUT or external unit subject to Course Coordinator's approval.

Course: AR61
Credit Points: 6  Contact Hours: 2 per week

**ARP672 INDUSTRIAL DESIGN 1**
This unit is linked with ARP673.

**ARP673 INDUSTRIAL DESIGN 2**
These units consist of studio work in which students design a range of products or systems. The emphasis is on projects generated from local industry and community. The complexity and depth of the design project increase according to the semester level.

Course: AR61  Prerequisite: ARP672
Credit Points: 12  Contact Hours: 6 per week

**ARP674 INDUSTRIAL DESIGN RESEARCH 1**
A topic is selected by a student and approved and supervised by industrial design staff. Examples are: micro-surgical equipment design, bushfire safety equipment, mobile dental clinic in isolated regions and interactive display in psychological testing.

Course: AR61  Prerequisite: ARP673
Credit Points: 18  Contact Hours: 8 per week

**ARP675 INDUSTRIAL DESIGN RESEARCH 2**
This unit depends on the topic selected by a student in the previous semester. Students are responsible for the program as a part of their project work, which are approved and supervised by industrial design staff.

Course: AR61  Prerequisites: ARP672, ARP674
Credit Points: 18  Contact Hours: 8 per week

**ARP676 ADVANCED COMPUTER-AIDED INDUSTRIAL DESIGN 1**
Advanced CAD in the design process. Introduction to the interactive use of the application of CAD/CAM and SLA in the development of finalisation of a design project.

Course: AR61
Credit Points: 6  Contact Hours: 2 per week

**ARP677 ADVANCED COMPUTER-AIDED INDUSTRIAL DESIGN 2**
Advanced CAD in design development, analysis and manufacturing (CNC) process. Employing CAD/CAM and SLA in the development, evaluation, finalisation, documentation and presentation of a design project.

Course: AR61
Credit Points: 6  Contact Hours: 2 per week

**ARP678 INDUSTRIAL DESIGN THESIS**
This is a continuation and development of the applied research project done in ARP674 /675 Industrial Design Research 2. Documentation of the research strategy, research data application, design processes, methodologies, project management, final design evaluation, final design solution and business plan preparation. Students are responsible for the project management. This is approved and supervised by industrial design staff.

Course: AR61  Prerequisite: ARP674, ARP675
Credit Points: 24  Contact Hours: 4 per week (full-time); 2 per week (part-time)

**ARP679 ELECTIVE B**
Elective Unit drawn from a range available within the Faculty, elsewhere at QUT or external unit subject to approval.

Course: AR61
Credit Points: 12  Contact Hours: 3 per week

**ARP680 ELECTIVE C**
Elective Unit drawn from a range available within the Faculty, elsewhere at QUT or external unit subject to approval.
Students enrolled full-time in AT22 Master of Arts (Research) degree undertake a research project as the major component of their studies. This project may take the form of a research thesis or a creative project accompanied by a written component. The creative project could include a visual/performing arts production, a book-length work of fiction/non-fiction, or a film/multi-media script/production.

Course: AT22
Credit Points: 48 per semester, enrolling in both Semesters 1 & 2
Contact Hours: 1 per week

ATN006/1 & ATN006/2 & ATN006/3 & ATN006/4 RESEARCH PROJECT PART-TIME

Academy of the Arts, School of Humanities and School of Social Science students enrolled part-time in AT22 Master of Arts (Research) degree undertake a research project as the major component of their studies. This project may take the form of a research thesis or a creative project accompanied by a written component. The creative project could include a visual/performing arts production.

Course: AT22
Credit Points: 24 per semester, enrolling in Semesters 1, 2, 3 & 4
Contact Hours: 0.5 per week

ATN007/1 & ATN007/2 & ATN007/3 & ATN007/4 & ATN007/5 RESEARCH PROJECT PART-TIME

School of Media and Journalism students enrolled part-time in AT22 Master of Arts (Research) degree undertake a research project as the major component of their studies. This project may take the form of a research thesis or a creative project accompanied by a written component. The creative project could include a book-length work of fiction/non-fiction, or a film/multi-media script/production.

Course: AT22
Credit Points: 12 per semester enrolling in Semesters 1 & 2; 24 per semester, enrolling in Semesters 3, 4 & 5
Contact Hours: 0.5 per week

AYB001 ACCOUNTING DISCLOSURE & AUDIT

Tax effect accounting; consolidations; liquidations; acquisition of assets; company disclosure; overview of auditing and audit reports; ethics, legal liability and audit objectives; overall audit plan and audit program involving: evidence and documentation, materiality and risk, internal controls and the procedures for the audit of various applications - sales, purchases, etc.
Course: B556, ED50
Prerequisite: AYB121
Credit Points: 12
Contact Hours: 3 per week

AYB120 BUSINESS LAW

Australian legal and constitutional system; sources of law; including doctrines and methodology of the law; statutory interpretation; an examination of the law of contract: introduction to the law of torts with emphasis on the tort of negligence; aspects of consumer protection.
Course: B556, ED50, IF56, IT20, PU48
Prerequisites: BSB114
Credit Points: 12
Contact Hours: 3 per week

AYB121 FINANCIAL ACCOUNTING

An examination of the accounting concepts and procedures relevant to both partnership and company business structures within the context of both the accounting profession's conceptual framework and the relevant legal requirements. Topics include: the formation, accounting procedures and financial statement preparation for both partnerships and company business structures; the role of corporate financial statement analysis; review of cash flow statements.
Courses: B556, ED50, IF37, NS48
Prerequisite: BSB110
Credit Points: 12
Contact Hours: 4 per week

AYB220 COMPANY ACCOUNTING

Accounting for company income tax (tax effect accounting); acquisition of assets; consolidated financial statements; equity accounting and disclosure in company financial statements.
Courses: B556, ED50, IF37
Prerequisite: AYB121
Credit Points: 12
Contact Hours: 4 per week

AYB221 COMPUTERISED ACCOUNTING SYSTEMS

Management information systems and accounting systems; database and files; systems development life cycle; design of accounting systems including sales, accounts receivable, inventory, purchases, accounts payable, non-current assets, payroll and general ledger systems; accounting software such as ACCPAC, and spreadsheet software such as LOTUS 1-2-3; internal control in computer systems.
Courses: B556, ED50, IF37
Prerequisite: BSB110, BSB112
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: AYB222

AYB222 FINANCIAL MODELLING

The development of a basic model within an organisational environment; operation of computer modelling languages; analysis and development of forecasting models; specialist financial models; model development as part of the decision support system.
Course: B556
Prerequisites: ED570, BSB112
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: AYB221

AYB223 LAW OF BUSINESS ASSOCIATIONS

The law relating to the establishment, operation and dissolution of business associations; the forms of business associations; partnerships, trusts, companies and voluntary associations. A focus on companies: incorporation requirements, classification, share capital and management issues.
Courses: B556, BSB1
Prerequisites: AYB120 or AYN410
Credit Points: 12
Contact Hours: 3 per week

AYB224 MANAGEMENT ACCOUNTING

The nature of management accounting; cost concepts; cost profit volume analysis; relevant costs and special decisions; flexible budgets; responsibility accounting; job and process costing; introduction to finance; financing decisions: equity versus debt, leasing, investment dividends; introduction to financial maths; understanding the financial press.
Course: ED50, B556
Prerequisite: BSB110
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: AYB225

AYB225 MANAGEMENT ACCOUNTING 1

Introduction to managerial accounting, the role of the management accountant, and cost concepts; costing systems including actual/normal/standard systems under job and process costing; introduction to budgeting; accounting for the factors of production: materials, labour and overheads; extension of basic costing systems for multiple products and spoilage; direct and absorption costing; cost-volume-profit analysis.
Courses: B556, IF37, IT20
Prerequisite: BSB110
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: AYB224
AYB225 MANAGEMENT ACCOUNTING II
The application of the conceptual framework of the finance paradigm to provide a positive explanation of managerial accounting; interrelationships between managerial accounting, economics of firms, business finance, regulation, organisation behaviour and computer applications; agency theory responsibility accounting and cost allocation; decision-making and relevant costs; pricing techniques, advertising and transfer pricing; performance evaluation.
Courses: BS56, IF37, IT20 Prerequisite: AYB225
Credit Points: 12 Contact Hours: 4 per week

AYB300 ACCOUNTING IN AN INTERNATIONAL ENVIRONMENT
This subject is designed to provide students with an overview of the unique problems presented by international accounting systems and practices; accounting for foreign currency transactions and foreign currency derivatives; translation of foreign currency financial statements; comparative international analysis of financial statements; international financial planning and performance evaluation, international transfer pricing and taxation; external auditing of foreign operations, global accounting issues into the twenty-first century.
Course: BS56 Credit Points: 12 Contact Hours: 3 per week

AYB301 AUDITING
The audit environment; legal liability of auditors; professional ethics; study and evaluation of audit planning and programming, evidence, internal control theory and review techniques; audit program applications: revenue, receivables, cash, inventory; audit in EDP environments and evaluation of EDP controls; computer-assisted audit techniques; computer fraud; sampling techniques; the audit report.
Courses: BS56, ED50, IF37 Prerequisite: AYB220
Credit Points: 12 Contact Hours: 3 per week

AYB302 AUDITING & PROFESSIONAL PRACTICE
Audit concepts and procedures; preparing a system based audit plan; the nature and reasoning behind audit tests of balances; implementation of specified statistical sampling techniques; EDP auditing; independence; ethics; legal liability.
Course: BS56 Prerequisite: AYB301
Credit Points: 12 Contact Hours: 4 per week

AYB303 COMMERCIAL & SECURITIES LAW
Commercial transactions; specific types of contract: sales of goods, credit contracts, agency, bailment and insurance; aspects of the Trade Practices Act and negotiable instruments.
Course: BS56 Prerequisites: AYB120 or AYN410
Credit Points: 12 Contact Hours: 3 per week

AYB304 COMMERCIAL LAW
Commercial transactions: viz agency, bailment guarantees, cheques and other negotiable instruments, insurance and banking; aspects of partnerships and company law; especially for ED students.
Courses: BS56, ED50 Prerequisite: AYB319
Credit Points: 12 Contact Hours: 3 per week

AYB305 COMPANY LAW & PRACTICE
Advanced topics in company law including: protection of minority interests; dividend policy; insider trading, takeovers and buy-backs, law relating to financially troubled companies.
Course: BS56 Prerequisite: AYB225
Credit Points: 12 Contact Hours: 3 per week

AYB306 COMPUTER APPLICATIONS IN FINANCE
Students learn the necessary skills to undertake analysis and applied research in business finance. Topics include: programming and data file manipulation using dBase IV; ordinary least squares regression; SPSS-PC statistical computer software.
Course: BS56 Prerequisites: EFB210, BSB112
Credit Points: 12 Contact Hours: 4 per week

AYB307 COMPUTER APPLICATIONS IN PUBLIC PRACTICE
Use of modern software tools and techniques as applied to public practice. Students learn to apply and analyse quantitative techniques to forecast public revenues and expenditures; to use statistical analysis software and databases. Students also learn to use basic accounting software and to apply it to the accounting systems of public organisations.
Course: BS56 Prerequisite: BSB112
Credit Points: 12 Contact Hours: 4 per week

AYB308 COMPUTER APPLICATIONS IN MANAGERIAL ACCOUNTING
This subject uses software to build various accounting applications and discusses issues related to the use of such applications. Database software will be used to build parts of an accounting information system (for example, general ledger, accounts receivable ledger or accounts payable ledger). Macros will be utilised in spreadsheets software to build automated accounting-related models. Expert systems will be examined by using commercially available software and building basic relevant applications. Issues and recent developments in accounting information systems will also be examined.
Course: BS56 Prerequisite: AYB221
Credit Points: 12 Contact Hours: 3 per week

AYB310 COMPUTERISED ACCOUNTING APPLICATIONS
This subject uses software to build various accounting applications and discusses issues related to the use of such applications. Database software will be used to build parts of an accounting information system (for example, general ledger, accounts receivable ledger or accounts payable ledger). Macros will be utilised in spreadsheets software to build automated accounting-related models. Expert systems will be examined by using commercially available software and building basic relevant applications. Issues and recent developments in accounting information systems will also be examined.
Course: BS56 Prerequisite: AYB221
Credit Points: 12 Contact Hours: 3 per week

AYB311 FINANCIAL ACCOUNTING THEORY
The evaluation and development of accounting theory; regulatory framework and the theories of regulation; development of the conceptual framework; contracting cost framework; critique of historical cost and alternative theories; asset and liability definition and recognition; revenue and expense recognition and measurement.
Courses: BS56, IF37 Prerequisite: AYB220
Credit Points: 12 Contact Hours: 4 per week

AYB312 FINANCIAL INSTITUTIONS LAW
The legal framework of banking and other financial transactions: legal constraints upon the operations of finan-
cial institutions; bank-customer relationship; Cheque Act, Credit Act, liability for negligent advice.

Course: BS56  Prerequisite: AYB120 or AYN410
Credit Points: 12  Contact Hours: 3 per week

■ AYB313 GOVERNMENT ACCOUNTING
The structure of government economic and fiscal activities; elements of government accounting; the concept of public accountability; fiscal federalism and theory of budgeting fund accounting; public accounting of Commonwealth, state and local government levels; zero-based budgets and program budgets; budget strategies and financial decision making; project review; statutory corporations; quangos and committees; government financial reporting; internal and efficiency auditing; accounting for government business enterprises.

Course: BS56  Prerequisite: BSB110
Credit Points: 12  Contact Hours: 3 per week

■ AYB314 INDIRECT TAXATION
Examination of taxes relevant to the conduct of a business other than taxes directly imposed on a taxpayer’s income and capital gains. Specific taxes covered include sales tax, payroll tax, land tax, stamp duty, customs and excise duties, and the superannuation guarantee charge.

Course: BS56  Prerequisite: AYB223
Credit Points: 12  Contact Hours: 3 per week

■ AYB315 INDUSTRIAL LAW
The system of law in Australia; industrial aspects of the Australian constitution; the system of industrial law in Australia; the development and role of law in industrial relations; industrial relations legislation, federal and state, common law industrial torts; industrial actions; industrial disputes; settlement of disputes; sanctions; unions.

Course: BS56  Prerequisite: MGB207
Credit Points: 12  Contact Hours: 3 per week

■ AYB316 INSOLVENCY LAW & PRACTICE
Insolvency and liquidation; a comparison of the tests of insolvency applicable to individuals, companies, partnerships and trusts respectively; rights of secured and unsecured creditors; duties and liabilities of liquidators, receivers, etc.; company shareholders’ rights; distribution of property; liabilities of bankrupts, trustees and company officers.

Course: BS56  Prerequisite: AYB223
Credit Points: 12  Contact Hours: 3 per week

■ AYB317 INTERNATIONAL BUSINESS LAW
Examination of the law governing the establishment and conduct of international business; business structures, international contracts, competing legal jurisdictions, codes of conduct; an introduction to the taxation consequences of international business.

Course: BS56  Prerequisites: AYB120 or AYN410
Credit Points: 12  Contact Hours: 3 per week

■ AYB318 INTERNATIONAL TAXATION
The subject introduces the student to the art of applying technical knowledge of taxation law to practical business problems and situations. The role of facts, commercial practice, accounting principles, and professional and ethical considerations is given due emphasis.

Course: BS56  Prerequisite: AYB325, AYB326
Credit Points: 12  Contact Hours: 3 per week

■ AYB319 LEGAL ENVIRONMENT OF BUSINESS
Consumer protection – state and Commonwealth legislation; trade regulation; restrictive trade practices; consumer credit laws; business finance options; use of a business name; choosing a business structure; establishing a business; starting, buying or franchising a business in Queensland.

Courses: ED50, BS56
Credit Points: 12  Contact Hours: 3 per week

■ AYB320 MANAGEMENT ACCOUNTING III
Application of management accounting theory and techniques to solve business problems. Examination of case studies in design of costing systems, budgeting, planning and control, decision-making, pricing and performance evaluation.

Courses: BS56, IP37  Prerequisite: AYB225
Credit Points: 12  Contact Hours: 3 per week

■ AYB321 MANAGEMENT ACCOUNTING THEORY
The development of management accounting as a discipline, development of theories – conceptual framework; theory of the firm; agency theory; contingency theory; decision theory; organisational behaviour theories; theory of constraints; application of theories within the finance/economics paradigm. The application of these theories will be considered practically within the context of issues such as transfer pricing, cost allocation and the contemporary managerial accounting techniques.

Course: BS56  Prerequisite: AYB225
Credit Points: 12  Contact Hours: 4 per week
ness taxes which are not applied to income.

Course: B56
Prerequisite: AYB325
Credit Points: 12
Contact Hours: 3 per week

AYN001 MANAGERIAL ACCOUNTING FOR ENGINEERS
An explanation of accounting concepts and terminology and a coverage of the accounting communication and reporting system of financial statements; using accounting information for special decision-making; financial modelling as a decision support system; how costs are accumulated for manufacturing control purposes; current issues in accounting for manufacturing including activity-based costing, costing for quality, costing for productivity.

Course: ME76
Credit Points: 12
Contact Hours: 3 per week

AYN400 ACCOUNTING 1 (PY)
See AYN404 Advanced Company Accounting. Please contact the School of Accountancy office regarding commencement date. This unit runs outside the normal semester timetable.

Courses: BS70, BS87, BS94
Prerequisite: AYN420 or AYN117
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: AYN404 or AYN103

AYN401 ACCOUNTING 2 (PY)
This unit satisfies the Professional Year syllabus of the Institute of Chartered Accountants in Australia in applied areas of managerial accounting, finance and auditing. The unit builds upon the undergraduate framework in these areas. Topics are revised annually by the Institute with a focus on applied practice.

Courses: BS70, BS87, BS94
Prerequisite: AYN400 or AYN300
Credit Points: 12
Contact Hours: 3 per week

AYN402 ACCOUNTING INFORMATION SYSTEMS (PY)
Examination of an advanced level of accounting information systems (AIS). Topics include AIS strategic planning, feasibility analysis, systems development and implementation, networks and the electronic business.

Courses: BS70, BS87, BS94, GS70, GS81
Prerequisites: AYN416 or AYN112 or GSN202 or AYN403
Credit Points: 12
Contact Hours: 3 per week

AYN404 ADVANCED COMPANY ACCOUNTING
Consolidated financial statements; changes in degree of ownership; reverse subsidiaries and reciprocal shareholdings; consolidation and the existence of preference shares; translation and consolidation of foreign currency financial statements; consolidated cash flow statements; accounting for joint ventures, foreign currency transactions; segment reporting; trusts, superannuation funds and insurers. Please contact the School of Accountancy office regarding commencement date. This unit runs outside the normal semester timetable.

Courses: BS70, BS87, BS94
Prerequisite: AYN420 or AYN117
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: AYN400 or AYN300

AYN405 ADVANCED TAX PLANNING
Application of technical expertise in income tax and other revenue laws to specific tax planning situations including employment, retirement, investment, business and professional practice; the professional responsibilities of tax advisers.

Courses: BS70, BS87, BS94
Credit Points: 12
Contact Hours: 3 per week

AYN406 ADVANCED TAXATION
Analysis of the capital gains tax regime, a discrete area of taxation law that is complex in nature and has far-reaching commercial ramifications. The focus is on specific issues that have significant practical relevance.

Courses: BS70, BS87, BS94
Credit Points: 12
Contact Hours: 3 per week

AYN407 AUDIT SAMPLING
Statistical sampling methods in the performance of audits. Discussion centres on relevant statistical concepts rather than on unique computational issues. Topics include: the audit sampling process; auditor decisions and risk; attribute, variable and probability proportional-to-size sampling.

Courses: BS70, BS87, BS94
Credit Points: 12
Contact Hours: 3 per week

AYN408 AUDITING (PY)
Examination at an advanced level of auditing standards and their practical application, judgmental and statistical audit sampling, EDP controls, and computer-assisted audit techniques, and audit reporting.

Courses: BS70, BS87, BS94
Prerequisite: AYN401 or FNN300
Credit Points: 12
Contact Hours: 3 per week

AYN409 AUDIT STANDARDS & PRACTICE
An examination of relevant auditing standards and their implications for practice. Case studies develop an analytical approach and the ability to exercise professional judgement in audit problems. Recent journal articles, legal cases and newspaper reports are used in conjunction with the cases.

Courses: BS70, BS87, BS94
Credit Points: 12
Contact Hours: 3 per week

AYN410 BUSINESS LAW & ETHICS
Introduction to business law and to morality in the business context. Interpretation of statutes, law of torts, contract law, consumer protection and the utility of business structures; morality and how it works as an aspect of the business community; the origins of moral belief, and the motives which lead people to abide by what they believe to be morally right and to persuade others to do likewise. The functioning morality in society drawing on psychological, sociological and philosophical perspectives with special emphasis on business aspects of morality.

Courses: BS30, BS87, BS81, BS89, GS70, GS81
Credit Points: 12
Contact Hours: 3 per week

AYN411 COMPANY AUDITING
The audit environment; legal liability of auditors; professional ethics; study and evaluation of audit planning and programming, evidence, internal control theory and review techniques; audit program applications: revenue, receivables, cash; inventory; audit in EDP environment and evaluation of EDP controls; computer-assisted audit techniques; computer fraud; sampling techniques; ethics; the audit report.

Courses: BS81, BS89
Prerequisite: AYN417 or AYN113
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: AYN120

AYN412 COMPANY LAW
The law relating to the establishment, operation and dissolution of business associations, the forms of business associations; partnerships, joint ventures, trusts, companies and voluntary associations. A focus on companies; share capital prospectuses, directors' duties, incorporation and registration requirements.

Course: BS89
Prerequisites: AYN410 or ALN103
Credit Points: 12
Contact Hours: 3
AYN413 COMPUTER AUDITING
The impact of EDP controls and auditing; general EDP controls; generalised audit software, static and concurrent computer-assisted audit techniques, special EDP environments and computer fraud.
Courses: BS70, BS87, BS94
Credit Points: 12 Contact Hours: 3 per week

AYN414 COST ACCOUNTING
Introduction to management accounting: the role of the management accountant; cost concepts; costing systems; budgeting; extension of basic costing systems for multiple products and spoilage; direct and absorption costing; cost volume profit analysis.
Courses: BS70, BS87, GS81
Prerequisites: AYN416 or AYN112 or AYN403 or AYN101 or GSN202
Credit Points: 12 Contact Hours: 3 per week

AYN415 EXTERNAL REPORTING ISSUES
Issues in external reporting: the extractive industries; long-term construction contracts; segments; foreign currency operations, translations and transactions; leasing; tax-effect accounting; goodwill and unidentifiable intangibles; intercorporate investments and joint ventures; liabilities and off-balance sheet financing; and funds/cash flow statements. Readings from research and professional literature to enhance students' understanding of professional problems.
Courses: BS70, BS87, BS94
Credit Points: 12 Contact Hours: 3 per week

AYN416 FINANCIAL ACCOUNTING I
An introduction to accounting; recording business transactions; adjusting the accounts and preparing financial statements; completion of the accounting cycle; accounting systems and specialised journals; cash and cash journals; accounting for receivables and payables; accounting for merchandising operations and inventories; non-current assets; partnerships; companies; accounting for non-current liabilities; investments; statement of cashflows; analysis and interpretation of financial statements.
Course: BS30, BS81, BS89, GS81, GS70
Credit Points: 12 Contact Hours: 3 per week

AYN417 FINANCIAL ACCOUNTING II
Accounting function within a company; accounting for company income tax (tax-effect accounting); liquidation; acquisition of assets including companies; consolidated financial statements; equity accounting; disclosure in company financial statements.
Course: BS30, BS81, BS89, GS81, GS70
Prerequisite: AYN416 or AYN112
Credit Points: 12 Contact Hours: 3 per week

AYN418 FINANCIAL ACCOUNTING III
The evolution of accounting theory; the external financial reporting framework; theories of regulation and the conceptual framework; theory of the firm developed into the contracting cost framework; profits and application of the theory of profits - construction contracts and segment reporting; assets and the application of the theory of assets, intangible assets and the extractive industries; liabilities and the application of the theory of liabilities - debt defasance, debt versus equity and leases; further applications of the theory of profits, assets and liabilities - intercorporate investments, joint ventures and foreign currency transactions and translation.
Courses: BS30, BS81, BS89, GS81, GS70
Prerequisites: AYN417 or AYN113
Credit Points: 12 Contact Hours: 3 per week

AYN419 FINANCIAL MODELLING
Modelling as an organisational planning tool; the development and manipulation of databases in order to provide information sources for model building; the use of the modelling concept for solving investment and forecasting problems and analysing performance.
Courses: BS70, BS80, BS94
Credit Points: 12 Contact Hours: 3 per week

AYN420 FINANCIAL REPORTING
Conceptual framework; preparation and presentation of financial statements; accounting for income tax (tax-effect accounting), leases, construction contracts and the extractive industries; goodwill; acquisition and revaluation of assets; equity accounting. Please contact the School of Accounting office regarding commencement date. This unit commences in early January.
Courses: BS70, BS87, BS94
Credit Points: 12 Contact Hours: 3 per week

AYN421 INDIRECT TAXATION
Examination of tax relevant to the conduct of a business other than taxes directly imposed on a taxpayer's income and capital gains. Specific taxes covered include sales tax, payroll tax, land tax, stamp duty, customs, excise duties and the superannuation guarantee charge.
Courses: BS70, BS87, BS94
Credit Points: 12 Contact Hours: 3 per week

AYN422 INSOLVENCY & RECONSTRUCTION (PY)
The techniques used by the internal or operational auditors: the need for efficiency or value-for-money auditing; performance auditing; the internal auditor in large organisations both public and private; ethical considerations.
Courses: BS70, BS87, BS94
Credit Points: 12 Contact Hours: 3 per week

AYN423 INTERNATIONAL AUDITING
The techniques used by the internal or operational auditors: the need for efficiency or value-for-money auditing; performance auditing; the internal auditor in large organisations both public and private; ethical considerations.
Courses: BS70, BS87, BS94
Credit Points: 12 Contact Hours: 3 per week

AYN424 INTERNATIONAL ACCOUNTING
Issues related to international accounting and the international accounting standard setting process. Issues examined include: the harmonisation of accounting; the environmental influences on international accounting; accounting principles and procedures in selected countries; foreign currency translation and transactions; transfer pricing and management accounting issues; internal and external audits worldwide; impact of multinational enterprises; analysis of foreign financial statements.
Courses: BS70, BS87, BS94
Credit Points: 12 Contact Hours: 3 per week

AYN425 INTERNATIONAL TAXATION
Application of Australian income tax law and practice to situations and transactions with an international element: root principles of jurisdiction, residence and source; substantive taxing provisions governing residents and non-residents; tax planning arrangements and applicable anti-avoidance legislation.
Courses: BS70, BS87, BS94
Credit Points: 12 Contact Hours: 3 per week

AYN426 LEGAL ENVIRONMENT OF BUSINESS
A study of contemporary issues in Business Law.
EXAMINATION ISSUES

• AYN431 MANAGERIAL ACCOUNTING
  ISSUES B

  Changing management accounting techniques to encompass the needs of service industries, not-for-profit organisations and advancement in technology; issues of cost control including costing in multi-national firms, accounting for social costs, and public relations and ethical issues.

  Courses: BS70, BS87, BS94
  Credit Points: 12  Contact Hours: 3 per week

- AYN432 PUBLIC SECTOR ACCOUNTING
  ISSUES

  The unit will introduce students to the context and operation of public sector budgeting, accounting and reporting. Specific conceptual and practical issues will be examined which distinguish public sector accounting from private sector accounting.

  Courses: BS70, BS80, BS87, BS94
  Credit Points: 12  Contact Hours: 3 per week

- AYN433 SPECIAL TOPIC – PUBLIC ACCOUNTING

  A study of topical areas in the public accounting area.

  Courses: BS70, BS87, BS94
  Credit Points: 12  Contact Hours: 3 per week

- AYN434 SPECIAL TOPIC – MANAGERIAL ACCOUNTING

  Issues of significance in managerial accounting and finance. This unit is offered when required.

  Courses: BS70, BS87, BS94
  Credit Points: 12  Contact Hours: 3 per week

- AYN435 TAXATION 1A (PY)

  Prepares candidates enrolled in the Institute of Chartered Accountants Professional Year for the examination and workshops in the taxation module. Topics as prescribed by the Institute are covered in cursory fashion or in depth according to the particular knowledge level requirements specified.

  Courses: BS70, BS87, BS94
  Credit Points: 12  Contact Hours: 3 per week

- AYN436 TAXATION 1B (PY)

  Prepares candidates enrolled in the Institute of Chartered Accountants Professional Year for the examination and workshops in the taxation module. Topics as prescribed by the Institute are covered in cursory fashion or in depth according to the particular knowledge level requirements specified.

  Courses: BS70, BS87, BS94
  Prerequisite: AYN435 or ALN305
  Credit Points: 12  Contact Hours: 3 per week

- AYN437 TAXATION 2 (PY)

  A study program for candidates enrolled in the Advanced Taxation module of the Institute of Chartered Accountants Professional Year. Topics prescribed by the Institute are covered in sufficient depth to meet the requirements as specified in the module.

  Courses: BS70, BS87, BS94
  Prerequisite: AYN436 or ALN301
  Credit Points: 12  Contact Hours: 3 per week

- AYN438 TAXATION LAW & PRACTICE

  Statutory framework: assessable income, general and specific; capital gains, trading stock; allowable deductions; general and specific; levy of income tax: all entities; fringe benefits tax.

  Courses: BS30, BS89, GS70, GS81
  Prerequisite: AYN412
  Credit Points: 12  Contact Hours: 3 per week

- AYN439 MANAGEMENT ACCOUNTING

  Planning and control; decision-making and relevant costs; responsibility accounting; cost allocation; pricing techniques; transfer pricing; performance evaluation.

  Courses: BS89, GS70, GS81
  Prerequisite: AYN414
  Credit Points: 12  Contact Hours: 3 per week

- AYN440 SPECIAL TOPIC – COMMERCIAL LAW

  A study of topical issues in the commercial law area.

  Courses: BS70, BS87, BS94
  Credit Points: 12  Contact Hours: 3 per week

- AYN500 AUDITING HONOURS

  The nature of auditing research and review of current research in such areas as: the role of auditing; independence; reporting; liability; fraud detection; audit process; risk; materiality; internal control; analytical review; ethics; computer auditing; and auditing standards.

  Courses: BS50, BS63, BS70, BS87, BS94
  Credit Points: 12  Contact Hours: 3 per week

- AYN501 COMMERCIAL LAW HONOURS

  The law, policy and practice of financial disclosure; detailed examination of the rules governing the preparation and audit of financial information, whether for annual accounts, experts' reports, or for use in prospectuses or takeovers. Examines the respective theories governing accountants, auditors' and directors' liabilities. Sources of law considered include the Corporations...
Courses: BS60, BS63, BS70, BS87, BS94
Credit Points: 12 Contact Hours: 3 per week

**AYN502 FINANCIAL ACCOUNTING HONOURS**
The nature, methodology and development of accounting theory; transaction cost economics; positive accounting; accounting disclosure regulations; incentive problems and contracting explanations for external financial reporting; accounting policy choice and the value of the firm; accounting and the political process.
Courses: BS60, BS63, BS70, BS87, BS94
Credit Points: 12 Contact Hours: 3 per week

**AYN503 MANAGERIAL ACCOUNTING HONOURS**
Theoretical issues that constitute the foundations of managerial accounting theory and research; an investigation of the rationale and usefulness of managerial accounting; review of the research and literature in the areas of strategic management; management control systems; decentralisation and organisational structures; managerial performance measurement; executive performance and compensation; cost estimation and allocation.
Courses: BS60, BS63, BS70, BS87, BS94
Credit Points: 12 Contact Hours: 3 per week

**AYN504 TAXATION POLICY HONOURS**
A study of the Australian taxation system as it has evolved under the policy-making powers of the Australian government. The system is critically assessed using generally accepted criteria governing the formation of taxation policy. Detailed examination of matters on the current reform agenda.
Courses: BS60, BS70, BS87
Credit Points: 12 Contact Hours: 3 per week

**AYP400 AUSTRALIAN INDUSTRIAL LAW**
An introduction to industrial law: detailed study of law relating to trade unions and employer organisations; current developments in industrial law.
Course: BS74
Credit Points: 12 Contact Hours: 3 per week

**AYP401 EMPLOYMENT LAW**
Understanding of institutions, doctrines and methodology of general and industrial law; analysis of employment relationships; common law contract of employment; workers' compensation; legal liability for industrial action; the structure of federal and Queensland industrial relations laws.
Course: BS74
Credit Points: 12 Contact Hours: 3 per week

**AYP402 QUALITY COST ANALYSIS**
Accounting language in classification of costs, nature of fixed and variable costs for cost analysis; development of cost groupings within an organisation, use of cost allocation and cost control methods; prevention and appraisal cost data sources. Master budget, flexible budgets, derivation of standards for cost control, isolating variances, reviewing sub-standard production; burden of overhead costs, hiding the cost of poor quality production – single run case; overheads in service and nonprofit organisations; identifying the cost of production in a process – continuous run, pricing of partly finished goods and at production checkpoints; activity based costing as a means to optimise quality costs.
Course: IF659
Credit Points: 6 Contact Hours: 3 per week

**BNB001 LEARNING AT UNIVERSITY**
The importance of goal setting and motivation, differences between High School and University study, the student/lecturer relationship, approach to learning questionnaire; study management, clarification of learning goals, benefits of planning to the control of learning; using lectures and pracs to your advantage, networking, concept mapping and flow charts; using textbooks and set notes to boost understanding; active versus passive learning skills and the implications of both; professional writing – pracs, reports, assignments; critical thinking, problem-solving; concentration and memory; learning and stress management; exam preparation, strategies and techniques.
Courses: BS30, If54
Credit Points: 2 Contact Hours: 1.5 per week

**BNB003 PROFESSIONAL PRACTICE IN ASIA/PACIFIC**
Overview of the region; institutional and business environments; guidelines for professional practice overseas; sourcing opportunities; selected case studies.
Courses: CE42, EE44, ME45, IF44
Credit Points: 8 Contact Hours: 3 per week

**BNB004 TECHNOLOGY & SOCIETY**
Introduction of the technologies and philosophies employed by the professions in the faculty; social and ethical aspects of professional practice; introduction of study skills required at university; introduction of the three major engineering disciplines – explanation of their similarities and differences; introduction of the other professional groups represented in the Faculty of Built Environment and Engineering; explanation of how these groups interact with engineers and society; develop information retrieval skills; codes of ethics relevant to professional practice.
Courses: CE31, CE42, CE43, EE44, EE45, ME35, NE45, ME47
Credit Points: 8 Contact Hours: 3 per week

**BNB103 GENERAL ELECTIVE UNIT**
Studies previously completed by students in areas of business or humanities may be acceptable as a Group A elective: applications to have such studies accepted as meeting the Group A elective requirements are considered on an individual basis.
Courses: EE44, ME45
Credit Points: 4 Contact Hours: 2

**BN1000 INDUSTRIAL EMPLOYMENT 1**
Students should engage in at least 15 weeks' employment, approved by the Head of School. For the employment to be recognised, students must submit an industrial experience record form which has been completed by both the student and the employer.
Courses: CE21
Credit Points: 3 each Contact Hours: 15 weeks each

**BN1002 INDUSTRIAL EMPLOYMENT 2**
Students should engage in at least 15 weeks' employment, approved by the Head of School. For the employment to be recognised, students must submit an industrial experience record form which has been completed by both the student and the employer.
Courses: CE21
Credit Points: 3 each Contact Hours: 15 weeks each

**BN1003 INDUSTRIAL EMPLOYMENT 3**
Students should engage in at least 15 weeks' employment, approved by the Head of School. For the employment to be recognised, students must submit an industrial experience record form which has been completed by both the student and the employer.
Courses: CE21
Credit Points: 3 each Contact Hours: 15 weeks each
Students should engage in at least 15 weeks' employment, approved by the Head of School. For the employment to be recognised, students must submit an industrial experience record form which has been completed by both the student and the employer.

**Courses:** CE21  
**Credit Points:** 3 each  
**Contact Hours:** 15 weeks each

### BNT500 INDUSTRIAL EMPLOYMENT 5
Students should engage in at least 15 weeks' employment, approved by the Head of School. For the employment to be recognised, students must submit an industrial experience record form which has been completed by both the student and the employer.

**Courses:** CE21  
**Credit Points:** 3 each  
**Contact Hours:** 15 weeks each

### BNT600 INDUSTRIAL EMPLOYMENT 6
Students should engage in at least 15 weeks' employment, approved by the Head of School. For the employment to be recognised, students must submit an industrial experience record form which has been completed by both the student and the employer.

**Courses:** CE21  
**Credit Points:** 3 each  
**Contact Hours:** 15 weeks each

### BNT700 INDUSTRIAL EMPLOYMENT 7
Students should engage in at least 15 weeks' employment, approved by the Head of School. For the employment to be recognised, students must submit an industrial experience record form which has been completed by both the student and the employer.

**Courses:** CE21  
**Credit Points:** 3 each  
**Contact Hours:** 15 weeks each

### BNT800 INDUSTRIAL EMPLOYMENT 8
Students should engage in at least 15 weeks' employment, approved by the Head of School. For the employment to be recognised, students must submit an industrial experience record form which has been completed by both the student and the employer.

**Courses:** CE21  
**Credit Points:** 3 each  
**Contact Hours:** 15 weeks each

### BSB110 ACCOUNTING
A study of the basic accounting process, both financial and managerial, and an introduction to the interpretation of accounting information. This unit covers financial procedures and reporting for sole traders, partnerships, companies, and interpretation of financial statements; planning, control and business decision making.

**Courses:** AA21, B550, B556, ED23, ED50, IF537, IF552, IF554, IS43, IT20, PU48  
**Credit Points:** 12  
**Contact Hours:** 4 per week

### BSB111 BUSINESS ETHICS
This unit introduces students to a framework of ethical decision making which draws on a variety of ethical theories. The first part of the unit develops the theoretical underpinning of ethics. The second part applies the theoretical concepts to actual business decisions. The third part analyses aspects of the legal environment in the light of ethical reasoning.

**Courses:** BS56  
**Credit Points:** 12  
**Contact Hours:** 3 per week

### BSB112 BUSINESS TECHNOLOGY AND INFORMATION
Provides students with an introduction to electronic commerce and business systems and with a practical understanding of the computing, communications and information technology systems underlying electronic business systems used both nationally and internationally. Overview of how to find and retrieve information provided in electronic business. The impact of electronic business in terms of security, privacy, legal issues. Practical experience in using and applying common business software functions such as word processing, graphics, spreadsheet and database to business information problems.

**Courses:** BS56  
**Credit Points:** 12  
**Contact Hours:** 3 per week

### BSB113 ECONOMICS
In this unit students will be introduced to the key concepts of economics, both macro and microeconomics, presented in an intuitive and applied fashion. The role of the market and prices in achieving an economically efficient allocation of resources is described, in particular, the markets for products, labour and capital in Australia and its competitors are examined. Current important economic issues, such as the importance of savings for economic growth and the "problem" of the balance of payments and foreign debt are discussed. The use of real Australian data and examples will illustrate the relevance of the topics to Australian business and government and show how these relate to the international economy.

**Courses:** BS50, BS56  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** EPB116, EPB140, EPB150, EPB172

### BSB114 GOVERNMENT, BUSINESS AND SOCIETY
This unit will provide a basic grounding in the principles, institutions and functions of government, and their interactions with business and society. Its principal focus is the structure and key features of Australia's constitutional and government framework including the judicial and administrative processes, especially as they affect business. Students also will develop a comparative appreciation of the principles, institutional arrangements and practices of contemporary government in a global context. This will include consideration of law-making and policy processes and the impact of the changing national and international environment.

**Courses:** BS56  
**Credit Points:** 12  
**Contact Hours:** 3 per week

### BSB115 MANAGEMENT, PEOPLE AND ORGANISATIONS
The unit provides an introduction to the theories and practice of management and organisations. Emphasis is on the conceptual and people skills that will be needed at all levels of management and in all areas of organisational life. The unit acknowledges that organisations exist in an increasingly international environment where the emphasis will be on knowledge, the ability to learn, to change and to innovate. Organisations are viewed from individual, group, corporate and external environmental perspectives.

**Courses:** BS56  
**Credit Points:** 12  
**Contact Hours:** 3 per week

### BSB116 MARKETING AND INTERNATIONAL BUSINESS
This introductory subject focuses on the role and importance of international business and marketing to the contemporary organisation. The subject matter will concentrate on the major decision-making areas of international business and marketing. Emphasis will be given to topics such as international trade, world financial legal systems, globalisation processes, technological change and the opportunities, constraints and problems which challenge the design of marketing strategies in the international business environment. The unit is divided into five sections dealing with: the world financial environment; the legal environment; the physical
environment and the role of technology: the socio-cultural context of international business and marketing, transactional relations. Each section will have a theoretical component and students will be introduced to the relevant international and regional institutions, the major problems confronting international business and marketing and the analytical approaches which may be used in their study.

Courses: B550, B556
Credit Points: 12  Contact Hours: 3 per week

■ BSB117 PROFESSIONAL COMMUNICATION AND NEGOTIATION
Introduces students to the principles and applications of communication within the professional context. This unit covers academic and workplace writing, oral presentations, negotiation, and current technology for writing and presentations.

Courses: B550, B556
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: COB160, COB106, COB205

■ BSB118 BUSINESS COMMUNICATION & APPLICATION SYSTEMS
Nature and development of information systems: transaction processing and computer applications in business; management information systems, decision support systems, executive information systems and expert systems; security issues; theory and practice of written communication in a professional context.

Courses: IF33, IF38, IF53, IF54, IS28, IS43, IT20, IT32, BS56
Credit Points: 12  Contact Hours: 3 per week

■ BSB300 MANAGEMENT, THE FIRM AND INTERNATIONAL BUSINESS
Provides a detailed examination of the impact of the international environment upon management and the firm. Examines how management and the firm responds to change if success is to be achieved in a competitive international market. Focuses upon the concepts of change and efficiency in examining dimensions of management practices in order to assess the capacity of a firm to respond proactively: as well as organisational form, major functional processes, networks and strategic responses.

Courses: B550, B556
Prerequisites: BSB102 or HRN104 or BSB115 and MB202 or BSB116 and MGB206
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: HRB118

■ BSN401 MANAGEMENT, THE ORGANISATION AND INTERNATIONAL BUSINESS
Whereas BSN408 is concerned with broad, international trends, this unit aims to provide a detailed examination of the typical impacts of the international environment upon the organisation, its management, structure, operations and human resource capacities. In addition, the unit will provide an introduction to the management issues to be faced by organisations entering into export markets.

Credit Points: 12  Contact Hours: 3 per week

■ BSN402 PRODUCT AND SERVICE EVALUATION
A major first step in addressing an organisation's capacity to compete in the global environment is the evaluation of the adequacy of the goods and services it provides. The aim of this unit is to provide students with the ability to select from and apply a range of evaluative frameworks and related techniques suitable in a variety of settings, to a range of products and services.

Prerequisites: BSN408 or EPN108 or GSN101 or 48 credit points in the MBA (Prof)
Credit Points: 12  Contact Hours: 3 per week

■ BSN403 PRODUCT AND SERVICE INNOVATION AND DEVELOPMENT
Once the strengths and weaknesses of an organisation's products and services have been identified and evaluated, the task is to determine the appropriate, innovative products and services that will enhance its market position. Models of product innovation and development will be examined, followed by an application of the models in an applied fashion, focusing upon: idea generation and screening; evaluating product and service ideas; financial evaluation; design for new and existing markets; human resource needs and capacities for innovation and development.

Prerequisites: BSB408 or EPN108 or GSN101 or 48 credit points in the MBA (Prof)
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: Seminars in Product Innovation and Development or MKN109

■ BSN404 PROJECT I
This unit is designed to permit the student to undertake a research project, subject to the approval of the Course Coordinator.

Course: B594  Credit Points: 12

■ BSN405 PROJECT II
This unit is designed to permit the student to undertake a research project, subject to the approval of the Course Coordinator.

Course: B594  Credit Points: 12

■ BSN406 PROJECT III
This unit is designed to permit the student to undertake a research project, subject to the approval of the Course Coordinator.

Courses: B593, B594  Credit Points: 24

■ BSN407 STRATEGIC BUSINESS ANALYSIS
A knowledge of international and domestic industry market trends and their specific impacts upon the organisation provides the basic data for the development of flexible strategic visions and plans. The aim of this unit is to provide an examination of major paradigms in strategic formulation and implementation, developing a synthesis of competing prescriptive and descriptive approaches. It will enable the development of an integrating framework to explore why organisations differ and how these differences, in terms of individual competencies and organisational capacities, provide for sustainable competitive advantage in domestic and international markets.

Prerequisites: BSB408 or EPN108
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MBA Strategic Management or Business Policy units.

■ BSN408 BUSINESS AND THE INTERNATIONAL ENVIRONMENT
Business operates in an increasingly international environment which has direct and rapid impacts upon domestic and other markets for products and services. The aim of this unit is to provide a detailed understanding of...
the structure of that environment, its current and important trends. The focus will be on the economic, social and political factors determining the contemporary international business structure and its likely future development.

Course: GS80  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: GSN101

- BSN409 RESEARCH PROJECT  
A major piece of applied research. The research project provides the opportunity to apply and reinforce the education and knowledge gained from the course to resolve a complex business problem in accounting, banking and finance and related discipline by research report, case study or application of technology. The final project must demonstrate an ability to identify and research a complex business problem in accounting, banking and finance and accounting legal studies or related discipline.

Course: BS94  
Prerequisite: BSN500  
Credit Points: 24  
Contact Hours: 3 per week

- BSN500 RESEARCH METHODS  
The research methodology used in accounting and economics disciplines; the use of certain research techniques to assist students in their research dissertation and preparation of research papers; aims to develop a capacity to build a theoretical model, to design an appropriate research methodology and to understand and utilise statistical analysis for research purposes. This unit is a prerequisite for BSN501 Dissertation and should be attempted immediately prior to enrolment in BSN501 Dissertation.

Courses: BS50, BS70, BSR7  
Credit Points: 12  
Contact Hours: 3 per week

- BSN501 DISSERTATION  
Students undertake a study of an issue as the culmination of their Honours program. The dissertation must have a well-developed conceptual foundation and include a primary research component.

Course: BS63  
Credit Points: 48

- BSN502 RESEARCH METHODOLOGY  
The purpose of this study is to provide students with a range of ideas and methods that will enable them to analyse, evaluate and conduct research in discipline areas related to Business. It provides an essential and basic preparation for the development of a thesis or dissertation proposal. Areas of study include: research paradigms; analysis and criticism; research design; data collection; data manipulation and interpretation; presentation.

Courses: BS63, BS85, BS61, BS92  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: BSB400

- BSN503 RESEARCH SEMINAR  
The aim of this unit is for the student to prepare a detailed review of the literature relevant to the thesis or dissertation proposal. Students will be required to prepare and present a detailed seminar paper describing and explaining the results of their review, and its relevance to the thesis or dissertation proposal. The unit is structured into two parts: the first provides a series of lectures from staff advising as to the requirements of a thorough, well-directed literature search and review; the second consists of a series of seminars from students presenting their findings.

Courses: BS63, BS85, BS61, BS92  
Credit Points: 12  
Contact Hours: 3 per week

- BSN600 THESIS  
This is the major component of a research Masters and consists of a substantial study of an applied or theoretical issue. Students are expected to present a seminar each semester on their progress to date and, in the final semester, on the outcomes of their study. The thesis is expected to have a sound conceptual and theoretical foundation for the exploration of a significant communication topic using primary research data. The thesis report should be of approximately 50,000 words.

Course: BS80  
Credit Points: 96  
Contact Hours: 120

- CEB106 EXPERIMENTAL DESIGN AND ANALYSIS  
Introduction to designing simple laboratory experimental investigations. Production of working drawings for manufacture of testing apparatus. Use of data acquisition software and hardware, including strain gauges, LVDT's and load cells. The role of safety and quality audits in the laboratory.

Course: CE31  
Credit Points: 8  
Contact Hours: 4

- CEB108 APPLIED PHYSICS  
Allows students without senior high school physics to obtain a basic grounding in areas such as electricity, magnetism, kinematics and mechanics and their practical applications in civil engineering.

Course: CE31  
Credit Points: 8  
Contact Hours: 4

- CEB170 ENGINEERING SCIENCE  

Course: CE31  
Credit Points: 8  
Contact Hours: 3

- CEB184 ENGINEERING MECHANICS 1  
Introduction to statics, forces, moments and couples; resolution and resultant of forces acting on a particle or rigid body; equilibrium of particle or rigid body under forces and/or moments; analytical and graphical methods for plane truss analysis; shear force and bending moment in beams; the properties of sections.

Course: CE64  
Credit Points: 8  
Contact Hours: 21 per week over 4 weeks

- CEB185 ENGINEERING MECHANICS 2  
Principles of structural mechanics, stress, strain and elasticity; indeterminate structures and compatibility; simple beam theory including the flexure formula and the shear stress formula; torsion of circular sections; stresses in thin-walled pressure vessels; shear force and bending moment diagrams; hydrostatics.

Course: CE42  
Corequisite: CEB184  
Credit Points: 8  
Contact Hours: 21 per week over 4 weeks

- CEB192 INDUSTRIAL EXPERIENCE 1  
Students should engage in at least five weeks' employment, approved by the Head of School. For details see the School's Industrial Experience Handbook.

Course: CE42, CE43, IF42  
Contact Hours: 5 weeks

- CEB201 STEEL STRUCTURES  
Structural behaviour and limit state design of steel structures, first as structural elements such as beams, columns, beam-columns and ties, then their connections (bolted and welded) and simple assemblies. Practical details and economy are discussed. Site visit and laboratory testing may be included.

Course: CE42, CE43, IF42  
Prerequisite: CEB185  
Credit Points: 8  
Contact Hours: 3.5 per week
CEB202 CONCRETE STRUCTURES I
Basic principles involved in the limit state design of reinforced concrete structures. The determination of size and reinforcement to resist shear and bending in beams. Anchorage and detailing of reinforcement. Deflections in concrete structures and the analysis of long and short columns in uniaxial bending.
Courses: CEB31, CEB42, CEB43, IF42
Prerequisite: CEB185
Credit Points: 8 Contact Hours: 3.5 per week

CEB203 CAD FOR CIVIL ENGINEERS
Using personal computers and networks for civil engineering drafting and design. Software packages such as AutoCad, Civil 3D, MicroStation, or their equivalents will be used to prepare plans and designs for engineering projects.
Course: CEB31
Credit Points: 8 Contact Hours: 3

CEB204 COMPUTER APPLICATIONS
The use and management of information technology related to civil engineering. Information system design and delivery mechanisms for the systems. The use of computing systems for the acquisition, analysis and presentation of data.
Course: CEB31
Credit Points: 8 Contact Hours: 3

CEB211 HIGHWAY ENGINEERING
Highway geometry including vehicle performance and human factors as they relate to road geometry, geometric design, geometric coordination and use of computer-aided design. Highway pavements including pavement materials and construction processes, pavement cross-sections and drainage, pavement theory and pavement analysis methods. Construction sites will also be visited.
Course: CEB42, CEB43, IF42, CE31
Prerequisites: CEB293, PSB907
Credit Points: 8 Contact Hours: 4 per week

CEB212 ENGINEERING INVESTIGATION ANALYSIS AND REPORTING
Recording, analysing and presenting data are important facets of modern civil engineering practice. Not only do engineers use rapidly changing, microcomputer-based technology to access and analyse data, but they must be able to explain the results of their work in clear reports to their peers and to the public. Skills are developed in these aspects of engineering practice, emphasising the use of microcomputers. Microcomputers and their applications in civil engineering; investigation and reporting, and the use of wordprocessors, spreadsheets, databases and computer graphics; development of student confidence and ability in keeping up with this changing technology. Verbal and written presentation techniques of civil engineering investigation topics. Skills taught in this unit will also aid students in most units taught in the curriculum.
Courses: CEB42, CEB43, CEB44, IF42
Prerequisite: MEB181
Credit Points: 8 Contact Hours: 4 per week

CEB224 COMPUTER APPLICATIONS
The applications of computers in civil engineering will be studied with emphasis on software packages. This unit will establish the tools essential for CEB225 and CEB226 Civil Projects A & B.
Course: CEB31
Credit Points: 8 Contact Hours: 3 per week

CEB225 CIVIL PROJECTS A
These units will integrate the skills and knowledge developed in earlier units by applying the basic engineering science and technology to complete specific engineering design projects. The objectives of this problem-based learning include both the development of specific design skills and the development of generic skills such as professional problem solving, group management, presentation and communication and professional practice issues such as ethics and social effects.
Course: CEB31
Credit Points: 8 Contact Hours: 4 per week

CEB226 CIVIL PROJECTS B
These units will integrate the skills and knowledge developed in earlier units by applying the basic engineering science and technology to complete specific engineering design projects. The objectives of this problem-based learning include both the development of specific design skills and the development of generic skills such as professional problem solving, group management, presentation and communication and professional practice issues such as ethics and social effects.
Course: CEB31
Credit Points: 8 Contact Hours: 4 per week

CEB240 SOIL MECHANICS I
Description and classification of soil for engineering purposes; moisture/density relationships; compaction; pore pressure, effective stress and suction; shear strength of cohesionless and cohesive soils; lateral earth pressure; earth retaining structures design.
Course: CEB42, CEB43, IF42, CE31
Prerequisite: CEB185
Credit Points: 8 Contact Hours: 3.5 per week

CEB241 SOIL MECHANICS II
Bearing capacity of shallow foundations; permeability and seepage; surface loading on an elastic medium; pore pressure parameters; consolidation; settlement and design of shallow foundations; computer applications in seepage and consolidation.
Course: CEB31, CEB42, CEB43, IF42
Prerequisite: CEB240
Credit Points: 8 Contact Hours: 3 per week

CEB254 STRUCTURAL ENGINEERING I
Determination of forces and/or bending moment distribution in simple determinate structures, stress distributions and transformation of stresses, strain and second moments of area, deflections of beams by the virtual work method and unsymmetrical bending.
Course: CEB42, CEB43, IF42, CE31
Prerequisite: CEB185 Corequisite: MAB487
Credit Points: 8 Contact Hours: 3.5 per week

CEB255 STRUCTURAL ENGINEERING II
Analysis of simple determinate structures by moment distribution and sway settlement and temporary affect, plastic analysis of beams, influence line diagram for beam frames and trusses, tension on members and deflections of frames and trusses by virtual work method.
Course: CEB42, CEB43, IF42
Prerequisites: CEB254, MAB487
Credit Points: 8 Contact Hours: 3.5 per week

CEB260 FLUID MECHANICS
Fluid mechanics; its relationship to civil engineering practice; fluid properties; fluid statics, pressure, forces, buoyancy and stability; continuity, energy and momentum applied to steady one-dimensional flows; viscosity,
turbulence, boundary layers and fluid dynamics forces; dimensional analysis.  

Course: CE42, CE43, IF42, CE31  
Prerequisites: CEB185, MAB187, MAB188  
Credit Points: 8  
Contact Hours: 3.5 per week  

CEB261 HYDRAULIC ENGINEERING 1  
The applications of fluid mechanics to pipe and open channel flow, flow measurement and hydraulic machinery. Topics include: steady flow in pipes, networks, flow measurement, uniform flow in open channels, pump and turbines.  

Course: CE42, CE31, CE43, IF42  
Prerequisite: CEB260  
Corequisite: MAB487  
Credit Points: 8  
Contact Hours: 3.5 per week  

CEB270 ENVIRONMENTAL SCIENCE  
An introduction to the basic principles of ecology and natural systems. To give an appreciation of the adverse consequences of various types of pollution.  

Courses: CE42, CE31, CE43, IF42  
Prerequisite: CEB260  
Corequisite: MAB487  
Credit Points: 8  
Contact Hours: 3.5 per week  

CEB292 INDUSTRIAL EXPERIENCE 2  
Students should engage in at least five weeks' employment, approved by the Head of School. For details see the School's Industrial Experience Handbook.  

Course: CE42, CE43, IF42  
Contact Hours: 5 weeks  

CEB293 CIVIL ENGINEERING MATERIALS  
Physical, chemical and engineering properties of common civil engineering materials. Ferrous and nonferrous metals and alloys, timber, bitumen, cladding materials, polymers, corrosion of materials and protective measures. Selection of materials. Role of quality control in engineering units.  

Course: CE42, CE43, IF42  
Prerequisites: MEB134  
Credit Points: 8  
Contact Hours: 3 per week  

CEB294 ENGINEERING SCIENCE  
This will be designed to strengthen the engineering science background of associates. It will allow for some students to be exempt from parts of the subject in which they have a strong background.  

Course: CE31  
Prerequisite: MEB134  
Credit Points: 8  
Contact Hours: 4 per week  

CEB304 CIVIL ENGINEERING DESIGN 1  
Design project work involving the use of steel and reinforced concrete, geotechnical and highway designs; the influence of construction method to design; students prepare design calculations and sketches with the help of design aids and computer software; problem solving skills using projects.  

Course: CE42, CE43, IF42  
Prerequisites: CEB201, CEB202, CEB211, CEB240, CEB255, CEB241  
Credit Points: 16  
Contact Hours: 3.5 per week  

CEB306 CONCRETE STRUCTURES 2  
Principles involved in the serviceability limit state and ultimate limit state design of prestressed concrete structures. Stress blocks and equivalent loads due to prestress, losses, serviceability limit states of cracking and deflection, ultimate limit states of bending and shear, evaluation of deflections and design.  

Course: CE42, CE43, IF42  
Prerequisite: CEB202  
Credit Points: 8  
Contact Hours: 3 per week  

CEB309 CONSTRUCTION PRACTICE  
Basic procedures of civil engineering construction; provides a foundation for further construction studies; gives a practical perspective to later theoretical units.  

Course: CE31, CE42, CE43, IF42  
Prerequisites: CEB202, CEB293  
Credit Points: 8  
Contact Hours: 3.5 per week  

CEB315 TRAFFIC ENGINEERING  
Traffic theory; traffic behaviour, models; traffic management analysis; unsignalled and signalled intersections, street lighting, signs, markings, barriers, parking. Traffic studies and transport planning.  

Course: CE31, CE42, CE43, IF42  
Prerequisite: CEB211  
Credit Points: 8  
Contact Hours: 3 per week  

CEB316 CONSTRUCTION PLANNING & ECONOMICS  
Manual and computer based methods for the planning and programming of projects. The principles of economic and financial analysis pertaining to the planning and execution of engineering projects.  

Course: CE31, CE42, CE43, IF42  
Credit Points: 8  
Contact Hours: 3 per week  

CEB342 GEOTECHNICAL ENGINEERING 1  
Soil slope stability analysis by limit equilibrium, drained and undrained conditions. Tack mechanics; rock properties and shear strength. Application to simple slope stability models. Pile foundations; vertical load soil capacity and settlement. Site investigation and in situ determination of soil properties.  

Course: CE42, CE43, IF42  
Prerequisite: CEB241  
Credit Points: 8  
Contact Hours: 3 per week  

CEB356 STRUCTURAL ENGINEERING 3  
Structural analysis of determinate structures under moving loads using influence lines for beams and trusses. The application of plastic analysis techniques to the analysis of beams, frame and slab structures.  

Course: CE42, CE43, IF42  
Prerequisite: CEB255  
Credit Points: 8  
Contact Hours: 3 per week  

CEB360 HYDRAULIC ENGINEERING 2  
Hydraulics; unsteady flow, movable boundary hydraulics, hydraulic models and hydraulic design of structures. Topics include: steady flow compound open channels with variable roughness; unsteady flow in pipes; unsteady flow in open channel flow; design of hydraulic structures such as transitions, culverts, cress, chutes, etc.; mobile boundary hydraulics; the theory and practice relating to fixed and mobile boundary, natural scale and distorted models.  

Course: CE42, CE43, IF42  
Prerequisite: CEB261  
Corequisite: MAB893  
Credit Points: 8  
Contact Hours: 3 per week  

CEB364 ENGINEERING SCIENCE 2  

Courses: PS47, PS48, SV44  
Prerequisites: MAB199, MEB221  
Credit Points: 6  
Contact Hours: 3 per week  

CEB371 WATER AND WASTEWATER SYSTEMS  
With CEB370, this unit provides a basic understanding of public health engineering practice and an introduction to design in the area of water and wastewater systems. This is a major application area for both generalist civil engineers and environmental engineers.  

Course: CE31, CE42, CE43, IF42  
Prerequisite: CEB373  
Credit Points: 8  
Contact Hours: 3 per week  

CEB372 ENVIRONMENTAL TECHNOLOGY  
An introduction to resource management and pollution control. The effects of technological processes on the environment. Concept of sustainable development.  

Courses: CE31, CE42, CE43  
Prerequisites: CEB270, SCB246  
Corequisite: CEB370  
Credit Points: 8  
Contact Hours: 3 per week
CEB373 PUBLIC HEALTH ENGINEERING 1
The principles of public health engineering. Causes and effects of water pollution, principles of unit processes and operations of water quality control. An introduction to air pollution, its causes and control.
Course: CE31, CE42, CE43, IF42
Prerequisite: SCB246
Credit Points: 8 Contact Hours: 3.5 per week

CEB375 ENVIRONMENTAL SCIENCE & TECHNOLOGY
An introduction to the basic principles of ecology and natural systems. To give an appreciation of the adverse consequences of various types of pollution
Course: CE42, CE43
Prerequisite: SCB246
Credit Points: 7 Contact Hours: 3 per week

CEB392 INDUSTRIAL EXPERIENCE 3
Students should engage in at least five weeks' employment, approved by the Head of School. For details see the School's Industrial Experience Handbook.
Course: CE42, CE43
Credit Points: 8 Contact Hours: 5 weeks

CEB401 DESIGN PROJECT
Students will work in groups to produce initial studies and outline designs of typical civil engineering projects. Students are required to define problems, establish goals for the project, identify and collect necessary information, generate alternative solutions and optimise some of these solutions. Students are to develop an awareness of the possible impact of civil engineering projects on ecosystems. Students will prepare and present reports on aspects of selected projects, including feasibility studies, environmental and economic assessment. Compulsory site visits.
Course: CE42, CE43
Prerequisites: CEB316, CEB315, CEB362, CEB341
Credit Points: 8 Contact Hours: 3 per week

CEB402 PROFESSIONAL PRACTICE
Engineering organisations, project initiation, documentation, form of contract, contract administration, arbitration, safety and insurances, legal responsibilities, ethics. Preparation in job applications and interview techniques.
Course: CE42, CE43, IF42
Prerequisite: CEB316
Credit Points: 8 Contact Hours: 3 per week

CEB407 STRUCTURAL APPLICATIONS
Analysis, design, supervision of construction and performance of structures. Topics include: structural systems, modelling, sketching, civil engineering structures, designing for construction, detailing and lessons from structural failures, timber structures and the role of testing, controlling vibrations in structures.
Course: CE42, CE43, IF42
Prerequisites: CEB255, CEB355
Credit Points: 8 Contact Hours: 3 per week

CEB408 CIVIL ENGINEERING DESIGN 2
Continuation of CEB304, with topics covering structural and civil engineering design, i.e. municipal civil/structural projects. Field visits are required. More general problem-solving skills are developed so graduates can successfully complete projects other than those covered in the course.
Course: CE42, CE43, IF42
Prerequisites: CEB293, CEB304, CEB342, CEB371
Credit Points: 16 (8 per semester)
Contact Hours: 3 per week

CEB464 ENGINEERING SCIENCE 3
Rainfall intensity duration frequency relating in Australia; hydrographs, annual rainfall; stream flow hydrographs, rainfall-runoff relations, including the rational formula; frequency analysis, open channel flow, pipelines and culverts; design of stormwater drainage systems, including major and minor systems; water supply and sewerage descriptive treatment of sources and treatment processes.
Course: PS47, PS48
Prerequisite: CEB364
Credit Points: 6 Contact Hours: 3 per week

CEB471 ENVIRONMENTAL DESIGN PROJECT
Intended to combine material covered in a number of disciplinary areas into a realistic environmental engineering project where the overall scope of a 'real world' environmental engineering problem is investigated. A general approach to problem definition and solution is to be emphasised and the identification and study of environmental impacts is illustrated by application to a specific project.
Course: CE42, CE43
Prerequisites: CEB362, CEB316, CEB315, CEB342
Credit Points: 8 Contact Hours: 3 per week

CEB475 ENVIRONMENTAL ENGINEERING DESIGN
Continues on from Civil Engineering Design 1 with the emphasis shifting to design of projects involving water quality management, waste management, land management and other environmental engineering applications. More general problem-solving skills are to be developed so that graduates can successfully complete projects other than those covered in the course. There is special emphasis on the appropriate use of computers for engineering analysis and design and on the potential use of computers for monitoring and control of engineering processes.
Course: CE42, CE43
Credit Points: 16 (8 per semester)

CEB493 PROJECT (CIVIL)
Students undertake a relatively difficult task in an area of civil engineering practice requiring research and development. Each project will include: a literature review; problem definition; organisation and execution of a program of investigation; critical analysis of investigation; presentation of a seminar on the work and presentation of a written report.
Course: CE42, CE43, IF42
Prerequisites: CEB304, CEB270, CEB372
Credit Points: 16 (8 per semester)

CEB502 PROJECT CONTROL
The planning and management of engineering development of signifcance requires a range of project management skills relating to the interactions required with other professional disciplines, clients, government and the community. This subject provides training and experience in the application of these inter-disciplinary skills.
Course: CE42, CE43, IF42  Prerequisite: CEB316  Credit Points: 8  Contact Hours: 3 per week

■ CEB503 ADVANCED CONSTRUCTION METHODS
Examination of existing practice and technology in the construction industry and insights into current and future developments in construction techniques and plant. Site visits are included.
Course: CE42  Prerequisites: CEB305, CEB309  Credit Points: 8  Contact Hours: 3 per week

■ CEB505 PROJECT MANAGEMENT & ADMINISTRATION
Using case studies and 'role playing' techniques, students are required to develop solutions to a variety of project management problems. Submit reports and make presentations regarding these exercises.
Course: CE42, CE43, IF42  Prerequisite: CEB316  Credit Points: 8  Contact Hours: 3 per week

■ CEB506 CIVIL ENGINEERING PRACTICE 2
Lectures, tutorials, practical work and field trips covering current topics in a specified area of civil engineering at an advanced undergraduate level. Unit is offered irregularly. When offered, the unit material will be advertised by the Head of School.
Course: CE42, CE43, IF42  Prerequisites: Students must be in the final year of their course.
Credit Points: 8  Contact Hours: 3 per week

■ CEB511 TRANSPORT ENGINEERING 2
Students focus on two aspects of transport engineering, rural road upgrading and small urban area transportation planning and road needs. Includes highway upgrading, deficiency analysis, traffic accident analysis, traffic flow simulation, staged development; overtaking lanes and rural intersection design; application of four-step transportation planning models, surveys, zone selection, network development, trip generation, distribution, assignment, model calibration, future year modelling, evaluation and selection of road needs, sensitivity analysis.
Course: CE42, CE43, IF42  Corequisite: CEB512  Credit Points: 8  Contact Hours: 3 per week

■ CEB512 TRANSPORT ENGINEERING 1
Land use/transport interaction, trip generation, trip distribution, mode choice, transport operations analysis, transport economics, transport capacity, urban road planning principles, urban transit planning, railway, aviation and bulk commodity systems design. Advanced pavement design techniques.
Course: CE42, CE43, IF42  Prerequisite: CEB313  Credit Points: 8  Contact Hours: 3 per week

■ CEB520 FINITE ELEMENT METHODS
Finite element, finite difference and similar numerical techniques. Theoretical and modelling considerations are covered in the context of case studies in structures, soil mechanics and hydraulics.
Course: CE42, CE43, IF42  Prerequisite: CEB355  Credit Points: 8  Contact Hours: 3 per week

■ CEB531 MASONRY DESIGN
Course: CE42, CE43, IF42  Prerequisites: CEB306, CEB355  Corequisite: CEB293  Credit Points: 8  Contact Hours: 3 per week

■ CEB541 GEOTECHNICAL ENGINEERING 2
Course: CE42, CE43, IF42  Prerequisite: CEB341  Credit Points: 8  Contact Hours: 3 per week

■ CEB542 GEOTECHNICAL ENGINEERING 3
Development of marginal lands: trafficability; embankments on soft soil; preloading; vertical drainage; vibroflotation; dynamic compaction and methods of deep foundation improvement. Rock excavation and slope stabilisation. Soil improvement, including mechanical and chemical stabilisation, soil reinforcement and other techniques. Anchoring in soil and rock. Earth and rockfill design and construction.
Course: CE42, CE43, IF42  Prerequisite: CEB541  Credit Points: 8  Contact Hours: 3 per week

■ CEB543 ENVIRONMENTAL GEOHYDROLOGY
An introduction into the investigation and analysis of groundwater flow through porous media, including numerical modelling and contaminant transport.
Course: CE31, CE42, CE43, IF42  Prerequisite: CEB342  Credit Points: 8  Contact Hours: 3 per week

■ CEB551 ADVANCED STRUCTURAL DESIGN
Emphasis on the design of more complex structures. Normally three projects are studied involving some or all of: design in new materials, new analytical techniques, new codes of practice, novel structures.
Course: CE42, CE43, IF42  Prerequisites: CEB201, CEB306, CEB354  Corequisite: CEB408  Credit Points: 8  Contact Hours: 3 per week

■ CEB560 HYDRAULIC ENGINEERING 3
Lectures, tutorial, practical work and site visits examine selected topics in water engineering. Topics chosen from hydrology, mobile bed hydraulics, river hydraulics, hydraulic structures, urban drainage, physical and mathematical modelling.
Course: CE42, CE43, IF42  Prerequisites: CEB261, CEB362  Credit Points: 8  Contact Hours: 3 per week

■ CEB561 COASTAL ENGINEERING
Coastal engineering: wave theory, recording and analysis, wave generation; coastal processes, tides, surges, etc. currents, sediment movement, foreshore protection; coastal inlets, canal systems; planning and design of coastal structures; hydraulic models.
Course: CE42, CE43, IF42  Prerequisite: CEB261  Corequisite: CEB362  Credit Points: 8  Contact Hours: 3 per week

■ CEB564 ENGINEERING SCIENCE 4
Road pavement and building footing appraisal methods; earthworks and reclamation design/testing procedures; local authority/DPW design guidelines for water supply and sewerage reticulation, all lining methods; roads, earthworks, pavements, surfacing, etc.; stormwater trenching, bedding and backfilling; water/sewer trenching, bedding, testing and backfilling; other services conduit, specifications and estimating procedures; preparation of selected engineering design plans roadworks, stormwater and other services; other engineering services for land developments projects; material selected to suit the student group; costing of engineering services; use of planning figures and unit costs; design office exercises in reading data from plans estimating
costs, and preparing original designs and modifications to roads, water supply, sewerage and other engineered services.

Courses: PS47, PS48 Prerequisites: CEB364, MED221 Corequisite: CEB464 Credit Points: 6 Contact Hours: 3 per week

**CEB570 WASTE MANAGEMENT**
Basic solid waste management (domestic, commercial and industrial wastes); the general principles of industrial liquid waste management, with examples of some important industries.

Courses: CE42, CE43, IF42 Corequisite: CEB371 Credit Points: 8 Contact Hours: 3 per week

**CEB575 ENVIRONMENTAL IMPACT ASSESSMENT**
Introduction to the techniques of environmental management. Environmental impact assessment and the evaluation of critical environmental problems.

Courses: CE42, CE43, IF42 Prerequisites: CEB373, CEB493, SCB246 Credit Points: 8 Contact Hours: 3 per week

**CEB701 CIVIL ENGINEERING QUANTITIES 1**
The measurement of civil engineering works based on the study of SMM of Civil Engineering Quantities. Detailed study of construction methods, plant, specification and measurement of: earthworks (clearing, excavation and dredging); roadworks (survey, bulk excavation and filling, pavement construction, kerbing, culverts); and bridges (abutments, superstructure, approach embankments, safety structures, types of bridge structures, foundations, prestressed concrete). It includes a brief introduction to computer applications such as earthwork calculations, etc.

Courses: CN31, CN33 Prerequisite: CEB341 Credit Points: 4 Contact Hours: 2 per week

**CEB901 CIVIL ENGINEERING QUANTITIES 2**
Further study of SMM for industrial engineering construction leading to the measurement of dams, earthworks, storage volumes, etc.; refinery and processing plant, pipework, vessels, tanks, instrumentation, electrical commissioning, scaffold, shut down maintenance; pipelines, environmental assessment, construction, stations; mining, plant and equipment, conveyors, processing plant, etc.; oil and gas, offshore platforms, fabrication, etc.; cost engineering and cost control on engineering projects.

Courses: CN33 Prerequisite: CEB701 Credit Points: 4 Contact Hours: 2 per week

**CEP107 CONSTRUCTION MANAGEMENT & ECONOMICS**
The management of operational features of engineering practice. Topics include engineering economics, contracts, plant and labour considerations of concern to the engineer and manager.

Courses: CE63, CE74 Credit Points: 8 Contact Hours: 2 per week

**CEP109 MUNICIPAL LAW & REGULATIONS**
The legislative framework for municipal engineering in Queensland. The various acts and regulations affecting the practising municipal engineer including powers and responsibilities are covered.

Courses: CE63, CE74 Credit Points: 8 Contact Hours: 2 per week

**CEP127 ROAD & TRAFFIC ENGINEERING**
Urban traffic management, parking systems, surveys, intersection analysis; the design and evaluation of the urban road network; design of rural roads and pavement structures; pavement management.

Courses: CE63, CE74 Credit Points: 12 Contact Hours: 3 per week

**CEP128 MUNICIPAL ENGINEERING PLANNING**
The principles of town and regional planning for municipal engineers in Queensland. The objectives and methodology of planning, practical problem solving, legislation and other factors of concern to the municipal and development engineer.

Courses: CE63, CE74 Credit Points: 12 Contact Hours: 3 per week

**CEP131 ENGINEERING MANAGEMENT & ADMINISTRATION**
Management principles and functions. Strategic and tactical planning, forecasting, decision-making. Budgeting and controls in organisations, techniques of project control. Human resources, managing change and development. Formulation of policy within a local authority. Local authority internal organisation, management, powers, responsibilities and functions, accounting and budgetary cycles, sources of finance and expenditure patterns.

Courses: CE63, CE74, IF64 Credit Points: 12 Contact Hours: 3 per week

**CEP172 WATER QUALITY ENGINEERING**
Liquid wastes and their effect on receiving waters. Dispersion and decay of pollutants in the water environment. Water quality standards and objectives.

Courses: CE63, CE74 Credit Points: 3 Contact Hours: 2 per week

**CEP174 PUBLIC HEALTH ENGINEERING PRACTICE**
Water supply network analysis, water sources, reservoirs, pumps, water hammer, sewerage systems, pump stations, corrosion, water quality, water and wastewater treatment.

Courses: CE63, CE74 Credit Points: 12 Contact Hours: 2 per week

**CEP200 PROCESS MODELLING**
Role of models in engineering design and investigation. Principles of modelling techniques and their uses, limitations and relevant applications.

Courses: CE63, CE74 Credit Points: 8 Contact Hours: 2 per week

**CEP215 ADVANCED TRAFFIC ENGINEERING**
Traffic flow theory and traffic management. Analytical and computer analysis routines for urban intersection design, their background and applications.

Courses: CE63, CE74 Credit Points: 8 Contact Hours: 2 per week

**CEP218 TRANSPORTATION ENGINEERING**
Techniques for the appraisal of rural and urban area road systems, bus operations, airport design, construction and maintenance.

Courses: CE63, CE74 Credit Points: 12 Contact Hours: 3 per week

**CEP226 ADVANCED TREATMENT PROCESSES**
The design and operation of water and wastewater treatment plants, including conventional and alternative processes. Current practice and development.

Courses: CE63, CE74 Prerequisite: CEP174 Credit Points: 8 Contact Hours: 2 per week

**CEP277 WASTE MANAGEMENT**
Characteristics and analysis of solid wastes. Collection, storage, transportation, handling, recycling and disposal. Sources and characteristics of industrial liquid wastes. Treatment design methodology. Pilot scale modelling and investigation. Case studies of selected classes of industrial wastes.
The student is required to investigate in depth reporting, contract management, human state legislation, development controls, trends in Credit Points:

**Courses:**
- CET286, CET855, CET655, MET120
- CET286, CET655, CET100

**Contact Hours:**
- 3 per week

**CEP878STRUCTURAL ENGINEERING DRAWING**

Structural engineering drawings covering basic steel work and reinforced concrete works. Reinforcing schedules together with details of steel connections.

**Course:** CET21

**Credit Points:** 7

**Contact Hours:** 3 per week

**CEP879PROJECT I**

Students undertake a substantial project in their chosen field. Involves the investigation of the topic, performance of tests, design calculations, drawings, etc., and submission of comprehensive report.

**Course:** CET21

**Prerequisites:** 72 credit points.

**Credit Points:** 7

**Contact Hours:** 3 per week

**CEP880PLANT OPERATION & MAINTENANCE**

Operation and maintenance of water quality treatment plants; scheduling, labour control, workshop organisation, safety, training, performance monitoring.

**Course:** CET21

**Prerequisite:** CET606

**Credit Points:** 7

**Contact Hours:** 3 per week

**CEP881COMPUTER AIDED DRAFTING**

Using mainframe and personal computers for civil and structural drawing presentations. Output from computer design programs as examples. Software usage and limitations, plan compilation and output.

**Course:** CET21

**Prerequisite:** CET286

**Credit Points:** 7

**Contact Hours:** 3 per week

**CEP882STRUCTURAL DRAWING & DESIGN**

Minor structural design and layout are undertaken. Preparation of advanced structural engineering drawings covering steel, reinforced and prestressed concrete, timber where geometric and physical restraints interact with the structural design process.

**Course:** CET21

**Prerequisites:** CET286, MET120

**Corequisite:** CET585, CET655, CET787

**Credit Points:** 7

**Contact Hours:** 3 per week

**CHA110LABORATORY TECHNIQUES**

Introduces safe and proficient procedures in the laboratory and gives practice in the manipulation of common laboratory apparatus, equipment and reagents. On completion the student should be able to handle, correctly
and safely, all the basic pieces of laboratory equipment and be familiar with their main functions and limitations. The program includes a formal treatment of laboratory safety and occupational health.

Course: SC15.
Credit Points: 8 Contact Hours: 3 per week

CHA140 CHEMISTRY
An integrated course of fundamental chemistry covering: the nature of chemistry; atomic, molecular, and nuclear structure; bonding and types of bonds; the structure and nature of matter; molecular formulae, atomic and molecular weights; the periodic classification; reduction/oxidation, chemical equilibria; liquids and solutions and simple phase equilibria in electrolyte solutions; pH and its measurement; carbon chemistry and functional groups; the chemistry and properties of some common laboratory chemicals. Practical applications are emphasised.

Courses: SC12, SC15
Credit Points: 8 Contact Hours: 3 per week

CHA210 ANALYTICAL CHEMISTRY
A lecture and laboratory program on the theory and techniques of both qualitative and quantitative analysis. Qualitative methods cover anion, cation, as well as simple organic functional group identifications. Titrimetric methods include neutralimetry, redoximetry, precipitation and compleximetry.

Course: SC15 Prerequisite: CHA110 or CHA111
Credit Points: 12 Contact Hours: 5 per week

CHA218 ANALYTICAL CHEMISTRY
A lecture and laboratory program on the theory and techniques of titrimetric and gravimetric analysis.

Courses: SC12 Prerequisite: CHA111 or CHA110
Credit Points: 8 Contact Hours: 3 per week

CHA219 QUALITATIVE ANALYSIS
The behaviour of a range of common cations and anions towards common laboratory reagents. These reactions form the basis of procedures for the separation and identification of these cations and anions. Qualitative testing for elements in organic molecules together with test procedures for qualitative identification of functional groups in organic molecules.

Courses: SC12 Prerequisite: CHA111 or or CHA110
Credit Points: 6 Contact Hours: 3 per week

CHA230 CHEMISTRY OF INORGANIC MATERIALS
An extension of the basic atomic and molecular theory introduced in CHA145 to include atomic orbitals, orbital shapes and quantum numbers, radioisotope breakdown and applications; bonding, molecular orbitals; hybridisation, shapes of simple molecules relating to their properties; simple coordination chemistry. The occurrence, extraction/production, properties and uses of the elements and the important inorganic compounds derived from a selection of members of the chemical groups.

Courses: SC12 Prerequisite: CHA145
Credit Points: 4 Contact Hours: 2 per week

CHA240 INSTRUMENTAL TECHNIQUES
An overview of the principles and practice of modern instrumental analysis, including the nature of electromagnetic radiation and its interaction with matter; use of visible, UV and IR spectroscopy; emission and absorption phenomena; chromatographic techniques and electroanalytical methods. Included also is a requirement for completion of a Senior First Aid Certificate.

Courses: SC12, SC15
Prerequisite: CHA110 or CHA111
Corequisite: CHA210
Credit Points: 8 Contact Hours: 4 per week

CHA250 ORGANIC CHEMISTRY
An introduction to functional group chemistry including hydrocarbons, aromatic compounds, organic halides, alcohols, phenols and ethers and also an introduction to the use of infrared spectroscopy to indicate the presence of particular functional groups.

Courses: SC12, SC15 Prerequisite: CHA140
Credit Points: 8 Contact Hours: 3 per week

CHA270 PHYSICAL CHEMISTRY
The first part of an integrated syllabus of physical chemistry; the fundamental aspects of chemical energetics, solution chemistry, equilibria; practical applications.

Courses: SC12 Prerequisite: CHA145
Credit Points: 8 Contact Hours: 3 per week

CHA271 PHYSICAL AND INORGANIC CHEMISTRY
This is the first part of an integrated syllabus of physical chemistry covering the fundamental aspects of chemical energetics, solution chemistry, equilibria; practical applications. Inorganic chemistry covers atomic theory, the electronic buildup of the elements, bonding and molecular orbitals, and general structure - property relationships for elements and compounds.

Course: SC15 Prerequisite: CHA140
Credit Points: 12 Contact Hours: 5 per week

CHA280 CONSUMER CHEMISTRY
A coverage of the chemistry of the 'consumer chemicals' in everyday use in both the home and in the work environment, including foods and food additives, detergents, pesticides, fuels and oils and other products of commercial interest.

Course: SC15 Prerequisite: CHA140
Credit Points: 8 Contact Hours: 3 per week

CHA318 INSTRUMENTAL ANALYTICAL CHEMISTRY
A course of lectures and practical work introducing the principles and practices of mass spectrometry, fluorescence spectroscopy and ICP coupled with further development of selected topics from CHA240.

Courses: SC12 Prerequisites: CHA218, CHA240
Corequisite: CHA319
Credit Points: 8 Contact Hours: 4 per week

CHA319 ANALYTICAL CHEMISTRY
Lectures and practical work are designed to develop further the basic titrimetric and gravimetric analysis principles introduced in CHA218. The program features the analysis of commercial materials with emphasis on sample dissolution techniques.

Courses: SC12 Prerequisite: CHA218
Credit Points: 6 Contact Hours: 3 per week

CHA320 CHEMICAL PROCESS PRINCIPLES
Chemical reactions both homogeneous and heterogeneous, unit operations: transport preparation and separation of materials and material and energy balances in chemical processes.

Courses: SC12 Prerequisite: CHA270
Corequisite: CHA370
Credit Points: 8 Contact Hours: 3 per week

CHA350 ORGANIC CHEMISTRY
Continues the study of functional groups and includes carboxylic compounds, carboxylic acids and their derivatives, organic nitrogen compounds, including heterocycles, as well as selected polyfunctional compounds such as triglycerides, amino acids and proteins. Further uses of infrared spectroscopy.

Courses: SC12 Prerequisite: CHA250
Credit Points: 8 Contact Hours: 3 per week
CHA368 INDUSTRIAL CHEMISTRY
The basic aspects of product and quality control, the underlying fundamental chemistry and the chemical technology involved in, for example, the petroleum and petrochemical industry, the polymer, plastics and adhesive industries, the paint industry, the textile industry, the sugar industry, water treatment plants, the glass and ceramics industry, and the cement industry. Field trips are an integral part of this unit.
Courses: SC12
Prerequisites: CHA230, CHA250, CHA320
Credit Points: 8 Contact Hours: 3 per week

CHA370 PHYSICAL CHEMISTRY 2
The second part of the integrated syllabus of physical chemistry: chemical kinetics, surface chemistry and elementary electrochemistry.
Courses: SC12
Prerequisite: CHA270
Credit Points: 6 Contact Hours: 2 per week

CHA410 COMPUTERS IN CHEMISTRY
The use of computers in various aspects of the chemical industry, both in laboratory and plant. The different approaches to laboratory automation and a detailed study of computer control in a selected industry.
Courses: SC12
Prerequisite: CSA259
Credit Points: 8 Contact Hours: 3 per week

CHA442 INTRODUCTION TO OCCUPATIONAL SAFETY
Basic first aid relevant to laboratory, plant and field situations; principles and practice of safe handling of common laboratory chemicals; safety aspects of laboratory design.
Courses: SC12
Credit Points: 4 Contact Hours: 2 per week

CHA550 ORGANIC CHEMISTRY 3
The chemistry and uses of organic compounds encountered in industry, such as agricultural chemicals, fats and oils, waxes, detergents, dyes, drugs, elastomers, fibres, adhesives and cellulose derivatives.
Courses: SC12
Prerequisite: CHA350
Credit Points: 8 Contact Hours: 3 per week

CHA610 INDUSTRIAL ANALYSIS
A course involving the use of quantitative techniques in the analysis of commercially important materials, including ores, cement, fertiliser, fats, oils and sugar products.
Courses: SC12
Prerequisites: CHA318, CHA319
Credit Points: 8 Contact Hours: 3 per week

CHA670 PHYSICAL CHEMISTRY 3
The third part of the integrated syllabus of physical chemistry: covers the areas of applied electrochemistry, corrosion, distillation and extraction. Practical applications are emphasised.
Courses: SC12
Prerequisite: CHA370
Credit Points: 8 Contact Hours: 3 per week

CHB001 INTRODUCTORY CHEMISTRY
For students without a pass in Senior Chemistry this unit combines introductory chemistry with an introduction to laboratory techniques and practice in the manipulation of common elementary laboratory apparatus, equipment and reagents.
Course: PU49
Credit Points: 12 Contact Hours: 6 per week

CHB149 PRINCIPLES OF CHEMISTRY
For students without a pass in Senior Chemistry this unit combines introductory chemistry with an introduction to laboratory techniques and practice in the manipulation of common elementary laboratory apparatus, equipment and reagents.
Course: PU49
Credit Points: 12 Contact Hours: 6 per week

CHB173 CHEMISTRY 1A
States of matter: gases, liquids, solids; kinetic theory of gases, real gases; thermodynamics: forms of energy, work and heat; thermochemistry, enthalpies of formation, combination, etc.; thermochemical calculations; entropy, force energy, spontaneity of reactions; equilibria: equilibrium constants, homogeneous and heterogeneous equilibria; ionic equilibria—acids and bases, pH, buffer solutions, acid-base titrations; kinetics: rates of chemical processes, dependence of rate on concentration, order of reaction, integrated rate equations; experimental methods: temperature dependence of rate constant; catalysis: conductance: introduction to electrochemistry; bonding theory and foundations of spectroscopy: quantum theory, classical mechanics; the dynamics of microscopic systems, Schrödinger equation, translational, rotational and vibrational motions; atomic spectra and structure, quantum numbers and orbitals, electron spin.
Course: CH132
Prerequisites: Year 12 Chemistry - Sound Achievement or CHB001
Credit Points: 12 Contact Hours: 6 per week

CHB182 CHEMISTRY 1
Chemical stoichiometry: thermochemistry; atomic structure; chemical bonding; chemical reactions; carbon compounds; states of matter; chemical equilibrium; acids and bases; ions and ionic equilibria.
Courses: ED50, SC30
Prerequisites: Year 12 Chemistry - Sound Achievement or CHB001.
Credit Points: 12 Contact Hours: 6 per week

CHB002 INTRODUCTION TO ENGINEERING CHEMISTRY
The foundations of the principles of chemistry: the basic concepts of stoichiometry; properties of the elements of the periodic table; chemical equilibria, acids and bases; offered for engineering students without sound achievement in chemistry and serves as the foundation for LHB344 and CHB346.
Courses: CE31, CE42, EE43, ME45
Credit Points: 2 Contact Hours: 1 per week

CHB003 ENGINEERING CHEMISTRY (B)
The chemistry of carbon; covalent bonding; families of organic compounds, functional groups, their properties and reactions; bio-molecules and polymers, carbohydrates, lipids, proteins, enzymes.
Course: ME46
Prerequisite: CHB002 (or exemption)
Credit Points: 4 Contact Hours: 3 per week

CHB142 CHEMISTRY 1
Atomic theory and chemical bonding. Inorganic chemistry: classification of inorganic compounds: nomenclature and chemical reactions of selected inorganic compounds; safety and material safety data sheets; equations and calculations. Chemical analysis: acidimetry and alkaliometry, indicators, redox, precipitometry, accuracy, precision. Physical chemistry: aqueous solutions and biological systems; colloids and body fluids; redox processes and their application to life science. Organic chemistry: introductory organic chemistry including the essential function of organic compounds in biological systems, concepts of frameworks and functional groups, naming organic compounds, the principal types of reactions in organic chemistry.
Courses: LS36, OP42, PU44, PU45, PU49, SC30
Credit Points: 12 Contact Hours: 6 per week

Incompatible with: CHB182
electrophilic substitution; ultraviolet spectroscopy; electronic transitions; chromophores, bathochromic and hypsochromic shifts, sampling; infrared spectroscopy; classification of vibrations, effects of: molecular association, conjugation, cumulation, a-halogen, ring and steric strain. Sampling; nuclear magnetic resonance — basic principles, classification of nuclei, the shielding constant. 1H spectra, areas and integrals, chemical shifts and coupling. Sampling.

Courses: ED50, SC30
Prerequisite: CHB282
Credit Points: 12
Contact Hours: 5 per week

**CHB353 ORGANIC CHEMISTRY 3A**
The chemistry of carboxylic acids and their functional derivatives, carbanion chemistry including aldol and Claisen condensations; optical and geometrical isomers, stereochemical formulae, the sequence rules and nomenclature, the polarimeter and specific rotation; conformation of ethane, butane, small rings, cyclohexene and substituted cyclohexanes; ultraviolet spectroscopy; infrared spectroscopy; nuclear magnetic resonance.

Course: CH32  Prerequisites: CHB183, CHB283  Credit Points: 12  Contact Hours: 5 per week

**CHB372 PHYSICAL CHEMISTRY 3**
Equilibrium electrochemistry: models of the electrified interface, absolute electrode potential, ionic absorption, electrosorption and permselective membranes, surface excess, molecular adsorption, phase rule; derivation of phase rule, applications to one component, binary, condensed and ternary systems; phase equilibria; second and third laws: free energy and chemical equilibrium ideal systems; chemical kinetics; order and molecularity of reactions, temperature effects. Reaction rate theories, complex reactions; bonding theory: orbitals and energies of the hydrogen atom; many-electron atoms, molecular orbitals; spectroscopy: interaction of radiation with matter. Principles, instrumental design and applications of rotational, vibrational and electronic spectroscopy.

Courses: ED50, SC30
Prerequisites: CHB282 or CHB283
Credit Points: 12
Contact Hours: 5 per week

**CHB373 PHYSICAL CHEMISTRY 3A**
Equilibrium electrochemistry: applied phase chemistry; applied thermodynamics; second and third laws; kinetics: complex reactions, mechanisms; spectroscopy: interaction of radiation with matter.

Course: CH32
Prerequisites: CHB282 or CHB283
Credit Points: 12
Contact Hours: 5 per week

**CHB382 CHEMISTRY 3**
Biochemical relevance of pH; instrumental analytical techniques used in the pathology laboratory; the coordination chemistry of biological systems; dyes and stains; thermodynamics and kinetics.

Course: LS36  Prerequisites: CHB142, CHB242  Credit Points: 4  Contact Hours: 2 per week

**CHB402 CHEMICALS IN SOCIETY**
An introduction to the role of chemistry and its products in our society. Historical and societal aspects are incorporated in the study of a number of relevant applications of chemistry in consumer products. Topics include: chemical hazards, drugs and medicine, water purity, food chemistry, synthetic substances and resources and the environment.

Courses: ED50 only
Prerequisites: CHB8001 or equivalent
Credit Points: 12
Contact Hours: 5 per week

**CHB411 ENVIRONMENTAL ANALYTICAL CHEMISTRY**
Lectures and practicals in the biological sciences dealing with the principles and application of sampling, and other analytical techniques. Special emphasis is given to the application of spectroscopy techniques in the analysis of environmental samples.

Courses: CHB423, CHB473  Credit Points: 12  Contact Hours: 5 per week
CHB833 INORGANIC CHEMISTRY 5
Chemistry of selected metallic species; organometallic chemistry; stereochemistry; inorganic reaction mechanisms; applications of group theory; UV-visible and near IR spectra; bioinorganic chemistry.
Courses: CH32, SC30
Credit Points: 12
Contact Hours: 5 per week

CHB635 ORGANIC CHEMISTRY 5
Principles of retrosynthetic analysis; concepts of functional group equivalence and interconversions; disconnections; syntheses, strategy and tactics, selectivity and control, protecting groups. Synthesis of the major classes of organic compounds, including natural products, by carbon-carbon bond formation. Selectivity in oxidation and reduction. Introduction to the use of computers in synthesis design. Sources of raw materials for organic chemicals preparation of synthesis ('syn') gas, chemical conversions using syn gas, reactions of alkenes and aromatic feedstocks to produce common chemicals, preparation and chemistry of polymers, the industrial preparation of selected pharmaceuticals.
Courses: CH32, SC30
Prerequisite: CHB453
Credit Points: 12
Contact Hours: 5 per week

CHB687 PHYSICAL CHEMISTRY 5
Kinetics; colloid chemistry; phase equilibria; quantum mechanics; statistical mechanics.
Courses: CH32, SC30
Prerequisite: CHB473
Credit Points: 12
Contact Hours: 5 per week

CHB603 PROJECT
A variety of chemical problems reflecting teaching, research and consultancy interest of the staff.
Courses: CH32, SC30
Prerequisites: One of CHB573, CHB553 or CHB533 and CHB513 or CHB523
Credit Points: 12
Contact Hours: 5 per week

CHB613 INSTRUMENTAL ANALYSIS 6
Instrumental analysis including the principles and practices of XRF, thermal analysis, electrolytic methods including voltammetry, anamperometry; data acquisition, methods of automated analysis, flow-based analyzers, robotics, computer networks, laboratory information management systems, chemical databases; chemometrics, optimisation techniques, multiple regressions, advanced quality assurance, inter-laboratory comparisons; computer interfacing, microprocessor controlled instruments, A-D/A converters, I/O methods including polling, interrupt techniques, direct memory access.
Courses: CH32, SC30
Prerequisite: CHB513
Credit Points: 12
Contact Hours: 5 per week

CHB623 CHEMICAL TECHNOLOGY 6
Courses: CH32, SC30
Prerequisite: CHB523
Credit Points: 12
Contact Hours: 5 per week

CHB643 APPLIED SPECTROSCOPY
Nuclear magnetic resonance spectroscopy, vibrational spectroscopy; remote spectroscopy; UV/vis and fluorescence spectrosopies.
Courses: CH32, ED50, SC30
Prerequisites: CHB372 or CHB373 and CHB352 or CHB353
Credit Points: 12
Contact Hours: 5 per week

CHB653 APPLIED BIOLOGICAL CHEMISTRY
The emerging importance of secondary plant metabolites in medicine; the biochemical pathways leading to secondary plant metabolites; mechanistic aspects of enzyme reactions and the importance of phosphate; a detailed study of a selection from the main biosynthetic pathways; structural determination and synthesis of selected secondary metabolites.
Courses: CH32, SC30
Prerequisite: CHB533
Credit Points: 12
Contact Hours: 5 per week

CHB663 ENVIRONMENTAL CHEMISTRY
Toxicology; water quality, its assessment; modelling reactions in water bodies; air quality; criteria pollutants and health effects; indoor pollutants; monitoring; dispersion of pollutants; control techniques.
Courses: CH32, ED50, SC30
Prerequisites: CHB372 or CHB373
Credit Points: 12
Contact Hours: 5 per week

CHB693 MATERIALS CHEMISTRY
Properties of materials; metals and alloys; metallic corrosion; cements, ceramics and glasses; polymers and composites.
Courses: CH32, ED50, SC30
Prerequisite: CHB473
Credit Points: 12
Contact Hours: 5 per week

CHB840 ELECTIVE STUDIES 2
Provides students with a further opportunity to undertake advanced studies on a topic of particular relevance to their research project; tailored to suit individual students but the topics studied would normally be in specific areas of physical chemistry, analytical chemistry, inorganic chemistry or organic chemistry but may be in a different area from that chosen in CHB740. A supervised reading program is involved and the unit may also include a formal lecture program. Relevant material from other accredited courses may be included as part or all of the requirements for this unit as directed by the Course Coordinator and Head of School.
Course: SC60
Credit Points: 6
Contact Hours: 2 per week

CHN701 TOPICS IN ADVANCED CHEMISTRY 2
A selection of advanced topics in the areas of physical, organic and inorganic chemistry. The topics offered reflect the expertise of the academic staff as well as the needs of the students. Both units are assessed at the end of the year.
Courses: SC60
Credit Points: 24
Contact Hours: 6 per week

CHN704 RESEARCH TECHNIQUES
Development of theoretical and laboratory skills required to enable rapid progress with the research proposed for Stage 2 of the program.
Course: SC80
Credit Points: 12

CHN710 CHEMICAL INSTRUMENTATION
Chemical instrumentation and electronics required for advanced level operation of scientific instrumentation.
Course: SC80
Credit Points: 12

CHN720 CHEMOMETRICS
The concepts of chemical data acquisition and inte-
Sound This laboratory based unit provides instruction and the principles and practices necessary for the optimum studies and Aspen bio-process simulation. procedures; multivariate analysis and optimisation and chromatographic techniques. In the case of recovery and disruption, membrane technology, operations important to the recovery of commercial topics include: fermentation processes; microbial physiology and environmental factors in processing operations; fermentation kinetics and modelling; aeration and agitation; sterile filtration; bio-reactors; and scale-up. Other topics are selected from animal cell culture, protein biotechnology, downstream processing and bio-process economics.

Courses: SC60, SC80, SC300
Credit Points: 12
Contact Hours: 5 per week

II CHP120 BIOCHEMICAL ENGINEERING
The application of biological organisms, systems and processes to productive level activities; specific areas are in fermentation, bioprocessing and enzyme technology. Topics include: fermentation processes; microbial physiology and environmental factors in processing operations; fermentation kinetics and modelling; aeration and agitation; sterile filtration; bio-reactors; and scale-up. Other topics are selected from animal cell culture, protein biotechnology, downstream processing and bio-process economics.

Courses: SC60, SC80, SC300
Credit Points: 12
Contact Hours: 5 per week

II CHP220 PRINCIPLES OF BIOPROCESSING
The principles and practices necessary for the optimum and safe production of biogicals and biological chemicals (e.g. organic chemicals, pharmaceuticals, proteins, etc.) derived from biological systems. An emphasis is placed on utilising recombinant organisms (microbial, plant, animal and insect cells). Such systems create special technical problems and challenges in bioprocessing and these are examined at the productive (fermentation and induction) and bioseparations levels in an integrated way. Where appropriate, such bioprocess analyses consider possible alternatives on a cost-effectiveness basis.

Course: LS70
Credit Points: 12
Contact Hours: 4 per week

II CHP320 DOWNSTREAM PROCESSING
Introduction to the fundamental problems of separation operations important to the recovery of commercial products from biological processes. Topics include: cell recovery and disruption, membrane technology, chromatographic techniques, electro-chemical separation and new bio-separation techniques. Instruction includes case studies and Aspen bio-process simulation.

Course: LS70
Credit Points: 12
Contact Hours: 5 per week

II CHP420 BIOPROCESS ENGINEERING LABORATORY
This laboratory based unit provides instruction and training of bioprocess operations through experimental work linked to explanatory tutorials. Experiments focus on fermentation operations utilising microbial, plant, animal and insect cells (e.g. cell kinetics, product formation, mass transfer problems), applied enzymology, and bioseparations (cell disruption and separation, membrane and chromatographic techniques). In the case of recombinant organisms an integrated approach is taken for fermentation, protein induction, and bioseparation.

There is the opportunity for either a small project or a process plant design.

Course: LS70
Credit Points: 12
Contact Hours: 4 per week

II CHP691 ENVIRONMENTAL CHEMISTRY
The nature and composition of natural and polluted waters; metal ions, gases, redox equilibria complexation and microbial transformation of chemicals in water; water pollution and trace-level substances in water. Environmental chemistry of soils; acid-base equilibria and ion-exchange; chemicals in soil. The nature and composition of the atmosphere; chemical and photochemical reactions in the atmosphere; the oxides of carbon, sulphur.

Courses: CE63, CE74
Prerequisites: Year 12 Chemistry - Sound Achievement or CHP001.
Credit Points: 8
Contact Hours: 5 per week

II CHP920 TECHNOLOGY ASSESSMENT & FORECASTING
Technology assessment processes and strategies; comprising of: problem definition; technology analysis; societal, economic, and environmental description and impact analysis; legal and regulatory requirements and consequences and policy implications and analysis. Technological forecasting, substitution and change. This includes the use of quantitative planning models, optimisation techniques and simulation methods; scenario portrayal; case study analysis.

Course: IS04
Credit Points: 12
Contact Hours: 3 per week

II CH5200 CHEMISTRY
Introduction to general and organic chemistry; atoms, molecules, ions; chemical bonding; chemical reactions and equations; solution chemistry; acids, bases and chemical equilibrium; gases; electrochemistry and nuclear chemistry; basic chemistry of organic compounds, aliphatic and aromatic.

Course: BN10
Credit Points: 6
Contact Hours: 3 per week

II CNB001 PROFESSIONAL PRACTICE 1A
The wide range of experiences and responsibilities will provide for the student a greater understanding of the material they are exposed to in the course. It is not possible to detail for each semester the experience required due to the varied employment opportunities available to quantity surveyors in the professional offices and in the construction industry. Approved employment could be with a professional quantity surveying firm. Approved employment could be with a building/civil engineering contractor, property developer, building or project management consultant, public authorities or major corporate bodies.

Course: CN43
Prerequisites: In final 3 part-time years
Credit Points: 9
Contact Hours: 3 per week

II CNB002 PROFESSIONAL PRACTICE 2A
The wide range of experiences and responsibilities will provide for the student a greater understanding of the material they are exposed to in the course. It is not possible to detail for each semester the experience required due to the varied employment opportunities available to quantity surveyors in the professional offices and in the construction industry. Approved employment could be with a professional quantity surveying firm. Approved employment could be with a building/civil engineering contractor, property developer, building or project management consultant, public authorities or major corporate bodies.

Course: CN43
Prerequisites: In final 3 part-time years
Credit Points: 9 Contact Hours: 3 per week

II CNB003 PROFESSIONAL PRACTICE 1A
The wide range of experiences and responsibilities whilst in approved employment will provide for the student a greater understanding of the material they are exposed to in the course. It is not possible to detail for each semester the experience required due to the varied employment opportunities in the construction industry. Approved employment would be with a building/civil engineering contractor; property developer; building and project management consultant; contracting sub-contractor or supplier; building research; tertiary education; local, state and federal government control and supervisory positions; corporate bodies involved in property maintenance and management.
Course: CN141 Prerequisites: In final 3 part-time years
Credit Points: 9 Contact Hours: 3 per week

II CNB004 PROFESSIONAL PRACTICE 2A
The wide range of experiences and responsibilities whilst in approved employment will provide for the student a greater understanding of the material they are exposed to in the course. It is not possible to detail for each semester the experience required due to the varied employment opportunities in the construction industry. Approved employment would be with a building/civil engineering contractor; property developer; building and project management consultant; contracting sub-contractor or supplier; building research; tertiary education; local, state and federal government control and supervisory positions; corporate bodies involved in property maintenance and management.
Course: CN141 Prerequisites: In final 3 part-time years
Credit Points: 9 Contact Hours: 3 per week

II CNB006 MEASUREMENT OF CONSTRUCTION 1
Introduction to quantity surveying including the work of the quantity surveyor and his/her relationship with other members of the building industry. A study of measurement and formulae involved in the calculation of length, area and volume. Detailed study and instruction in the process and methods of taking off and billing of quantities in the trades of excavator, concreter, bricklayer and blocklayer, and carpenter.
Courses: CN31, CN33 Prerequisite: CNB005
Credit Points: 6 Contact Hours: 3 per week

II CNB006 MEASUREMENT OF CONSTRUCTION 2
The process and methods of taking off and billing quantities for the trades of excavator, concreter, bricklayer and blocklayer, and carpenter.
Courses: CN31, CN33 Prerequisite: CNB005
Credit Points: 6 Contact Hours: 3 per week

II CNB009 MEASUREMENT OF CONSTRUCTION 3
Detailed study and instruction in the process and methods of taking off and billing quantities in more complex building solutions for the trades of excavator, concreter, bricklayer and blocklayer, underpinning, pier and beam RC frame and suspended slabs.
Courses: CN31, CN33 Prerequisites: CNB006, CNB254
Credit Points: 4 Contact Hours: 2 per week

II CNB10 MEASUREMENT OF CONSTRUCTION 4
Detailed study and instruction in the process and methods of taking off and billing quantities for the trades of asphalt and build up roofing, demolisher, mason, structural steel and precast concrete.
Courses: CN31, CN33 Prerequisite: CNB009
Credit Points: 4 Contact Hours: 2 per week

II CNB013 BUILDING SERVICES 1 HVAC
Minimum standards of ventilation, centrifugal and axial flow fan applications; ductwork, accessories, layout, construction and installation; requirements for human comfort in air-conditioning; the ASHRAE Comfort Chart; refrigeration; air-conditioning systems, composition, cost, application, construction and installation; heating, fuel types, efficiency, capital and annual costs; effect of building ordinances.
Courses: CN31, CN33, PU42 Corequisite: CNB253
Credit Points: 4 Contact Hours: 2 per week

II CNB014 BUILDING SERVICES 2 ELECTRICAL
Electricity supply and distribution; high and low tension supply; measuring current, cut-outs, intake and distribution; internal distribution; large supply installation, sub-station; fuse and switch gear; wiring systems and circuits; conduit and cables; joint boxes. Multi-box switching; heading circuits; earth connections, protection of conduit, conductor and accessories against mechanical damage, weather dampness, fire, electric shock; fibre optic cables in building supervisory systems; assessment of maximum demand and voltage drop; earth tests; tools and handling equipment, fastenings and supports; measurement, control and lighting equipment; accessibility and protection; domestic, industrial and commercial appliances; testing and fault locating.
Courses: CN31, CN33 Prerequisite: CNB253
Corequisite: CNB254
Credit Points: 4 Contact Hours: 2 per week

II CNB021 PROFESSIONAL PRACTICE 1
The wide range of experiences and responsibilities whilst in approved employment will provide for the student a greater understanding of the material they are exposed to in the course. It is not possible to detail for each semester the experience required due to the varied employment opportunities in the construction industry. Approved employment would be with a building/civil engineering contractor; property developer; building and project management consultant; contracting sub-contractor or supplier; building research; tertiary education; local, state and federal government control and supervisory positions; corporate bodies involved in property maintenance and management.
Course: CN141 Prerequisites: In final 3 part-time years
Credit Points: 9 Contact Hours: 2 per week

II CNB021 PROFESSIONAL PRACTICE 2
The wide range of experiences and responsibilities whilst in approved employment will provide for the student a greater understanding of the material they are exposed to in the course. It is not possible to detail for each semester the experience required due to the varied employment opportunities in the construction industry. Approved employment would be with a building/civil engineering contractor; property developer; building and project management consultant; contracting sub-contractor or supplier; building research; tertiary education; local, state and federal government control and supervisory positions; corporate bodies involved in property maintenance and management.
Course: CN141 Prerequisites: In final 3 part-time years
Credit Points: 9 Contact Hours: 2 per week

II CNB022 PROFESSIONAL PRACTICE 2
The wide range of experiences and responsibilities whilst in approved employment will provide for the student a greater understanding of the material they are exposed to in the course. It is not possible to detail for each semester the experience required due to the varied employment opportunities in the construction industry. Approved employment would be with a building/civil engineering contractor; property developer; building and project management consultant; contracting sub-contractor or supplier; building research; tertiary education; local, state and federal government control and supervisory positions; corporate bodies involved in property maintenance and management.
Course: CN141 Prerequisites: In final 3 part-time years
Credit Points: 9 Contact Hours: 2 per week
■ CNB032 PROFESSIONAL PRACTICE 3
The wide range of experiences and responsibilities whilst in approved employment will provide for the student a greater understanding of the material they are exposed to in the course. It is not possible to detail for each semester the experience required due to the varied employment opportunities in the construction industry. Approved employment would be with a building/civil engineering contractor; property developer; building and project management consultant; contracting sub-contractor or supplier; building research; tertiary education; local, state and federal government control and supervisory positions; corporate bodies involved in property maintenance and management.
Course: CN41 Prerequisites: In final 3 part-time years Credit Points: CNB021: 12; CNB022: 12; CNB023: 9; CNB024: 9 Contact Hours: 3 per week

■ CNB024 PROFESSIONAL PRACTICE 4
The wide range of experiences and responsibilities whilst in approved employment will provide for the student a greater understanding of the material they are exposed to in the course. It is not possible to detail for each semester the experience required due to the varied employment opportunities in the construction industry. Approved employment would be with a building/civil engineering contractor; property developer; building and project management consultant; contracting sub-contractor or supplier; building research; tertiary education; local, state and federal government control and supervisory positions; corporate bodies involved in property maintenance and management.
Course: CN41 Prerequisites: In final 3 part-time years Credit Points: CNB021: 12; CNB022: 12; CNB023: 9; CNB024: 9 Contact Hours: 3 per week

■ CNB031 PROFESSIONAL PRACTICE 1
The wide range of experiences and responsibilities will provide for the student a greater understanding of the material they are exposed to in the course. It is not possible to detail for each semester the experience required due to the varied employment opportunities available to quantity surveyors in the professional offices and in the construction industry. Approved employment could be with a professional quantity surveying firm. Approved experience with other employers must be under the supervision of a qualified quantity surveyor. This could be with a building/civil engineering contractor; property developer, building or project management consultant, public authorities or major corporate bodies.
Course: CN43 Prerequisites: In final 3 part-time years Credit Points: CNB031: 12; CNB032: 12; CNB033: 9; CNB034: 9 Contact Hours: 3 per week

■ CNB034 PROFESSIONAL PRACTICE 4
The wide range of experiences and responsibilities will provide for the student a greater understanding of the material they are exposed to in the course. It is not possible to detail for each semester the experience required due to the varied employment opportunities available to quantity surveyors in the professional offices and in the construction industry. Approved employment would be with a professional quantity surveying firm. Approved experience with other employers must be under the supervision of a qualified quantity surveyor. This could be with a building/civil engineering contractor; property developer, building or project management consultant, public authorities or major corporate bodies.
Course: CN43 Prerequisites: In final 3 part-time years Credit Points: CNB031: 12; CNB032: 12; CNB033: 9; CNB034: 9 Contact Hours: 3 per week

■ CNB103 MATERIAL SCIENCE 1
Properties, manufacture, use and analysis of timber, steel, concrete and clay products; investigation of their strength, density, hardness, porosity, plasticity, elasticity and deterioration; investigation and protection against corrosion and fire.
Courses: CN31, CN33 Corequisite: CNB151 Credit Points: 4 Contact Hours: 2 per week

■ CNB104 MATERIAL SCIENCE 2
Physical and chemical properties of materials and their effect on construction; environmental qualities; laboratory and field testing of bricks, mortar, brickwork, concrete, timber, steel; protection of material against corrosion and fire.
Courses: CN31, CN33 Corequisite: CNB154 Credit Points: 4 Contact Hours: 2 per week

■ CNB112 CONSTRUCTION 2
A continuation of Construction covering masonry buildings including cavity brick, brick veneer, single skin masonry block construction, external cladding and internal linings, all types of roof covering including Super 6 C.F.C., concrete and clay tiles, corrugated and steel tray roof sheetings, slates and shingles, flashings, gutters and downpipes, function and construction of timber and metal windows, doors, stairs, fireplaces, light steel framed construction and pole houses, applied rendered finishes. Environmental science, comfort situations in varying climatic zones and their effect on building construction. Draughting typical details and working drawings.
Courses: CN41, CN43 Corequisite: CNB111 Credit Points: 12 Contact Hours: 5 per week
■ CNB113 BUILDING TECHNOLOGY 1
A study of the structural materials used in construction—timber, stone, brickwork, concrete, steel and aluminium through an understanding of the basic properties of each. The bias is towards those characteristics which affect the user rather than to the needs of a designer. Particular emphasis is given to the problems which arise through the manufacturing, storage and installation processes. Significance of subject to needs of constructors; statics; bending theory for simple and continuous beams, approximate analysis methods; properties of sections; load transfer; design of simple timber and steel beams and columns for model projects; W33 framing for member sizing, tiedown and timber connection.
Courses: CN41, CN43
Corequisite: CNB111
Credit Points: 8
Contact Hours: 4 per week

■ CNB114 BUILDING TECHNOLOGY 2
The materials covered in Building Technology 1 are investigated to greater depth through theoretical study and testing. Laboratory work is conducted during the latter part of the subject to reinforce the theoretical concepts and to demonstrate testing procedures. Concepts of masonry design; design theory for reinforced concrete; design of simple concrete footings, slabs on ground, beams, columns, suspended slabs; design of ground slab for Construction subject project; concept of psc design.
Courses: CN41, CN43
Corequisite: CNB113
Credit Points: 8
Contact Hours: 4 per week

■ CNB116 MEASUREMENT 1
Introduction to Quantity Surveying including the work of a Quantity Surveyor and his/her relationship with other members of the building industry. Introduction to the methodology of "taking off", investigating the various systems with particular emphasis on the one-step method. A study of mensuration and formulae involved in the calculation of length and volume. Detailed study of 'Introduction' to SMM and detailed study and instructions in the process and methods of taking off and billing quantities in the trades finishes, roofing, doors, windows, hardware, glazing and painting.
Courses: CN41, CN43
Corequisite: CNB112
Credit Points: 6
Contact Hours: 3 per week

■ CNB118 BUILDING SERVICES 1
A study of macro services to the community including water supply, sewerage, power, gas, telephone and other public services. Requirements of headwork and reticulations. A study of sanitation, septic tanks, absorption and transpiration beds, stormwater and sewerage disposal and garbage and refuse disposal. Hydraulic engineering services associated with buildings. Water supply (including fire fighting and hot water), sewerage and sanitary plumbing with a study of relevant Acts and laws, including sizing and testing of main and gravity-fed services.
Courses: CN41, CN43
Corequisite: CNB111
Credit Points: 6
Contact Hours: 2 per week

■ CNB119 CONSTRUCTION 1
Materials, methods and construction in single and two-storey domestic structures with part of ground floor below ground level, site information and investigation, foundations including strip and beam footings and slab on ground, light timber framing code for walls, roofs and suspended floors taking into account the environmental, structural and aesthetic requirements; accounting for costs, dimensional requirements, statutory regulations, life and adaptability and manufacturing and erection requirements; instruction in various types of drawings and mapping used in offices, methods of setting out office drawings for sketch presentation, geometric, perspective and setting out office drawings and details, freehand drawing and sketching; lettering, linework, material indication use of instruments, scales and drawing materials; environmental science, comfort situations in varying climatic zones and their effect on building construction.
Courses: CN41, CN43
Prerequisite: CNB113
Credit Points: 12
Contact Hours: 6 per week

■ CNB121 PROFESSIONAL STUDIES A
Legal system and principles of property law: the institutions of the law; the courts, parliament and the judiciary; the doctrines and methodology of the law including the doctrine of precedent, interpretation of statutes and regulations; law of property—ownership and possession, estates and interests in land, easement, rights and restrictive covenants; party walls, boundary walls, fences and encroachments. Manufacturing systems: the role of manufacturing in the Australian economy; modern concepts in manufacturing systems design; the interrelationship between design, materials selection, manufacturing technologies in relation to product quantity and quality.
Courses: CN41, CN43
Corequisite: CNB119
Credit Points: 8
Contact Hours: 3 per week

■ CNB124 PROFESSIONAL STUDIES 1
The syllabus is project based and student centred, with the student undertaking major pieces of work individually within a group. The student is encouraged to make use of all sources both within and outside the university and to communicate with the community, professionals, practitioners and government officials, etc. The integrated study project work programme will provide a framework with a clear statement of aims and objectives for each part of the program. The projects suggested here for Professional Studies 1-3 relate to construction projects/processes whose emphasis progress from technology to building economics to management experience/problems. The project in the first year will draw together mainly rudimentary technology subjects, centred around cottage construction. The project will indicate how related materials from the year's subjects will be developed by student groups and individuals.
Courses: CN41, CN43
Prerequisites: ITB270, CNB117, CNB111, CNB113, CNB165
Corequisites: CNB112, CNB114, CNB116, CNB118, PSB910
Credit Points: 8
Contact Hours: 3 per week

■ CNB131 MEASUREMENT OF CONSTRUCTION IA
Subject description as for CNB005.
Courses: CN31, CN33
Prerequisite: CNB151
Credit Points: 6
Contact Hours: 3 per week

■ CNB145 STRUCTURES 1
The needs of constructors; statics; bending theory for simple and continuous beams, approximate analysis methods; properties of sections; load transfer; design of simple timber and steel beams and columns for model projects; W33 framing manual for member sizing, tiedown and timber connection.
Courses: CN31, CN33
Corequisite: CNB151
Credit Points: 4
Contact Hours: 2 per week

■ CNB146 STRUCTURES 2
Concepts of masonry design; design theory for reinforced concrete; design of simple concrete footings, slabs of ground, beams, columns, suspended slabs; design of slab for Construction 3 project; concept of PSC design; design of simple steel connections.
Courses: CN31, CN33  
Corequisite: CNB154  
Credit Points: 4  
Contact Hours: 2 per week

- **CNB151 CONSTRUCTION 1**
  Materials, methods and construction in single and two-storey domestic structures, site information and investigation, foundations, columns, upper floors, external and internal walls, finishes, etc. Environmental, structural and aesthetic requirements accounting for costs, dimensional requirements, statutory regulations, life and adaptability and manufacturing and erection requirements; draughting typical details and working drawings; environmental science, comfort situations in varying climatic zones and their effects.
  Courses: CN31, CN33  
Corequisites: CNB103, CNB145  
Credit Points: 12  
Contact Hours: 6 per week

- **CNB154 CONSTRUCTION 2**
  Continuation of CNB151 properties of materials, and behaviour in manufacturing and construction, effect on form and structure; workshop and studio working details of building components, coordination of building elements.
  Courses: CN31, CN33  
Corequisite: CNB151  
Credit Points: 14  
Contact Hours: 7 per week

- **CNB161 BUILDING STUDIES 1**
  The uses of materials and construction in single and two-storey domestic structures, site information, substructure, columns, upper floors, external and internal walls, finishes, etc. Environmental, structural, aesthetic, cost, statutory, dimensional, manufacturing and erection requirements. Factors in creating comfort situations in various climatic zones and their effect on building construction. Draughting: preparation of typical details and working drawings. Physical and chemical properties of materials such as timber, steel, concrete and clay products and how they affect their construction and structural qualities.
  Course: CN32  
Credit Points: 14  
Contact Hours: 5.5 per week

- **CNB162 BUILDING STUDIES 2**
  The uses of materials and construction in single and two-storey domestic structures under the elements: staircase, roof, internal and external walls, windows, doors, finishes; fireplaces. Environmental, structural and aesthetic requirements, taking account of constraints such as costs, dimensional requirements, statutory regulations, life and adaptability and manufacturing and erection requirements. Drafting: preparation of construction details and drawings.
  Courses: CN31, CN33  
Prerequisite: CNB161  
Credit Points: 9  
Contact Hours: 3.5 per week

- **CNB166 URBAN ECONOMICS**
  Economic processes and spatial context of the city: differentiating competing land use; location decisions in the urban market; intra-urban location; market failures, externalities and government involvement; transport in the urban environment, urban management; urban issues. Economics of the Australian construction industry.
  Course: CN32  
Credit Points: 4  
Contact Hours: 2 per week

- **CNB171 CONSTRUCTION 1**
  Materials, methods and construction in single and two-storey domestic structures, site information and investigation, foundations, columns, upper floors, external and internal walls, finishes, etc. Environmental structural and aesthetic requirements accounting for costs, dimensional requirements, statutory regulations, life and adaptability, manufacturing and erection requirements; draughting typical details and working drawings; environmental science, comfort situations in varying climatic zones and their effects.
  Course: PU42  
Credit Points: 12  
Contact Hours: 6 per week

- **CNB172 CONSTRUCTION 2**
  Continuation of CNB171. The properties of materials and how they behave in the manufacturing and construction process and how these considerations relate to form and structure. It includes a studio and practical back-up to the lecture program. Students are required to prepare working details of building components, coordination of building elements for specific building projects.
  Course: PU42  
Prerequisite: CNB171  
Credit Points: 8  
Contact Hours: 4 per week

- **CNB211 CONSTRUCTION 3**
  Study of materials, methods and construction of low-rise residential, commercial and industrial projects, including equipment handling and site management requirements. Such structures to be examined with regard to the environmental, structural and aesthetic requirements taking account of constraints such as costs, dimensional requirements, statutory regulations, life, adaptability, manufacturing and erection requirements. Low-rise commercial: structural elements including foundations, retaining walls, load-bearing masonry construction, reinforced concrete suspended slabs, and walls; structural steel roof trusses, etc., parapets, balconies and balustrades. Sheet metal and built-up roofing, rainwater goods. Fire and sound resistant materials, components and construction. Suspended, fire and spray finish ceilings. Fittings and built-in furniture, etc. Light industrial: Raft, pier and pile foundations and earthworks, including equipment. Structural steel systems including portal frames, girders, trusses, etc. Roof lights. Sheet external wall cladding. Industrial horizontal, vertical, sliding, folding and roller shutter doors. Special door finishes. Handling equipment. Formwork design: objectives in building formwork, understanding quality, safety and control. Formwork planning, reuse, erecting and stripping schedules. Types of facing materials, and fasteners. Loads and pressures on forms and use of design tables. Formwork drawing, detailing, building and erecting. Special techniques and prestressing/post tensioning. Proprietary formwork and falsework.
  Courses: CN41, CN43  
Prerequisites: CNB113, CNB112, CNB114, CNB119  
Corequisites: CNB215, CNB217, CNB218  
Credit Points: 12  
Contact Hours: 4 per week

- **CNB212 CONSTRUCTION 4**
  Building construction: A study of the construction techniques peculiar to multi-storeyed buildings and the implications of working on a major city site. The course covers site investigation, deep basement excavation, dewatering and construction, structural frame construction, cladding, outfitting and finishes and the significance of services on the construction process. Evolution of building: A study of civilisations from prehistoric to modern times examining systems of construction and their relationship to building techniques and economic value.
  Courses: CN41, CN43  
Credit Points: 4  
Contact Hours: 2 per week

- **CNB213 BUILDING TECHNOLOGY 3**
  A study of the non-structural materials used to enclose and decorate buildings, building boards, plaster, glass, asphalt, plastics, non-ferrous metals, concrete products and paint. The behaviour of materials in service will be
examined which includes the effect of ageing, incompatibility, repair and cleaning techniques, and the effects of fire on structural materials. Implications of maintenance and quality inspection. Portal behaviour; design of simple steel connections, plastic versus elastic design; structural bracing; truss analysis; stability of structures during construction; stability of columns; stability of multi-storey buildings; loading and design of simple retaining structures. Concrete practice wind load conditions on high rise structures. Multi-rise framed structures.

Courses: CN41, CN43
Prerequisites: CNB113, CNB114
Corequisite: CNB211
Credit Points: 6
Contact Hours: 4 per week

■ CNB215 MEASUREMENT 2

Detailed study and instruction in the process and methods of taking off and billing quantities in the SMM trades, groundworks 4.1 to 4.3, concrete 6.1 to 6.4, brickwork, partitioning for simple buildings having a single storey having both suspended and slab on ground constructions.

Courses: CN41, CN43
Prerequisites: CNB116, CNB112, CNB119
Corequisite: CNB211
Credit Points: 6
Contact Hours: 3 per week

■ CNB216 MEASUREMENT 3

Detailed study and instruction in the process and methods of taking off and billing quantities in the SMM trades, groundworks 4.4, piling 5.2.2, concrete 6.1 to 6.8, structural steel, suspended ceilings, membrane and asphalt roofing, demolition, stonework in multi-storey buildings having minor basements, underpinning and reinforced concrete and steel frames with built-up roofing systems.

Courses: CN41, CN43
Prerequisite: CNB215
Corequisite: CNB212
Credit Points: 6
Contact Hours: 3 per week

■ CNB217 BUILDING SERVICES 2

Minimum standards of ventilation, centrifugal and axial flow fan applications; ductwork-accessories, layout, construction and installation; requirements for human comfort in air conditioning; the ASHRAE Comfort Chart; principles of refrigeration; air-conditioning systems, composition, cost, application, construction and installation; heating, fuel types, efficiency, capital and annual costs; effect of building ordinances. Mechanical estimating: types, tenders, preliminaries, trade awards and wage rates. Take off procedure, costing and estimating make-up calculations. System costs in relation to building floor area, operating and maintenance costs, builder’s allowance for each system.

Courses: CN41, CN43
Corequisite: CNB211
Credit Points: 6
Contact Hours: 3 per week

■ CNB218 BUILDING SERVICES 3

Electrical terminology and formula, three-phase concept. Supply Authority Distribution System, line diagrams, high voltage transfer, transformers, load profile, Authority Requirement, Light and Power Acts. Tariffs and metering, energy management, electrical safety. SAA Wiring Rules, maximum demand, diversity, tables, cable sizing and voltage drop, points per circuit, fault levels, fuses, breakers and switchboards. Wiring types, bushbars, wiring systems, space required, computer and data systems, fibre optics, accessories. Security, computer power supplies. Lighting, types, design methods, emergency and evacuation systems. Building Supervisory System, supplementation, hardware, software. Electrical plans, specifications, symbols, CAD, Lighting Protection System. Contractor licensing, testing, tools and appliances. Energy management, solar energy, ice storage, control systems and energy audits. Electrical estimating: types, tenders, preliminaries, trade award and wage rates. Take off procedure, costing and estimating make-up calculations. System costs in relation to building floor area, operating and maintenance cost, builder’s allowance for each system.

Courses: CN41, CN43
Prerequisites: CNB118, CNB211
Corequisite: CNB212
Credit Points: 6
Contact Hours: 3 per week

■ CNB219 ECONOMICS OF THE CONSTRUCTION INDUSTRY

The economic problems, wants, resources, scarcity, choice; economic systems, features of the macroeconomy; supply and demand characteristics; goods market, factor markets, competitive market structures, business concentration; operations of the construction industry, nature of output; nature of firms, revenue analysis via pricing mechanisms, sales forecasting; production function; break even analysis; business cycle and fluctuations in the construction industry, failure of construction firms; government stabilisation policies and effect on the construction industry; structure change in the Australian and world economies.

Courses: CN41, CN43
Credit Points: 6
Contact Hours: 2 per week

■ CNB220 CONSTRUCTION MANAGEMENT

Industry participants and their roles. Basic management principles: planning, leading, organising and controlling. Forms of project delivery, reviewing contract documentation. Site management skills including site organisational structure, site controls, site communications, reporting, project engineering and negotiation skills as applied to subcontractors and suppliers, commissioning and handing over the site. Company marketing and negotiating skills. An analysis of project design and construction technique on project buildability and their effect on site management and organisation. Stress management techniques.

Courses: CN41, CN43
Prerequisites: CNB121, CNB219
Corequisite: CNB212
Credit Points: 6
Contact Hours: 2 per week

■ CNB221 BUILDING LEGISLATION

Passing and resolving Acts, regulations and by-laws; knowledgeable site representatives; study of Building Code of Australia, Queensland Home Building Code and Standard Building By-Laws which control the design, construction of building works in Queensland; emphasis on Building Codes in the by-laws; a study of the Acts Interpretation Act, and Town Planning Acts. The study of the Workplace Health and Safety Act 1989/90, the regulations that apply and codes of practice. The application of the requirements of this legislation to the production of a Site Safety Management Plan incorporating a systems approach to minimising exposure of the individual or company to prosecution. Practical demonstrations in good scaffolding practice. Case studies in addressing safety on building sites.

Courses: CN41, CN43
Corequisite: CNB211
Credit Points: 6
Contact Hours: 2 per week

■ CNB222 ESTIMATING 1

A study of the techniques used in the preparation of detailed estimates of cost for simple structures covering the trades of concrete, carpenter, joiner, bricklayer, plumber, drainer, tiler, plasterer and painter. The industrial overheads applicable to labour are discussed and labour costs are calculated from current awards. The subject draws heavily on the student’s knowledge of...
The project in the second year will draw together more Standard Building by-laws which control the design, siso on building codes in the by-laws; spreadsheet and data base software packages. Applied CNB222, Corequisites: CNB221, CNB223
Credit Points: 6 Contact Hours: 2 per week

■ CNB223 APPLIED COMPUTING 1
A further study of the computer software programs which can be used in the construction and property development processes. Designed to coordinate the practical aspects of the lecture material presented each semester so that students both develop essential practical skills and benefit from cross-fertilisation of the individual subjects. The programs used include spreadsheet and data base software packages. Applied material is drawn from statistics, quantitative operation research methods, and other current subject matter in years 1 and 2 of the course. Courses: CN41, CN43 Prerequisite: ITB270 Credit Points: 6 Contact Hours: 2 per week

■ CNB224 PROFESSIONAL STUDIES 2
The project in the second year will draw together more advanced but mainly technology-type subjects. Added breadth is provided with measurement, estimating, building law and management subjects. The project will be a medium high rise residential or commercial project (10 storeys) situated in a commercial zone close to the inner city. Courses: CN41, CN43 Prerequisites: CNB124, CNB211, CNB212, CNB213, CNB215, CNB217, CNB223 Corequisites: CNB212, CNB216, CNB218, CNB220, CNB222, CNB226 Credit Points: 9 Contact Hours: 3 per week

■ CNB226 TORTS AND CONTRACT LAW
Law of tort - negligence, professional negligence, duty of care, liability, occupier liabilities; nuisance, fraud and conversion; basic principles, elements, formation and discharge of a contract. Elements of contract, offer, acceptance, certainty and consideration, content of a valid contract, misrepresentation, collateral contract, implied terms; formal requirements and part performance; contract documents and their interpretations remedies for breach of contract; recovery of payment of work done, concept of entire contract substantial performances and quantum meruit. Courses: CN41, CN43 Prerequisite: CNB121, CNB211 Corequisite: CNB220 Credit Points: 6 Contact Hours: 3 per week

■ CNB243 LAW 1 BUILDING ACTS & REGULATIONS
Passing and resolving Acts, regulations and by-laws; knowledgeable site representatives; study of building code of Australia, Queensland Home Building Code and Standard Building by-laws which control the design, construction and building works in Queensland; emphasis on building codes in the by-laws; a study of the Health Act, Factories and Shops Act, Liquor Act, Acts Interpretation Act, Fire Safety Act and Town Planning acts. Courses: CN31, CN33 Corequisite: CNB254 Credit Points: 5 Contact Hours: 2 per week

■ CNB245 MEASUREMENT OF CONSTRUCTION 1B
Methods of taking off and billing quantities in the trades of excavator, concretor, bricklayer, blocklayer and carpenter for simple building. Courses: CN31, CN33 Prerequisites: CNB131, CNB151, CNB154 Corequisite: CNB235 Credit Points: 6 Contact Hours: 3 per week

■ CNB246 MEASUREMENT OF CONSTRUCTION 2B
Methods of taking off and billing quantities in more complex building in the trades of excavator, concretor, bricklayer, blocklayer in simple basement, underpinning, pier and beam, RC frame and suspended slab; taking off and billing in the trades of asphalther, built-up roofing, demolisher, mason, structural steel and precast concrete. Courses: CN31, CN33 Prerequisites: CNB146, CNB245, CNB253 Corequisite: CNB254 Credit Points: 8 Contact Hours: 4 per week

■ CNB247 MATERIAL SCIENCE 3
Atomic structure and bonding and its effects on a material's engineering property: elementary metallurgy of iron and steel; non-ferrous metals and alloys; joining of metals, fatigue, creep, brittle and ductile fracture, corrosion and protection; properties, manufacture, use and analysis of fibrous cement, wood products, ceramics, polymers, paints, sealants and mastic products; investigation into the material's strength, density, hardness, porosity, plasticity, elasticity, deterioration, optical, electrical, thermal and acoustic properties. Courses: CN31, CN33 Prerequisites: CNB103, CNB104 Corequisite: CNB253 Credit Points: 4 Contact Hours: 2 per week

■ CNB253 CONSTRUCTION 3
Study of industrial and multi-storey residential buildings; management, planning, and coordination of construction, site layout, site establishment and material handling processes; draughting and detailed drawings, site visits and/or workshop. Courses: CN31, CN33 Prerequisites: CNB103, CNB104, CNB154 Corequisites: CNB247, CNB259 Credit Points: 10 Contact Hours: 5 per week

■ CNB254 CONSTRUCTION 4
An extension of CNB253 dealing with multi-storey commercial buildings. Courses: CN31, CN33 Prerequisite: CNB253 Credit Points: 12 Contact Hours: 6 per week

■ CNB259 STRUCTURES 3
Portal behaviour; plastic versus elastic design; structural bracing; truss analysis; stability of structures during construction; stability of cranes, loads in lifting systems; unbalanced loads during construction; stability of marine equipment; stability of multi-storeyed buildings; loading and design of simple retaining structures. Courses: CN31, CN33 Prerequisites: CNB103, CNB104, CNB145, CNB146 Corequisite: CNB253 Credit Points: 4 Contact Hours: 2 per week

■ CNB261 BUILDING STUDIES 3
The materials and construction of a range of structures from industrial single or multi-storey residential buildings: structure, columns and upper floors, staircases, roof, external and internal walls, windows and doors, finishes, fire protection and fittings. Environmental, structural, aesthetic, cost, statutory, dimensional, manufacturing and erection requirements. Drafting; preparation of typical details and working drawings. Material science: a study of the non-structure materials such as building boards, ceramics, glass, plastics, paint from the manufacturing process through to the effects of ageing and problems of cleaning, repair and maintenance. Courses: CN32 Prerequisite: CNB162 Credit Points: 9 Contact Hours: 3 per week
■ CNB262 BUILDING STUDIES 4
An extension of CNB261 dealing with multi-storey commercial buildings. It also looks at design appraisal: effect of design on user comfort, safety, energy usage, orientation, materials, layout, services, ageing and aesthetic composition.
Course: CN32
Credit Points: 8
Contact Hours: 3 per week

■ CNB263 VALUATION 1
Credit Points: 7
Contact Hours: 3 per week

■ CNB265 BUILDING METHODS
Credit Points: 7
Contact Hours: 3 per week

■ CNB266 VALUATION 2
See CNB263.
Course: CN32
Credit Points: 8
Contact Hours: 3 per week

■ CNB301 PM1 ADVANCED CONSTRUCTION METHODS
Construction and site management problems encountered by a project manager; case studies having unusual construction problems or techniques; site planning and organisation of projects; material handling and site equipment selection.
Courses: CN31, CN33
Prerequisites: CNB341, CNB254
Corequisite: CNB440
Credit Points: 4
Contact Hours: 2 per week

■ CNB304 CONSTRUCTION BUSINESS
Civil engineering construction (building): A study of those aspects of civil engineering construction which impinge on building and land development. The emphasis is placed on an understanding of the efficiency of competing methods including plant selection rather than on a quantified solution. The areas covered are bulk excavation, detailed excavation, dewatering, foundations, pipelines, tunnels, roadworks, bridges and marine structures. Basic weather prediction and the organisation of work in remote locations. Building services – lifts, acoustics, etc. Transportation of people and goods, passenger, goods and service lifts, planning disposition, control systems and construction; regulatory requirements, approximate traffic calculations; escalators and moving walks, use, widths and ratings, regulatory requirements and construction; planning of lift contracts and sprinklers, detectors, alarms, extinguishers; communication systems; intrusion alarm systems. Building acoustics: external noise propagation, calculations and control for complex source/environment integration. Extern al noise control by insertion, absorption and transmission loss. The management of noise in the built environment.
Courses: CN41, CN43
Prerequisites: CNB212
Credit Points: 9
Contact Hours: 5 per week

■ CNB310 MEASUREMENT 4
Detail ed study and instruction in the process and methods of taking off and billing quantities in: The SMM trade ground works 4.4 and 4.5, piling, concrete 6.5 and 6.7 for the more complex basements and foundation stabilisation systems as encountered in inner city projects and innovative structural systems for columns, floors and walls. Hydraulics and drainage, electrical and mechanical installations, external elements.
Course: CN43
Prerequisites: CNB212, CNB311, CNB118, CNB216, CNB217, CNB218
Credit Points: 9
Contact Hours: 4 per week

■ CNB312 TIME MANAGEMENT 1
The subject is designed to develop skills in construction planning and control techniques. The planning techniques studied include bar charts, critical path networks, (arrow, precedence and time scale formats). Updating, control and reporting techniques. Line of balance planning method.
Courses: CN41, CN43
Prerequisites: CNB212, CNB216, CNB214, CNB220
Corequisite: CNB323
Credit Points: 9
Contact Hours: 4 per week

■ CNB313 CONTRACT ADMINISTRATION 1
Contractual arrangements and delivery systems. Contract planning and control. Reporting and control systems, contract documentation. Risk allocation and planning to avoid disputes. End cost budgeting, forecasting and control techniques.
Course: CN43
Prerequisites: CNB323, CNB319, CNB327, CNB313, CNB214, CNB315, CNB321
Credit Points: 6
Contact Hours: 3 per week

■ CNB315 CONSTRUCTION BUSINESS MANAGEMENT
Courses: CN41, CN43
Prerequisites: CNB220
Credit Points: 6
Contact Hours: 3 per week

■ CNB316 VALUATIONS & INVESTMENT THEORY
Nature of value; effect of supply and demand of land and buildings; investment values and occupational values; types of landed property, incidents of their tenure, outgoings and comparison with other forms of investment; rates of interest required from different types of property; calculating rental value and net income and capitalisation of net income; use of valuation tables; capital investment theory of NPV and IRR choice of discount rates, uncertainty and decision theory and financial cashflows.
Courses: CN41, CN43
Prerequisites: 2nd half of course
Credit Points: 6
Contact Hours: 3 per week

■ CNB317 CONSTRUCTION MANAGEMENT 2
Control and control systems, cost planning, cost reporting and forecasting, administration of the financial requirements of the head contract, preparation of cash flows. Purchasing (including tender preparation and the letting of subcontracts, placing of orders and subsequent administration of both), Project liquidity, working capital and turnover and general site administration. Insurances. Finalising subcontracts, archiving and final accounts. Overview of standard contracts and administration of variations, delays, time extensions and prolongation costs, progress claims etc. Contract drafting for sub and main contracts including contract specification. Principles and application of rise and fall.
Courses: CN41, CN43
Prerequisites: CNB220, CNB214
The third-year project will deal mainly with Building Economics subjects. The project will be a low rise commercial building in the inner city area. The students will be provided with preliminary and working drawings and specification.

Course: CNB318 COMMERCIAL LAW

Courses: CN41, CN43
Credit Points: 6  Contact Hours: 3 per week

Course: CNB319 PROFESSIONAL MANAGEMENT
The concepts of specifications complementing architectural documents; definitions, objectives of a specification; specification as a contract and working document; reference material and specification writing; use of master specifications; material pricing; performance specification writing; and preparation of specified bills of quantities. Introduction to computer specification software. Scale of fees and professional charges; code of ethics; letters of engagement; law involving the quantity surveyor and the client; professional indemnity; professional image and status; office management and procedures.

Course: CN43
Prerequisites: CNB212, CNB213, CNB223, CNB214
Corequisite: CNB321
Credit Points: 6  Contact Hours: 3 per week

Course: CNB320 BUILDING ECONOMICS 2
Case studies covering the following fully worked examples: tax depreciation schedule on an office and a hotel; value engineering; study of office development; replacement insurance valuation both on office and retail development; elemental analysis of a number of commercial developments. Hands on experience, by students to use related computer software to calculate the above studies and analyses.

Course: CN43
Prerequisite: CNB327
Credit Points: 6

Course: CNB322 CONSTRUCTION MANAGEMENT CASE STUDY
The students undertake client negotiations, sub-contractor negotiations, technical decisions, administration of contracts, report writing and the resolution of disputes.

Course: CN41
Corequisite: CNB311
Credit Points: 6  Contact Hours: 3 per week

Course: CNB323 ESTIMATING 2
The subject builds on the procedures covered in CNB222, Estimating 1 to assess the cost of more complex work and to introduce more advanced methods of pricing. The work includes deep basement excavation, foundations, concrete framing, suspended floors, steel erection, postcast and prestressed concrete erection. Later lectures cover the preliminary items and the development of a tender submission from the base estimate. The problems of obtaining and assessing subcontract prices and the evaluation of variations are discussed, together with the consequences of unbalanced rates. The subject concludes with an introduction to the methods used to produce preliminary estimates from concepts and early designs. Demonstration of computer estimating software.

Courses: CN41, CN43
Prerequisites: CNB216, CNB212, CNB222
Credit Points: 6  Contact Hours: 3 per week

Course: CNB324 PROFESSIONAL STUDIES 3A
The third-year project will deal mainly with Building Economics subjects. The project will be a low rise commercial building in the inner city area. The students will be provided with preliminary and working drawings and specification.

Course: CN318 COMMERCIAL LAW

Courses: CN41, CN43
Credit Points: 6  Contact Hours: 3 per week

Course: CNB325 BUILDING ECONOMICS
History and need for cost control, comparisons between cost planning and approximate estimating. NPWC cost control system. Effects of height, shape and building efficiency upon cost and value. Functional requirements and cost implication of construction methods. Influence of site and market conditions and economics of prefabrication and industrialisation. Building cost data bases and indices, cost checking and analysis. Value management and life cycle costing. Introduction to tax depreciation and tax effective design.

Course: CN41
Prerequisites: CNB216, CNB118, CNB217, CNB218, CNB220
Corequisites: CNB323, CNB311
Credit Points: 6  Contact Hours: 2 per week

Course: CNB326 TIME MANAGEMENT 2
Understanding of resources and their importance in the planning process. High-rise repetitive, production planning and the importance of material and resource handling in this process. Legal problems associated with CPM. Planning and control of various types of projects.

Course: CN41
Prerequisites: CNB313, CNB118, CNB217, CNB218, CNB317, CNB323
Credit Points: 8  Contact Hours: 4 per week

Course: CNB327 BUILDING ECONOMICS 1
History and need for cost control, comparisons between cost planning and approximate estimating. NPWC cost control system. Effects of height, shape and building efficiency upon cost and value. Functional requirements and cost implication of construction methods. Influence of site and market conditions and economics of prefabrication and industrialisation. Building cost data bases and indices, cost checking and analysis. Value management and life cycle costing. Introduction to tax depreciation and tax effective design.

Course: CN43
Prerequisites: CNB216, CNB118, CNB217, CNB218, CNB311, CNB220
Corequisites: CNB323, CNB313
Credit Points: 6  Contact Hours: 2 per week

Course: CNB328 CONSTRUCTION MANAGEMENT 3
Management principles: planning, goal setting, strategic, operational and tactical planning. Controlling: process, budgets, audits. Organising: organisational structures, job design, specialisation, departmentalisation. Developing company business plans, safety management plans and quality management plans with emphasis on the application of these planning techniques to the construction industry. Decision-making and problem-solving. Code of ethics, professional image, status and indemnity.

Course: CN41
Prerequisites: CNB317, CNB221
Corequisites: CNB326, CNB318, CNB322
Credit Points: 8  Contact Hours: 3 per week

Course: CNB329 BUILDING CONTRACTS AND ARBITRATION LAW
Contents of building contracts and contract documents, with particular reference to and consideration of the major provisions in Standard Forms of Building Contract: aspects covered include tenders, subcontractors, role of the architect, variations, time for completion and exten-
sion of time, claims and payments, determination and
arbitration; arbitration: the agreement, comparison with
actions at law, reference by consent, appointment of an
arbitrator; conduct of an arbitration, powers and duties,
rules of evidence, enforcement of an award, costs.
Courses: CN41, CN43
Prerequisites: CNB121, CNB226 Corequisite: CNB317
Credit Points: 6 Contact Hours: 3 per week

■ CNB330 APPLIED COMPUTING 2
Computer software programs which can be used in the
construction and property development processes. The
unit is designed to coordinate the practical aspects of the
lecture material presented each semester so that stu­
dents both develop essential practical skills and benefit
from cross-fertilisation of the individual subjects. The
programs reinforce the applied subjects which are taken
in the course and may include software packages cover­
ing construction business management; construction
administration and cost control; estimating, cost plan­
ing and billing, etc.
Course: CN41
Prerequisites: CNB315, CNB317, CNB323, CNB325
Corequisites: CNB328, CNB316
Credit Points: 6 Contact Hours: 3 per week

■ CNB332 APPLIED COMPUTING 2A
Computer applications for the preparation of bills of
quantities using software packages; hands-on experience
in setting up of base accounts, trades, headings; mea­
surement input; editing, correction and data manipula­
tion; report generation in various bill of quantities for­
mats; pricing using estimated and/or tendered rates; el­
emental analyses; use of computer in measurement of
non-traditional contractual systems; specification and
preamble development.
Course: CN43
Prerequisites: CNB327, CNB319, CNB323, CNB216
Corequisites: CNB312, CNB316
Credit Points: 6 Contact Hours: 3 per week

■ CNB334 PROFESSIONAL STUDIES 3
The third year project will deal mainly with Building
Economics and Management subjects. The project will
be a high-rise building in the inner city area. The stu­
dents will be provided with working drawings, specifica­
tion, bills of quantities and contract conditions. Esti­
mating and building economics: Prepare an estimate to
erect the building. Carry out a bulk check and prepare a
preliminary network to determine time related overheads
and completion date for the tender. Submit tender.
Prepare basic critical path network etc. and prepare cost
plan for project.
Course: CN41
Prerequisites: CNB224, CNB311, CNB313, CNB315,
CNB317, CNB321, CNB323, CNB325
Corequisites: CNB326, CNB322, CNB328, CNB330,
CNB316, CNB318
Credit Points: 8 Contact Hours: 3 per week

■ CNB341 BUILDING & CIVIL ENGINEERING
CONSTRUCTION
Large project bulk excavation, earth and rock retaining
systems, rock excavation and explosive handling;
dewatering, pile driving, bored pier and special founda­
tion construction; demolition of structures; roadworks,
techniques, stabilised construction, surface sealing and
associated bridge construction; falsework and temporary
works.
Courses: CN31, CN33 Prerequisite: CNB254
Credit Points: 4 Contact Hours: 2 per week

■ CNB342 LAW 2 PRINCIPLES & PROPERTY
Legal principles and process, the legal system and pro­
cess; sources and divisions of the law; rules of precedence;
interpretation of statutes and regulations; legal practice
and procedure; law of property, ownership and posses­
sion, estates and interests in land; easements, rights and
restrictive covenants; party walls, boundary walls, fences
and encroachments.
Courses: CN31, CN32, CN33
Credit Points: 3 Contact Hours: 1.5 per week

■ CNB343 ECONOMICS OF THE
CONSTRUCTION INDUSTRY
Economics and applied economics; features of the
macroeconomy; demand, supply, prices and stocks;
market structures, competition, collusion, integration and
concentration; real property markets, tenure, markets and
sub-markets; construction and housing industries com­
position and characteristics; demand for dwellings, the
deposit gap, public housing, rental markets; pricing
mechanism, application to land, contract and speculative
projects, etc.; cost analysis, cost components in hous­
ing; problems of rising costs and time delays; finance
industries, types and use of finance, use of gearing, risk
considerations, cash flow; failure of developer and
builder firms.
Courses: CN31, CN33
Credit Points: 6 Contact Hours: 3 per week

■ CNB347 HYGIENE & SANITATION
A study of macro services to the community including
water supply, sewerage, power, gas, telephone and other
public services. Requirements of headworks and reticula­	ions. A study of sanitation, septic tanks, absorption
and transpiration beds, stormwater and sewerage
disposal and refuse disposal. Hydraulic engineering
services associated with buildings. Water supply (includ­
ing fire fighting and hot water), sewerage and sanitary
plumbing with a study of relevant Acts and laws, includ­
ing sizing and testing of main and gravity-fed
services.
Courses: CN31, CN33, PU42
Credit Points: 4 Contact Hours: 3 per week

■ CNB362 PROPERTY AGENCY
Characteristics of the Australian property market, the
nature of the marketing problems. The marketing plan:
the mix, implementation of plan and sales forecast; price­
ing decisions, approach to selling; consideration of sales
particulars and auction catalogues. Promotional deci­
sions: determination of budget size; media decision and
sales promotion; technological advances and market
changes. Real estate brokerage and the application of
marketing principles to residential, commercial, indus­
trial, special and overseas properties. Negotiation skills
development.
Courses: CN32, PU47
Credit Points: 8 Contact Hours: 3 per week

■ CNB363 VALUATION 3
Valuation formula; time value concepts; investment ap­
proach, basic capitalisation and cash flow techniques.
Assumptions. Practical applications of investment ap­
proach to suburban and CBD properties.
Course: CN32 Prerequisite: CNB268
Credit Points: 9 Contact Hours: 3 per week

■ CNB364 VALUATION 4
See CNB363.
Course: CN32 Prerequisite: CNB363
Credit Points: 8 Contact Hours: 3 per week

■ CNB367 REAL ESTATE ACCOUNTING 1
Financial accounting: period versus project income de­
termination, inventory valuation and costs of goods sold,
introduction of asset valuation theories, depreciation,
intangible asset determination, effects of taxation. Analy­
sis and interpretation of financial statements: multiple

Courses: CN32, PS47
Credit Points: 9  Contact Hours: 3 per week

■ CNB368 REAL ESTATE ACCOUNTING 2

Courses: CN32, PS47  Prerequisite: CNB367
Credit Points: 8  Contact Hours: 3 per week

■ CNB401 BUILDING ECONOMICS & COST PLANNING
Cost control building outputs and costs; comparison of cost planning and approximate estimating; cost implications of design variables, perimeter/floor area ratio, size of building, circulation space, storey height; cost, effects of site conditions, prefabrication and standardisation; approximate estimating, types and uses; measurement of variations, adjustment of prime costs and provisional sums; cost analyses, indices and data; applications and use of cost analyses; progress payments and final accounts.

Course: CN31  Prerequisite: CNB010, CNB013, CNB014, CNB254, CNB443, CNB444, CNB446, CNB540
Credit Points: 4  Contact Hours: 2 per week

■ CNB403 BUILDING MANAGEMENT 1
Management in principle, planning, leading, organising, controlling and applied communication; Fundamentals of management; roles of policy maker and executive; accountability; problem solving; organisation structures and relationships, formal and informal structures; management in practice, building industry participants, client to builder; systems in the building industry: contract, and head office management of small and large contracts; management, job description, contracts, plant, estimating, purchasing, planning and accounting section; tenders and contracts; controlling incoming work, securing contracts.

Courses: CN31, CN33  Corequisite: CNB253
Credit Points: 4  Contact Hours: 2 per week

■ CNB404 BUILDING MANAGEMENT 2
More advanced management principles and their application to site administration and management.

Courses: CN31, CN33  Prerequisite: CNB403
Credit Points: 4  Contact Hours: 2 per week

■ CNB405 PROJECT EQUIPMENT & SAFETY
Construction Safety Act 1971-73 and regulations; fixed, mobile and portable equipment, hoarding, gantries, scaffolding; crane, hoist and other relevant code; responsibilities and certification of site operatives; safety problems in erection, demolition and excavation work; accident investigation, analysis and preventive techniques; frequency and severity rates and training, management responsibilities.

Course: CN31  Corequisite: CNB254
Credit Points: 4  Contact Hours: 2 per week

■ CNB411 DEVELOPMENT PROCESS 1
Development sectors covering commercial offices (high and low rise, CBD and suburban), retail (CBD, secondary, regional, strip and festival), industrial, infrastructure, short term accommodation and leisure (3-5 star hotels, integrated resorts, motels, golf courses and marinas). Residential land subdivisions both small (under 20 ha) and large, medium and high density housing including a systematic critique of AMCORD (Australian Model Code of Residential Development) and its effects on lot yields and service efficiencies. Development of building approval process, rezoning, political influences in the development process, changing social needs and the effects on development, feasibility studies, development budget control, taxation, development financing and the development process, legal development structures, marketing and selling, commissioning leading development teams, planning for client satisfaction and development sensitivities.

Courses: CN41, CN43  Prerequisite: CNB313, CNB316, CNB318, CNB315, CNB325, CNB311, CNB327, CNB321
Credit Points: 9  Contact Hours: 3 per week

■ CNB412 DEVELOPMENT PROCESS 2
Case studies on the following type of developments: CBD office, suburban office, hotels, integrated resorts, motels, golf courses, marinas, retail centres (CBD, regional, secondary, strip and festival), medium and high density housing, infrastructure and industrial, small and large residential subdivisions, retail and retirement villages.

Courses: CN41, CN43  Prerequisite: CNB411
Credit Points: 6  Contact Hours: 2 per week

■ CNB414 CIVIL ENGINEERING QUANTITIES
Introduction to the measurement of civil engineering works based on the study of the SMM of Civil Engineering Quantities. Detailed study of methods, plant, specification and measurement of: earthworks, clearing, compaction and dredging; roadworks (survey, bulk excavation and filling, pavement construction, kerbing, culverts); and bridges (foundations, abutments, superstructure, approach embankments, safety structures). Study of dam construction (earthworks, storage volumes, etc.). A brief introduction to computer applications such as earthwork calculations, etc. An investigation into the method of measuring the quantity of materials involved in major industrial complexes such as: refinery and processing plant, including pipework, vessels, tanks, instrumentation, electrical, commissioning, scaffold, shutdown maintenance; pipelines, etc. Mining, plant and equipment, conveyors, processing plant etc; oil and gas, offshore platforms, fabrications, etc. Introduction to cost engineering and cost control on major engineering projects. Estimating procedures used for this type of construction.

Course: CN43  Prerequisite: CNB311
Credit Points: 12  Contact Hours: 4 per week

■ CNB415 CONTRACT ADMINISTRATION 2
Nominated sub-contractors and supplier; adjustment of PC and provisional sums; variations; rise and fall; progress claims and payments. Retentions and bank guarantees. Delays and extensions of time; prolongation costs and liquidated damages; practical completion; completion. Final certificate. Insurances.
Course: CN43 Prerequisites: CNB314, CNB318
Credit Points: 9 Contact Hours: 3 per week
- **CNB416 CONSTRUCTION MANAGEMENT 4**
  Basis of employment (common law and statutory, construction industry infrastructure, conciliation and arbitration, the awards, alternative systems, negotiation with unions, ancillary legislation (Workplace Health and Safety, Equal Employment Opportunity, etc.). Interpersonal skills, roles, expectations. Group interaction and dynamics, social motives and sources and resolution of conflict. Practical application of behaviour studies through case studies drawn from the building industry. Communications. Working with others. Team roles and work groups. Assertiveness, motivation.
  
  Course: CN41 Prerequisite: CNB328
  Credit Points: 12 Contact Hours: 4 per week
- **CNB417 RESEARCH PROJECT 1**
  This unit is linked with CNB418.
- **CNB418 RESEARCH PROJECT 2**
  History of building research; definition of research; Australian and international building research organisations; nature of the building industry and implications for research; future developments in building research; research management; research process. Development and presentation of a bibliographic report on any topic within the ambit of construction management.
  
  Courses: CN41, CN43
  Prerequisites: Final year subject
  Credit Points: 12 Contact Hours: 4 per week
- **CNB419 APPLIED COMPUTING 3**
  Computer software programs which can be used in the construction and property development processes. The unit is designed to coordinate the practical aspects of the lecture material presented each semester so that students both develop essential practical skills and benefit from cross fertilisation of the individual subjects. The programs reinforce the applied subjects which are taken in year 3 of the full-time course and may include software packages covering: time and resource management; financial investment; project management.
  
  Course: CN41
  Prerequisites: CNB326, CNB328, CNB316
  Corequisite: CNB411
  Credit Points: 9 Contact Hours: 2 per week
- **CNB421 ELECTIVE 1**
  The student will choose elective units to extend and expand an area of knowledge or experience to develop in depth a particular professional expertise. These subjects may be drawn from any relevant Faculty within the QUT. The electives are to be approved by the Course Coordinator prior to enrolment.
  
  Course: CN43 Prerequisites: Final year subjects
  Credit Points: 9 Contact Hours: 2 per week
- **CNB422 ELECTIVE 2**
  The student will choose elective units to extend and expand an area of knowledge or experience to develop in depth a particular professional expertise. These subjects may be drawn from any relevant Faculty within the QUT. The electives are to be approved by the Course Coordinator prior to enrolment.
  
  Course: CN43 Prerequisites: Final year subjects
  Credit Points: 9 Contact Hours: 2 per week
- **CNB431 ELECTIVE 1**
  The student will choose elective units to extend and expand an area of knowledge or experience to develop in depth a particular professional expertise. These subjects may be drawn from any relevant Faculty within the QUT. The electives are to be approved by the Course Coordinator prior to enrolment.
  
  Courses: CN41 Prerequisites: Final year subjects
  Credit Points: 9 Contact Hours: 3 per week
- **CNB432 ELECTIVE 2**
  The student will choose elective units to extend and expand an area of knowledge or experience to develop in depth a particular professional expertise. These subjects may be drawn from any relevant Faculty within the QUT. The electives are to be approved by the Course Coordinator prior to enrolment.
  
  Courses: CN41 Prerequisites: Final year subjects
  Credit Points: 9 Contact Hours: 3 per week
- **CNB440 LAW 3 BUILDING CONTRACTS**
  Building and engineering agreements, practices relating to the building industry; contract law, elements, formation and discharge of a contract; contents of a valid contract, misrepresentation, collateral contract implied terms; contract documents and their interpretation; breach of contract; major provisions in Australian standard forms of building contract.
  
  Courses: CN31, CN33 Corequisite: CNB404
  Credit Points: 6 Contact Hours: 1 per week
- **CNB442 VALUATION & DILAPIDATIONS**
  Nature of value; effect of supply and demand of land and buildings; investment value and occupational value; types of landed property, incidents of their tenure, outgoings and comparison with other forms of investment; rates of interest required from different types of property; calculating rental value and net income and capitalisation of net income; use of valuation tables; liability for dilapidations; legal and equitable waste; implied, express contract covenants and statutory obligations to repair between landlord and tenant; landlords' remedies for breach of covenant to repair; liability for injuries to third parties.
  
  Courses: CN31, CN33
  Prerequisites: CNB013, CNB014
  Credit Points: 6 Contact Hours: 2 per week in Semester 1, 1 per week in Semester 2
- **CNB443 BUILDING SERVICES 3**
  Transportation of people and goods; passenger, goods and service lifts; planning disposition, control systems and construction; regulatory requirements, approximate traffic calculations; escalators and moving walks, use, widths and ratings, regulatory requirements and construction; planning of lift contracts and ancillary building work; cost of lifts; fire protection, sprinklers, detectors, alarms, extinguishers; telephone and sound systems; intrusion alarm systems; clock and time systems; acoustics.
  
  Courses: CN31, CN33
  Prerequisites: CNB013, CNB014
  Corequisite: CNB253
  Credit Points: 5 Contact Hours: 2.5 per week
- **CNB444 MECHANICAL & ELECTRICAL ESTIMATING**
  Mechanical and electrical systems, parameters influencing their design and application; types estimates and tenders; preliminaries, trade awards and wage rates; take off procedures, costing and estimating make-up calculations; system costs in relation to total building, floor area, operating and maintenance cost, builders allowance for each system.
  
  Courses: CN31, CN33
  Prerequisites: CNB013, CNB014
  Credit Points: 4 Contact Hours: 2 per week
- **CNB446 ESTIMATING 1**
  Building trades award and wages rates; hourly rate build
up for equipment and trade services; calculation of preliminaries for a small suburban project.

Courses: CN31, CN33
Prerequisites: CNB006, CNB253
Corequisite: CNB254
Credit Points: 5  Contact Hours: 2.5 per week

■ CBN451 COMPUTER SOFTWARE APPLICATIONS 1
Preparation of bills of quantities using computer software packages; hands-on experience in set-up of base accounts, trades, headings; measurement input; editing, correction and data manipulation; report generation in various bill of quantities formats; pricing using estimated and/or tendered rates; elemental analyses; computer measurement of contractual systems; specification and preprint development.
Course: CN33
Prerequisites: CNB010, CNB246, ISB180
Credit Points: 4  Contact Hours: 2 per week

■ CBN452 COMPUTER SOFTWARE APPLICATIONS 2
Cost plan/estimates using computer software packages, including set-up of base accounts, parameter specifications; elemental and detailed estimate measurement; editing, correction and data manipulation; report generation and formatting; development of labour constants, standard rates and items; pricing, tendering, spreadsheet application; construction administration, variation control, rise and fall of final accounts; progress payments; cash flow forecasts.
Course: CN33
Corequisite: CNB648
Credit Points: 4  Contact Hours: 2 per week

■ CBN461 MEASUREMENT OF CONSTRUCTION 5
Methods of taking off and billing quantities in complex basement and foundation work in the trades underpinning, excavator, concreter, piling systems, structural systems in suspended slabs and walls.
Course: CN33
Prerequisites: CNB010, CNB246, CNB254, CNB341
Credit Points: 3  Contact Hours: 1.5 per week

■ CBN462 MEASUREMENT OF CONSTRUCTION 6
Methods of taking off and billing quantities in the trades plumber and drainer.
Course: CN33
Prerequisites: CNB347
Credit Points: 3  Contact Hours: 1.5 per week

■ CBN464 VALUATION 5 RURAL
The physical and economic factors of rural land and its development, land utilisation and degradation, farm management and productivity, factors influencing rural valuations. Rural sales, valuation procedures and inspections. Practical assignments.
Course: CN32
Prerequisites: CBN268
Credit Points: 8  Contact Hours: 3 per week

■ CBN465 PROPERTY INVESTMENT ANALYSIS 1
Investment principles and strategy, property investment financing and evaluation, property investment market, time value of money concepts, cash flow techniques over time, application of CFI techniques to property, feasibility studies, market analysis, risk analysis applied to property; the structure of detailed risk and return viability studies; portfolio theory applied to property; computer applications.
Courses: CN32, PS47
Prerequisites: CNB363, CNB667
Credit Points: 8  Contact Hours: 3 per week

■ CBN466 PROPERTY INVESTMENT ANALYSIS 2
See CBN465.
Course: CN32
Prerequisites: CNB365, CBN465, CBN667
Credit Points: 8  Contact Hours: 3 per week

■ CBN470 VALUATION 6 RURAL
See CBN464.
Course: CN32
Prerequisite: CBN464
Credit Points: 8  Contact Hours: 3 per week

■ CBN471 PROPERTY PRACTICE LAW
Legal concepts and statutory requirements relevant to the property professional; legislation governing property valuation and real estate practice; the effect of relevant statutes on real property; standard real property contracts; law of torts; negligence; arbitration.
Courses: CN32, CN81
Prerequisite: CBN342
Credit Points: 8  Contact Hours: 2.5 per week

■ CBN472 PROPERTY TAXATION ISSUES
The implications of taxation on the overall profitability of property investments and developments. The distinction between developer and investor, project funding, the interpretation of ordinary income and capital gains tax. Deductions for project expenditure, in particular interest, negative gearing, depreciation and building amortisation.
Courses: CN32, CN81
Prerequisite: CBN368
Credit Points: 8  Contact Hours: 2 per week

■ CBN501 BUILDING MANAGEMENT 3
Construction accounting methods and management of on and off-site financial transactions; construction industry accounting procedures, profit and balance sheets.
Courses: CN31, CN33
Credit Points: 4  Contact Hours: 2 per week

■ CBN502 BUILDING MANAGEMENT 4
Search and selection of construction projects; the discount rate cost of capital, return on investment; cash flows and contract mark-up; risk uncertainty and inflation in capital investment decisions; analysis and interpretation of financial statements; sources of funds and classifications; bidding theory and strategy; prescribed payments taxation system.
Courses: CN31, CN33
Prerequisites: CNB404, CNB501
Credit Points: 4  Contact Hours: 2 per week

■ CBN520 SPECIFICATIONS
Compilation of specifications complementing architectural documents; definitions, objects and purpose of a specification; specification as a contract legal and working document; reference material and specification writing; use of master specifications; outright and performance specifications and preparation of specified bills of quantities.
Course: CN33
Prerequisite: CBN254
Credit Points: 3  Contact Hours: 1.5 per week

■ CBN524 MEASUREMENT OF CONSTRUCTION 7
Methods of taking off and billing quantities in the trades of mechanical and electrical engineer, external works and preliminaries.
Course: CN33
Prerequisites: CNB013, CNB014
Credit Points: 4  Contact Hours: 2 per week

■ CBN526 POST-CONTRACT SERVICES 1
Method of adjustment of provisional items, rise and fall entitlements; preparing valuation certificates for progress payments; cost control techniques used during the construction period; review of applicable contractual clauses; quantity surveying practice, adjustment to the
contract sum for variations; feasibility studies; different types of contractual arrangement and selection of contractors.

Course: CN33  Prerequisites: CNB440, CNB540
Credit Points: 5  Contact Hours: 2.5 per week

■ CNB527 PM2 QUANTITATIVE TECHNIQUES
Operations research techniques applied to the construction industry; linear programming; transportation and assignment methods; dynamic programming, decision trees; descriptive and inductive statistical methods applied to the construction/development industry and research; frequency distributions, measures of central tendency, dispersion; probability of variance, regression, sampling.

Courses: CN31, CN33
Prerequisites: CNB403, CNB404
Credit Points: 3  Contact Hours: 1.5 per week

■ CNB540 ESTIMATING 2
Build up of typical rates for demolition, dewatering, piling, underpinning, shoring/formwork to columns, beams, walls and slab systems; reinforcement tying and fixing; concrete placing rates; precast erection; scaffolding, gantries, hoists and cranes, etc.; calculations of preliminaries for country and city projects.

Courses: CN31, CN33
Prerequisites: CNB009, CNB010, CNB246, CNB446
Credit Points: 5  Contact Hours: 2.5 per week

■ CNB543 LAW 4 TORTS & ARBITRATIONS
Law of tort, negligence, professional negligence, duty of care, liability; occupiers' liability, nuisance, fraud and conversion; arbitration, nature of and comparison with actions of law; reference by consent; the arbitration agreement, parties subject matter; appointment of arbitrators; conduct of an arbitration; powers and duties of an arbitrator; rules of evidence; validity of publication and enforcement of an award; costs.

Courses: CN31, CN33
Prerequisites: CNB440
Credit Points: 3  Contact Hours: 1.5 per week

■ CNB545 PM3 CONSTRUCTION PLANNING TECHNIQUES 1
Application of construction planning and control techniques; bar charts; critical path networks, arrow and precedence diagrams; updating control and reporting techniques; line of balance.

Courses: CN31, CN33
Prerequisites: CNB246, CNB254, CNB404, CNB446
Corequisite: CNB540
Credit Points: 7  Contact Hours: 3.5 per week

■ CNB548 PM4 CONSTRUCTION PLANNING TECHNIQUES 2
Resource management; basic and production planning techniques; planning and control for various types of projects; misuse and abuse of planning and legal problems associated with CPM.

Course: CN31
Prerequisites: CNB013, CNB014, CNB545
Credit Points: 8  Contact Hours: 4 per week

■ CNB550 PM5 PROJECT COST CONTROL
Financial planning and cost control of the construction project; the development time relationships, cost consequences of design decision; preconstruction budget, budget management, materials control; performance analysis; trend evaluation; forecasting techniques; progress reports, cost reports; financial status reports; computer applications in expenditure; equipment policy, equipment economics, maintenance management; contract administration, processing payments, negotiating extensions and prolongation claims, rise and fall, prescribed payments.

Course: CN31
Prerequisites: CNB403, CNB404, CNB501
Credit Points: 6  Contact Hours: 3 per week

■ CNB552 OFFICE MANAGEMENT
Scale of fees and professional charges; code of ethics; letters of engagement; law involving the quantity surveyor and client, professional indemnity; image and status; office management and procedures.

Course: CN33
Credit Points: 2  Contact Hours: 1 per week

■ CNB561 PROPERTY MAINTENANCE
Technological, legal and financial factors in property maintenance, including taxation issues; the nature and importance of building maintenance: concept of building maintenance, liability for defects; capital, maintenance and running costs; quality control; government policy; planning of maintenance including inspections, long and short term; maintenance policies, cycles and profits, maintenance audits, maintenance manuals; building stock age and conditions, statistics; maintenance standards; application, attitude, quality control, responsibility; statutory requirements: Building Act, defective premises, Factories Act, fire precautions, health and safety; cost control; estimates and budgets, performance measures; life cycle costing.

Course: CN32
Prerequisites: CNB261
Credit Points: 8  Contact Hours: 3 per week

■ CNB564 VALUATION 7
Valuation of specialist-type properties including licensed premises, hotels, service stations, entertainment and public properties. The valuation of corporate assets for organisational and balance sheet purposes. The future role of the valuer.

Courses: CN32, CN81
Credit Points: 8  Contact Hours: 3 per week

■ CNB565 LAND MANAGEMENT
Land resource management, ecology, regional land systems, coastal and riverine development issues; environmental degradation, land contamination; heritage values and management.

Courses: CN32, PS47
Credit Points: 8  Contact Hours: 3 per week

■ CNB567 REAL ESTATE MARKET ANALYSIS

Courses: CN32, PS47
Credit Points: 4  Contact Hours: 2 per week

■ CNB568 REAL ESTATE PRACTICE
Management concepts in real estate; a business plan: office administration; staff recruitment and training; trust accounts; a composite real estate practice.
See control from sketch design to completion; tender procedures designed for the construction industry.

CCNB601 FORMWORK DESIGN & CONSTRUCTION
Formwork building, quality, safety, control; formwork planning, re-use, materials and hardware; cost hire or buy; erecting and stripping; scheduling, loads and pressures on slab, beams, column and wall forms; form design and design tables; formwork drawing and detailing; building and erecting formwork, architectural forms, precast concrete; special techniques and pre-stressing; propriety formwork systems, simple falsework design. Courses: CN31, CN34 Prerequisite: CNB146 Corequisite: CNB253 Credit Points: 4 Contact Hours: 2 per week

CCNB603 BUILDING MANAGEMENT 5
The construction labor market, supply and demand, awards, conditions and earnings differentials; role of the construction trade unions and negotiations between employer and unions; construction conciliation and arbitration systems; strikes and lockouts; workers compensation acts and regulations, etc. Courses: CN31, CN33 Credit Points: 4 Contact Hours: 2 per week

CCNB606 FM8 LAND DEVELOPMENT STUDIES
The structure, operation and control of the land development industry including the politico-economic framework; land use plans and approval mechanisms of subdivision land; financial aspect of development projects, trends and prospects in the housing development industry. Course: CN31 Prerequisite: CNB623 Corequisite: CNB624 Credit Points: 4 Contact Hours: 2 per week

CCNB623 PM6 BUILDING DEVELOPMENT TECHNIQUES 1
Feasibility, market and location surveys; cost analysis; evaluation techniques, conventional and discounting; cash flow and effects; cost analysis, authorities, development restrictions, services; profitability, commercial assessment, land values, options; purchase, terms, legal documentation, consolidation, surveys; commissioning design team, building use, facilities, quality, staging; instruct consultants, analyse alternatives, value engineering, marketability, income and outgoings; cost and time control from sketch design to completion; tender procedures and negotiations, contract documentation; leasing, brochures, publicity, letting agents, targets; authorisation of payments, monthly reports, coordination meetings; financing projects and cash flow. Courses: CN31, CN33 Prerequisite: CNB301, CNB343, CNB401, CNB502, CNB540, CNB545, CNB550 Credit Points: 4 Contact Hours: 2 per week

CCNB624 PM7 BUILDING DEVELOPMENT TECHNIQUES 2
See CNB623. Courses: CN31, CN32, CN33 Prerequisite: CNB623 Credit Points: 4 Contact Hours: 2 per week

CCNB626 LAND DEVELOPMENT STUDIES
See CNB606. Courses: CN32, CN81 Corequisite: CNB623 Credit Points: 4 Contact Hours: 2 per week

CCNB642 APPLIED COMPUTER TECHNIQUES
Evaluation of a range of commercial computer programs designed for the construction industry.

Course: CN31 Prerequisite: CNB548, CNB550 Credit Points: 6 Contact Hours: 3 per week

CCNB643 LAW 5 COMMERCIAL LAW
The law as it affects the construction industry; sale of goods, hire purchase; negotiable instruments; insurance law; partnership law and general principles of company law; bankruptcy and liquidation. Courses: CN31, CN32, CN33 Prerequisite: CNB404, CNB502 Credit Points: 3 Contact Hours: 1.5 per week

CCNB647 COST PLANNING & COST CONTROL 1
The significance of construction economics for the client, the professions, the industry and society; historical development, need for and main aims of cost control; compiling cost planning and approximate estimating; cost implication of design variable, shape, size, perimeter, storey height; cost implications of construction methods of site and market conditions, or prefabrication and industrialisation; types of approximate estimates; cost analyses, indices and rates; cost in use, maintenance and running costs, the life of buildings and components; taxation and insurance. Course: CN33 Prerequisite: CNB005, CNB006, CNB009, CNB101, CNB446, CNB461, CNB462, CNB524, CNB540 Credit Points: 4 Contact Hours: 2 per week

CCNB648 COST PLANNING & COST CONTROL 2
Continuation of CNB647. Course: CN33 Prerequisite: CNB647 Corequisite: CNB452 Credit Points: 4 Contact Hours: 2 per week

CCNB653 POST-CONTRACT SERVICES 2
Continuation of CNB526. Course: CN33 Prerequisite: CNB526 Credit Points: 5 Contact Hours: 2.5 per week

CCNB656 BUILDING RESEARCH
History of building research; definition of research; Australian and international building research organisations; nature of the building industry and implications for research; financing research; future developments in building research; research management; research process; development and presentation of a bibliographic report. Courses: CN31, CN33 Prerequisites: Final year Credit Points: 18 Contact Hours: 4.5 per week

CCNB661 RESEARCH DISSERTATION 1
Develop an ability to disseminate and evaluate information and specialised knowledge and acquire an understanding of research methodology. Encourages the definition, history, financing, future prospects and management of research. Students select a research subject, test its workability, develop procedures, prepare an outline for the study, draft the preliminary section and, after a series of critiques, present a bibliographic report, prepare a case study or project based upon an unusual or complex process within a relevant professional area, prepare a report and give an oral presentation. Course: CN32 Credit Points: 8 Contact Hours: 4 per week

CCNB662 RESEARCH DISSERTATION 2
See CNB661. Course: CN32 Prerequisite: CNB661 Credit Points: 8 Contact Hours: 4 per week

CCNB663 PROPERTY DEVELOPMENT 1
An overview of the project development process from inception to occupancy as a prelude to detailed study of discrete parts of the process. See CNB623/4.
The role and importance of property management. The legal and physical parameters governing the establishment, holding, use and income generation of property assets. Theoretical and practical knowledge of the operation of components of property management. The management of residential, retail, industrial and commercial buildings. Main statutory provisions relating to above tenancies. Tenancy agreements, management records and accounts. Insurance. Cash flow and credit control.

Courses: CN32, PS47
Credit Points: 9
Contact Hours: 3 per week

■ CNB666 PROPERTY MANAGEMENT 2
See CNB665.
Courses: CN32, PS47
Credit Points: 8
Contact Hours: 3 per week

■ CNB667 APPLIED COMPUTER TECHNIQUES
Designed to give students hands-on experience and to demonstrate contemporary commercial software. On completion, students should be able to evaluate a range of commercial and non-commercial computer programs designed for the property development and construction industry. Covers accounting and cost control packages; feasibility studies; maintenance packages; CPM, network analysis techniques.

Course: CN32
Credit Points: 8
Contact Hours: 3 per week

■ CNN441 DISSERTATION
See CNN442.
Courses: CN77
Credit Points: 48

■ CNN442 DISSERTATION
The dissertation may be of a research or investigative nature on any approved area related to property management or property development. Suitable topics will be discussed and arranged with students each year. Each student will need to negotiate a suitable topic with a supervisor and will be examined by means of a dissertation by that supervisor and the unit moderator. Incorporates IFNO01 Advanced Information Retrieval Skills which must be taken.

Courses: CN77
Credit Points: 48

■ CNP400 MANAGEMENT OF TECHNOLOGY
Introduces key concepts in management of technology and shows how these can be implemented. Furthers the understanding of the role of technology and its efficient management to build and maintain a competitive edge in business. Management of technology links engineering, science and management principles to identify, choose and implement the most effective means of attaining compatibility between internal skills and resources of an organisation and its competitive, economic and social environment. Course covers technology and competitive advantage, technological trends and forecasting, acquisition of technology and managing the technical function.

Courses: CN64, CN77, CN81
Credit Points: 6
Contact Hours: 2 per week

■ CNP401 MANAGEMENT OF TECHNOLOGY FOR COMPETITIVE ADVANTAGE
Introduces key concepts in management of technology and shows how these can be implemented. Furthers the understanding of the role of technology and its efficient management to build and maintain a competitive edge in business. Management of technology links engineering, science and management principles to identify, choose and implement the most effective means of attaining compatibility between internal skills and resources of an organisation and its competitive, economic and social environment. Course covers technology and competitive advantage, technological trends and forecasting, acquisition of technology and managing the technical function.

Courses: CN64, CN77, CN81
Credit Points: 6
Contact Hours: 2 per week

■ CNP402 PRINCIPLES OF VALUATION

Courses: CN64, CN77, CN81
Credit Points: 6
Contact Hours: 2 per week

■ CNP403 PROPERTY MAINTENANCE & ASSET MANAGEMENT
Technological, legal and financial factors in property maintenance, including taxation issues; the nature and importance of building maintenance: concept of building maintenance, liability for defects; capital, maintenance and running costs; quality control; government policy; planning of maintenance including inspections, long and short term; maintenance policies, cycles and profits, maintenance audits, maintenance manuals; building stock age and conditions, statistics; maintenance standards: application, attitude, quality control, responsibility; statutory requirements: Building Act, defective premises, Factories Act, fire precautions, health and safety; cost control: estimates and budgets, performance measures; life cycle costing.

Courses: CN64, CN77, CN81
Credit Points: 6
Contact Hours: 2 per week

■ CNP404 ADVANCED LAND DEVELOPMENT
The structure, operation and control of the land development industry including the politico-economic framework; land use plans and approval mechanisms of subdivisible land; financial aspect of development projects, trends and prospects in the housing development industry. Advanced assessment.

Courses: CN64, CN77, CN81
Credit Points: 6
Contact Hours: 2 per week

■ CNP406 INTERNATIONAL PROJECT MANAGEMENT
Examines international trends in project management from the perspective of the Australian project manager. Compares technical, managerial, economic and cultural concepts and issues related to project management in the global marketplace. Discusses emerging opportunities and misconceptions, with particular reference to the Asia-Pacific region. Provides the opportunity for international and local students to exchange ideas through the use of applied case studies and discussion groups. Lectures supported by a series of specialist industry lecturers.

Courses: CN64, CN77, CN81
Credit Points: 6
Contact Hours: 2 per week

■ CNP417 DESIGN MANAGEMENT
The nature of design and the factors which influence the process of design. It includes planning, managing and controlling the design process from inception to detailed
documentation; decision sequences in design; appreciation of the consequence of design decisions on the total project; the inter-relationships between architectural design and engineering and service design requirements; briefing techniques.

Courses: CN64, CN77, CN81
Credit Points: 6  Contact Hours: 2 per week

■ CNP422 SPECIALIST VALUATIONS
Theory of value, valuation types and approaches, practical approaches to the following valuation types: rat­ ing, compensation for compulsory purchase, investment, own-use, property assets, portfolios, public and specialist properties. Assessment of potential.

Courses: CN64, CN77, CN81
Credit Points: 6  Contact Hours: 2 per week

■ CNP426 PROJECT DEVELOPMENT
Site selection and acquisition; securing the land; authority negotiation and approvals; authority apprailals; re­ source planning; acquisition/procurement; project coor­ dination; construction management; commissioning and occupation; property management; project finalisation; post control evaluations; project management objectives of cost time and quality; process overview; project stages; management principles; feasibility/justification; prelimi­ nary brief; development objective, motivation and needs; feasibility studies; project feasibility/justification; fi­ nance for projects; marketing.

Courses: CN64, CN77, CN81
Credit Points: 6  Contact Hours: 2 per week

■ CNP429 COST MANAGEMENT & ECONOMICS
Financial statements; investment decisions; economic evaluation; financing decisions; life cycle costing; con­ trol systems; management accounting and reporting; information systems; cost planning theories and tech­ niques; the economy.

Courses: CN64, CN77, CN81
Credit Points: 12  Contact Hours: 2 per week

■ CNP430 CURRENT ISSUES
The unit is very much an integrative study area. There are two main strands: the integration, under the project management umbrella, of areas already studied; and the integration of recent and topical developments in the area of project management. Areas may include: quality management, case studies, computer applications and selection, technology, simulation exercises (Arousal, Bicep), recent developments, change management, ethics, panel discussions, research presentations. Some of these topics will be covered by guest speakers from industry or presented in seminars.

Courses: CN64, CN77, CN81
Credit Points: 6  Contact Hours: 2 per week

■ CNP431 PROJECT MANAGEMENT
Introduction to the theory of project management in the ar­ eas of communication, management and organisation as it applies to the project situation. Communication; proc­ ess, skills, environment, applications; management theory and organisation theory. Negotiation. Project team building. Motivation theory. Construction and project leadership. Change. Strategic management and planning. Personnel. Decision-making strategies. Stress manage­ ment. A series of case studies will be used to integrate the issues.

Courses: CN64, CN77, CN81
Credit Points: 12  Contact Hours: 2 per week

■ CNP433 PROJECT MANAGEMENT LAW
Introduction to the legal system; contract law; elements of contract; contents of valid contract; legal issues and problems associated with project management contracts; arbitration; property law; international law; planning law.

Courses: CN64, CN77, CN81
Credit Points: 12  Contact Hours: 2 per week

■ CNP434 TIME MANAGEMENT
Use of planning techniques for project control: effective planning; PERT; CPM; bar charts and line of balance; arrow networks; precedence networks; time and cost control; resource control and levelling; computer software; control and reporting techniques. Emphasis is on the development of practical skills, based on estab­ lished theory, immediately applicable to the project management or development industry.

Courses: CN64, CN77, CN81
Credit Points: 6  Contact Hours: 2 per week

■ CNP437 FIELD TRIP
An experiential field trip in an adventure-style environment. The emphasis is on team building, working in a stressful environment, communication skills, personal discovery and extension and building trust and relationships. The activities will be orientated to achieving greater awareness of and competence in the above areas. Students are required to contribute towards the cost of this externally offered unit.

Courses: CN64, CN77, CN81
Credit Points: 6  Contact Hours: 4 days

■ CNP438 REAL ESTATE INVESTMENT ANALYSIS
Investment principles, characteristics, goals and strategies; investment alternatives, property investments and evaluation techniques; current property investment market in Australia; basic risk and return measures and fi­ nancing; time value of money concepts, PV, FV, PMT, and dual rates; cashflow models and partial interests; NPVs and IRRs and their applications; cash flow assumptions and rates of return; practical cash flow applications and spreadsheets; financial feasibility study models; tax issues related to property investment; prop­ erty type selection.

Courses: CN64, CN77, CN81
Credit Points: 6  Contact Hours: 2 per week

■ CNP439 PROPERTY MANAGEMENT
The motivation, instrumentation and application of prop­ erty management for commercial and industrial real estate, including lease construction, rental valuations, rent review, review types, budgeting, ongoings and physical management. Trends and prospects.

Courses: CN64, CN77, CN81, P569
Credit Points: 6  Contact Hours: 2 per week

■ CNP667 APPLIED COMPUTING
The application of computer programs in the financial and physical management process of property development, property management and investment.

Courses: CN64, CN77, CN81
Prerequisite: CNB363
Credit Points: 6  Contact Hours: 2 per week

■ COB001 COMMUNICATION SKILLS I
A course in English language skills for organising, writ­ ing and presenting in Australian academic contexts. Students gain practical experience in writing and presenting reports and seminars as well as essays, letters, memos. Special emphasis is given to clear appropriate expression, logical organisation and relevant content.

Prerequisites: IELTS of 6.0 but not more than 6.5 or equivalent
Credit Points: 12  Contact Hours: 3 per week

■ COB002 PROFESSIONAL COMMUNICATION
Communicating successfully orally and in writing in professional situations. An understanding of the concepts and skills required for effective formal reporting and
The principles of, and strategies for, writing effective technical documents. Practical understanding of written language: organizing ideas, and presenting those ideas in a cohesive text using generic features appropriate to the technical professions.

**Courses:** BS30, AR48, AR41, SV34

**Credit Points:** 6  
**Contact Hours:** 2 per week

**COB003 PROFESSIONAL WRITING**

**COB004 PROFESSIONAL WRITING AND LEARNING AT UNIVERSITY**

The principles of, and strategies for, writing effective technical documents. Practical understanding of written language, organizing ideas, presenting ideas cohesively using appropriate generic features. Developing effective learning strategies. Planning and controlling knowledge acquisition effectively.

**Courses:** CN41, CN31, CN32, CN33, CN43

**Credit Points:** 8  
**Contact Hours:** 1.5 per week

**COB005 TECHNICAL AND SCIENTIFIC WRITING**

The development of writing skills for scientists and technical professionals, based on a practical and theoretical understanding of scientific and technical discourse.

**Credit Points:** 12  
**Contact Hours:** 3 per week

**COB006 COMMUNICATION SKILLS II**

Principles and strategies that enable students who have reached an English Language level equivalent to IELTS 6.5 to cope with the rhetorical demands of academic written and spoken communication within the university culture.

**Prerequisites:** IELTS 6.5 or equivalent

**Credit Points:** 12  
**Contact Hours:** 3 per week

**COB007 INTERPERSONAL COMMUNICATION**

The principles of, and strategies for, effective interpersonal communication.

**Courses:** ME35, PU48

**Credit Points:** 8  
**Contact Hours:** 2 per week  
**Incompatible with:** COB164

**COB170 BUSINESS COMMUNICATION**

The way in which electronic production and transmission is complementing traditional methods of communication in organisations.

**Courses:** ED50

**Credit Points:** 12  
**Contact Hours:** 3 per week

**COB171 COMMUNICATION TECHNOLOGY**

Concepts and applications of communication technology which impact on information processing and communication in organisations.

**Courses:** ED50

**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB118

**COB172 RECORDS MANAGEMENT**

The paper-based and electronic records and information systems operating within and between organisations; the impact that changes in communication technology have had on these systems.

**Courses:** ED50

**Credit Points:** 12  
**Contact Hours:** 3 per week

**COB173 TEXT FORMATTING**


**Courses:** ED50

**Credit Points:** 12  
**Contact Hours:** 3 per week

**COB200 BUSINESS COMMUNICATION AND TECHNOLOGY**

Extends the professional education of teachers of Secretarial Studies and provides an opportunity to broaden knowledge of concepts and application of technology, its impact on functions, procedures and supervisory practices in organisations.

**Courses:** ED26

**Credit Points:** 12  
**Contact Hours:** 3 per week

**COB201 COMMUNICATION FOR DIVERSITY: GENDER AND ETHNICITY IN THE WORKPLACE**

This unit focuses on issues of gender and ethnicity in the workplace. Students examine the cultural context of the Australian workplace so that they can identify barriers to effective communication for working in and managing a diverse workforce. By analysing barriers and conditions which impinge on full participation of women in the workforce, and on people of different cultural backgrounds, they are encouraged to develop effective communicative strategies to deal with difference. Using the concept of diversity as a stepping off point, the subject will also focus on managing effective intercultural communication.

**Courses:** BS50, BS56  
**Prerequisites:** BSB115 or 96 credit points of approved prior study

**Credit Points:** 12  
**Contact Hours:** 3 per week

**COB203 COMMUNICATION RESEARCH METHODS**

The research methods dealt with include observation, group discussions, experimental studies, qualitative research and survey research. Special applications for communications research are considered and ethical issues discussed. Students will carry out projects using some of these methods, carry out elementary statistical procedures, analyse the results, and present their conclusions.

**Courses:** BS50, BS56  
**Prerequisites:** COB216

**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB159, MKB112

**COB204 COMMUNICATION TECHNOLOGY FOR ORGANISATIONS**

The unit examines the process of adoption and implementation of new communication technologies within national and international business organisations. In particular, students will examine the role of the new communication technologies in managing and changing communication relationships within and between organisations.

**Courses:** BS50, BS56  
**Prerequisites:** BSB112

**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB123, COB209, COB118, COB204

**COB205 GROUP COMMUNICATION: THEORY AND PRACTICE**

This unit offers exploration and practice in interpersonal and communication skills such as listening, assertion and negotiation. Business and media interviewing and small group communication in organisational settings provide the focus for study. Interpersonal and group communication theory is a theoretical base for analysing communication performance. Students practice problem-solving strategies by rehearsing vocational situations.

**Courses:** BS50, BS56

**Credit Points:** 12  
**Contact Hours:** 3 per week

**COB206 INDEPENDENT STUDY**

An opportunity for advanced level undergraduate stu-
Students to undertake individual research in an area which is complementary to their course work.

Courses: BS50, BS56
Credit Points: 12 Contact Hours: 3 per week

COB207 INTEGRATED MARKETING COMMUNICATION
In past decades many marketers separated the various marketing and promotional functions. They planned and managed them separately with separate budgets, separate goals and objectives, and separate views of the market. Today many companies recognise the concept of integrated marketing communications which coordinates the various promotional elements along with other marketing activities that communicate with customers. Integrated marketing communications requires a ‘total’ approach to planning marketing and promotion programs and coordinating communication functions.

Courses: BS50, BS56
Credit Points: 12 Contact Hours: 3 per week

COB208 INTERCULTURAL COMMUNICATION AND DIVERSITY
This unit introduces the student to intercultural communication and diversity issues. It shows how enhanced appreciation and sensitivity to these issues can help an organisation improve morale, profitability and productivity. It relates the consequences to economic and global issues. The unit shows how the individual can appreciate differences and even find a career in the specialty that cuts across organisations, countries and cultures.

Courses: BS50, BS56
Prerequisites: BSB115 and BSB114 or 96 credit points of approved prior study
Credit Points: 12 Contact Hours: 3 per week

COB209 ISSUES IN COMMUNICATION TECHNOLOGY
The impact of communication technology on work structures and job design; the social issues resulting from its adoption and implementation.

Courses: ED50
Credit Points: 12 Contact Hours: 3 per week

COB211 MASTERING THE INFORMATION ENVIRONMENT
This unit introduces students to the central importance of information-gathering and information-processing behaviours in business settings. Grounded in social psychological theory, the subject encourages students to develop understanding and critical insights concerning their own information-gathering-processing behaviours. Also addressed are information-gathering and processing behaviours as key coping strategies as individuals interact, and seek control over, their business and social environments. The particular information needs of business in emergent electronic environments are also addressed.

Courses: BS50, BS56
Prerequisites: BSB112 or 96 credit points of approved prior study
Credit Points: 12 Contact Hours: 3 per week

COB212 OFFICE PROCEDURES
Communication technology and its impact on functions and operational procedures in offices.

Courses: ED50
Credit Points: 12 Contact Hours: 3 per week

COB213 STRATEGIC SPEECH COMMUNICATION
This unit is based in rhetorical and group communication theory and informed by a knowledge of semiotics, specifically the way sign systems both create and interpret social meaning. Through these theories it introduces students to a fuller understanding of the verbal and non-verbal languages of communication. Theory and practice are interrelated to develop understanding and self-reflexivity within students concerning their own communication skills. This approach has the intention of guiding them to become effective persuaders, opinion leaders, and facilitators of both creative problem-solving and conflict management in groups within the workplace.

Courses: BS50, BS56
Prerequisites: BSB117 or 48 credit points of approved prior study
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: COB134

COB214 SUPERVISED PROJECT
An individual research project investigating an approved aspect of communication technology.

Courses: ED50
Credit Points: 12 Contact Hours: 3 per week

COB215 SUPERVISION AND ADMINISTRATION
The impact of technological change on the supervision and administrative practices as they relate to communication processes in organisations; the role and duties of supervisory and administrative personnel in information processing; the impact of the technology on these roles and duties.

Course: ED50
Credit Points: 12 Contact Hours: 3 per week

COB216 THEORETICAL PERSPECTIVES ON COMMUNICATION
This course surveys the intellectual foundations of the communication discipline and provides an introduction to sophisticated and systematic explanations of communication and its consequences. Applications to the problems and opportunities encountered in the areas of organisational communication, public relations and advertising will be stressed.

Courses: BS50, BS56
Prerequisites: BSB115, BSB114
Credit Points: 12 Contact Hours: 3 per week

COB217 WRITING FOR THE COMMUNICATION PROFESSIONS
This unit builds on students’ intuitive understanding of how words work and equips them to work as writers and editors with a command of language structure and style.

Courses: BS50, BS56
Prerequisites: BSB117 or 48 credit points of approved prior study
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: COB138

COB300 ADVANCED ADVERTISING
An expansion and addition of theoretical perspective and skills gained in the prerequisite units. The course places an emphasis on application of these perspectives to solving advanced advertising problems and the use of both basic and advanced tools in these solutions.

Courses: BS50, BS56
Prerequisites: COB308 and COB305 or COB317
Credit Points: 12 Contact Hours: 3 per week

COB301 ADVANCED COMMUNICATION PRACTICE
This unit will draw on a broad range of theories of communication which have informed student development to this point. This knowledge can be used as background for student projects which are relevant to public relations, advertising and organisational communication. The theo-
cies of rhetoric, semiotics, group dynamics and interpersonal communication will be foregrounded as those theories which particularly contribute to an understanding which develops expertise in the speech presentation area.

Courses: BS50, BS56
Prerequisites: COB213 or 96 credit points of approved prior study
Credit Points: 12
Contact Hours: 3 per week

**COB302 ADVANCED INTEGRATED MARKETING COMMUNICATION**

The unit develops the theoretical basis of integrated marketing communication in an applied framework. Students develop integrated marketing communications plans for real organisations and present these plans with recommendations for implementation.

Courses: BS50, BS56
Credit Points: 12
Contact Hours: 3 per week

**COB303 ADVERTISING CAMPAIGNS**

Students will be briefed to prepare and present three advertising campaigns. The subjects of these campaigns will be drawn from actual industry marketing situations.

Courses: BS50, BS56
Prerequisites: COB306, COB304
Credit Points: 12
Contact Hours: 3 per week

**COB304 ADVERTISING COPYWRITING**

This unit is an important base for further study in advertising. Students are introduced to the principles, theory, and practice relating to the creation of advertisements. The role of the copywriter in the advertising process is examined as is the relationship between copy and art. Practical work involves the writing, setting and presentation of copy for print advertising for manufacturers, service industries and the retail sector. Case briefs for assignments are presented to students by advertisers or advertising agency executives. Finished presentations are then made to these specialists.

Courses: BS50, BS56
Prerequisites: COB306, COB217
Credit Points: 12
Contact Hours: 3 per week

**COB305 ADVERTISING COPYWRITING - ELECTRONIC**

The unit consists of a series of lectures, tutorials, and practical assignments designed to develop appreciation of the specific theoretical and production factors concerning advertising copywriting involved in television, radio and industry related to audio visual presentations.

Courses: BS50, BS56
Prerequisite: COB304
Credit Points: 12
Contact Hours: 3 per week

**COB306 ADVERTISING MANAGEMENT**

The purpose of this unit is to provide the students with an understanding of the managerial side of the advertising profession and to equip them with the tools they need to make executive decisions in advertising. Students will examine the process of setting appropriate advertising objectives, designing a program of advertising research, the social environment and regulation of advertising, managerial participation in the creative and media planning process, account management in an advertising agency, client-company management and the advertising process, completing theoretical concepts of ‘how advertising works’.

Courses: BS50, BS56
Prerequisites: COB308, COB203
Credit Points: 12
Contact Hours: 3 per week

**COB307 ADVERTISING REGULATION AND ETHICS**

The unit introduces students to and familiarises them with the various laws, regulations, standards, and codes which apply to all forms of advertising in Australia. Students will examine selected contentious advertisements, some of which have been found to breach the current laws and self-regulation codes. They will also examine the guidelines of the Trade Practices Commission with respect to current topical claims made in advertising, e.g. ‘environmentally friendly’, ‘made in Australia’, ‘price’ and general comparative claims. The unit will also cover specific problems in relation to advertising claims made in respect of certain ‘products’ e.g. food, real estate and credit.

Courses: BS50, BS56
Prerequisite: COB308
Credit Points: 12
Contact Hours: 3 per week

**COB308 ADVERTISING THEORY AND PRACTICE**

This subject serves as an introduction to later units in the communication course, and is a prerequisite for further advertising units. It is also a useful elective unit for management and accounting students. The principles of advertising give students an overview of the advertising industry. The unit traverses the interrelationship of the institutions of advertising, the advertisers, the advertising agencies, and the media. It details methods of determining advertising budgets, establishing target audiences, interpreting audience ratings, and circulation figures, and enables students to gain a preliminary understanding of the creative functions of the advertising industry. It also shows the ethical and legal side of advertising and its important role in today’s society.

Courses: BS50, BS56
Prerequisites: COB216 or 96 credit points of approved prior study
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB116

**COB309 APPLIED COMMUNICATION RESEARCH**

This unit follows up the Research Unit. Students demonstrate that they understand and can integrate communication principles used in the specialisations of organisational communication, public relations and advertising, through a wide variety of contexts, situations and problems. They participate in and present a project that demonstrates an understanding of applied communication research in designing communication responses to problems in local, national and international organisations. In addition, they will analyse a broad range of applied communication projects through national and international case studies. In effect, the unit highlights how communication challenges arise through competing interests of various publics and how effective messages, written texts, speeches, media presentations and campaigns have the capacity to impact on society.

Courses: BS50, BS56
Prerequisite: COB203
Credit Points: 12
Contact Hours: 3 per week

**COB310 COMMUNICATION ISSUES**

The unit examines the social structure and dynamics that influence the individual’s perception and decoding of messages; attitude formation; consumer choice; behaviour change; and responses to professionally mediated communication. It uses a changing range of contemporary issues as a focus of applied theory. The course raises student awareness of contemporary issues that shape and respond to social practice, explaining how to track the emergence and development of these issues. A major focus of the unit involves a specific examination of the impact of communication technology on social discourse. The unit culminates in the creation of a theoretical base for the appropriate targeting of messages in the practice of public relations, advertising and organisational communication.

Courses: BS50, BS56
This unit explores interpersonal and presentational communication skills and how these interact with, and influence, attitudes and behaviours within organisations. It also looks at the concept and realities of power in organisational life. Theoretical bases of rhetoric, semantics, and interpersonal communication will be foregrounded as they contribute to an understanding of strategic communication in a variety of workplace contexts. Theory and practice of different genres of spoken communication will be examined to develop understanding and self-reflexivity within students. Topics relating to organisational communication, public relations and advertising will inform content, practice and assessment.

Courses: B550, B556
Credit Points: 12
Contact Hours: 3 per week

Incompatible with: COB158

**COB312 COMPUTER MEDIATED COMMUNICATION**

Information access and distribution; organisational networks; computerised text analysis and style replications; the human-machine interface and interpersonal relationships.

Courses: B550, B556
Credit Points: 12
Contact Hours: 3 per week

**COB313 CONSULTING FOR THE COMMUNICATION SPECIALIST**

This unit identifies and critically analyses organisational communication issues through planning a course of action; using research to monitor change; applying problem-solving skills. It is tailored for students who have completed most of the organisational communication major and is designed as an advanced level preparation for employment in the field. The student defines, analyses and makes recommendations to resolve a communication difficulty or problem that is relevant to an organisation. It requires that the student make pragmatic connections to a real issue.

Courses: B550, B556
Prerequisites: COB203, COB318
Credit Points: 12
Contact Hours: 3 per week

Incompatible with: COB102

**COB314 CORPORATE WRITING AND EDITING**

This unit deals with current principles and practices in writing corporate documents. Students will develop an understanding of language and style to allow them to make the sophisticated rhetorical choices necessary in professional writing and publishing. Topics covered include the content, style and presentation of corporate documents, reader considerations and influences of new technology on corporate culture.

Courses: B550, B556
Prerequisites: COB217 or 96 credit points of approved prior study
Credit Points: 12
Contact Hours: 3 per week

**COB315 DIRECT RESPONSE ADVERTISING**

This unit builds upon the underlying philosophies and practice of direct marketing and direct response advertising in its various forms. A major focus will be on the creative aspects of direct marketing and direct response advertising including developing creative strategies, copywriting, effective direct response ads, and applying appropriate techniques. Skills in the appropriate areas will be taught and practised. There is a considerable emphasis on practical work.

Courses: B550, B556
Prerequisite: COB306
Credit Points: 12
Contact Hours: 3 per week

**COB316 GOVERNMENT AND FINANCIAL RELATIONS**

Standards of social responsibility and public accountability in organisations and society. Through the presentation of case studies in financial and government relations, students develop an understanding of problem definition, the planning and implementing of public relations programs, and the communication strategies designed to solve specific problems.

Courses: B550, B556
Credit Points: 12
Contact Hours: 3 per week

**COB317 MEDIA PLANNING**

Topics of study include the following: costing and scheduling media, qualitative and quantitative factors affecting media selection and use, market targeting, researching the media plan, planning media strategy, coordinating media, media options, concepts of media decision-making, media exposure, media comparisons, media trends, and the computer.

Courses: B550, B556
Prerequisite: COB306
Credit Points: 12
Contact Hours: 3 per week

**COB318 ORGANISATIONAL COMMUNICATION**

This unit identifies and explores a range of issues of importance in organisations: organisational culture, power and politics, influence strategies, organisational change, managing diversity, including issues of gender and intercultural communication, issues of technology and ethics. Both traditional and critical perspectives on managing communication will be explored.

Courses: B550, B556
Credit Points: 12
Contact Hours: 3 per week

**COB319 PRINCIPLES OF DIRECT MARKETING**

This unit focuses on the basic principles and practices of direct marketing and its role in the marketing mix. The unit matter will cover the essential elements of direct marketing with emphasis on direct mail. Telemarketing, direct response advertising, fund-raising, database marketing, financial considerations, and legal and ethical issues will be covered. Emphasis will be given to the practical elements of direct marketing and hence a number of field visits are incorporated in this unit to ensure the appropriate skill mix is learnt.

Courses: B550, B556
Credit Points: 12
Contact Hours: 3 per week

**COB320 PROFESSIONAL ADVERTISING PRACTICE**

This subject places students in an industry environment where they are required to work in the four major areas of advertising: advertising management, production, creative and media planning. Students are required to write a report and relate their experience in an advertising agency to the course they have undertaken at QUT.

Courses: B550, B556
Prerequisites: COB309
Credit Points: 12
Contact Hours: 3 per week

**COB321 PROFESSIONAL PUBLIC RELATIONS PRACTICE**

Students must undertake 160 hours of field experience within a relevant public relations function in an organisation or consultancy. Seminars are conducted before and after the work experience to prepare the students for the work environment and to analyse the work experience.

Courses: B550, B556
Credit Points: 12
Contact Hours: 3 per week
■ COB323 PUBLIC RELATIONS CAMPAIGNS
This is a specialist public relations unit allowing students to implement the tactical subjects taken throughout the public relations course, in a strategic and focused manner. It is practice-based and the lecture program consists of topics covering client relations, use of research, objectives-setting, the managing of campaigns, problem-solving, planning and organising special events and media relations. Specialist practitioners are invited to impart their experience in the field. The major assignment is a campaign for a community organisation which is conducted with students working in small groups.
Courses: BS50, BS56
Prerequisites: COB324, COB309
Credit Points: 12 Contact Hours: 3 per week

■ COB324 PUBLIC RELATIONS ISSUES & STRATEGIC PLANNING
The subject consists of four modules: public relations in the context of strategic management; the issues management triad: government, business and community; strategic public relations research; and strategic public relations planning.
Courses: BS50, BS56
Prerequisites: COB324, COB203
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MKB133

■ COB325 PUBLIC RELATIONS THEORY & PRACTICE
This subject introduces the theory and practice of public relations. The history, theories, models and management of public relations activities and processes are covered, including methods of communicating with different groups within society. Students are introduced to areas of specialisation including employee relations, corporate identification development, community relations, financial relations, media liaison and government relations.
Courses: BS50, BS56
Prerequisites: BS517, COB216 or 96 credit points of approved prior study
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MKB124

■ COB326 PUBLIC RELATIONS WRITING
This subject develops students' abilities to plan, write and manage written and oral communication in the public relations context. It builds on earlier writing subjects to enable students to respond to specialist communication settings, media and audiences, increasing their ability to evaluate communication requirements and their flexibility in meeting these varying requirements. The subject offers a broad perspective on organising and developing writing functions in corporate settings, particularly with respect to corporate speechwriting and house newsletters and magazines, as well as providing the opportunity to advance public relations writing abilities.
Courses: BS50, BS56
Prerequisite: COB327
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MKB120

■ COB327 PUBLICATION MANAGEMENT
This subject analyses the steps involved in communicating in print and managing this process. It focuses on the role of the communication consultant to negotiate tension between a client's specifications and an audience's requirements, and oversee the management of resources to produce a tangible print product, as a valuable element in a communication program. The subject offers students the opportunity to produce a 'real life' brochure for a client. Desktop publishing training is an adjunct to this subject, and is required for assignments.
Courses: BS50, BS56
Prerequisites: COB329
Credit Points: 12 Contact Hours: 3 per week

■ COB328 PUBLICITY AND PROMOTION - ELECTRONIC
Production skills in video as they apply to public relations in organisations. Students produce a video news release for a client organisation. This includes scripting, preparing and production management. Techniques for producing and placing community service announcements are explored.
Courses: BS50, BS56
Credit Points: 12 Contact Hours: 3 per week

■ COB329 PUBLICITY METHODS
This subject focuses on the tools and methods public relations practitioners use to obtain publicity for their organisation or client. Students are taught to write media releases, media alerts and material for media kits for both print and electronic media. Integral to all elements of the subject is the identification of newsworthiness and how this differs for different audiences and media. The students work 'hands on' in tutorials with various scenarios. "Real World' clients are used for student assessment.
Courses: BS50, BS56
Prerequisites: COB217, COB325
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MKB129

■ COB330 SPECIAL TOPIC - COMMUNICATION
This unit allows students to undertake studies in a special area of interest in the field of communication. Courses: BS50, BS56
Credit Points: 12 Contact Hours: 3 per week

■ COB332 ISSUES IN PUBLISHING
The processes involved in book and magazine publishing; changing media habits and literacy skills of consumers; the impact of technology and business; strategic positioning; editorial concepts and steps in production.
Courses: BS50, BS56
Prerequisites: COB217 or 96 credit points of approved prior study
Credit Points: 12 Contact Hours: 3 per week

■ COB333 PUBLICITY AND PROMOTION - PRINT
This subject focuses on communication with the print media. Students are given the background, techniques and skills needed to work with newspapers, magazines and trade press. Producing and evaluating communication materials such as news releases, features and media kits form the core of the subject. Guest lecturers join the class to discuss aspects of media relations, news photography and publicity planning.
Courses: BS50, BS56
Credit Points: 12 Contact Hours: 3 per week

■ CON001 PROFESSIONAL COMMUNICATION
Oral and written presentation. Structuring reports, and oral presentations. Improving cohesion, clarity and style. Integrating written and oral communication.
Course: PS67
Credit Points: 4 Contact Hours: 2 per week

■ CON400 ADVANCED COMMUNICATION MANAGEMENT
Allows students, after an exposure to the diverse field of communication, to review aspects of this field in depth. Current issues in the theory and practice of human communication. Student and lecturing staff use the various perspectives, theories and applications explored in the program to consider the management of commu-
communication programs and systems.

**Courses: BS93, BS88**

Credit Points: 12  Contact Hours: 3 per week

Incompatible with: CON103

- **CON401 ADVANCED ORGANISATIONAL COMMUNICATION**

Organisational communication focuses how people relate with each other in modern organisational settings, from small businesses to multi-national organisations in the public and private sector. Drawing together theories of communication as they apply to workplace settings, the subject provides the opportunity to analyse and reflect on the role of communication in constructing the conditions for achieving productivity for organisations and rewards for employee participation.

Courses: BS93, BS88  Credit Points: 12  Contact Hours: 3 per week

Incompatible with: CON102

- **CON402 CASE STUDY DEVELOPMENT**

This unit teaches the individual how to develop an effective and provocative case study. The development consists three phases: (a) researching and analysing, (b) writing and strategically preparing, and (c) presenting. The case study development enhances the individual’s critical thinking and builds one’s presentational skills. The person will research a business, industry, or campaign to identify the critical problems or innovative solutions. Based on the research, the person will construct a report that emphasizes significant issues. The report will incorporate appropriate presentational formats to highlight the issues.

Courses: BS93, BS88  Prerequisites: CON406 or CON420  Credit Points: 12  Contact Hours: 3 per week

- **CON403 COMMUNICATING BREAKTHROUGH SERVICE**

Breakthrough service goes beyond merely ‘good’ service to reach the point of ‘having no second’ as a competitor. The world’s best practice companies reach this point and become the benchmark for their respective industries. This course shows individuals the relationship between breakthrough service and increased profit, productivity and morale. The course demonstrates how the organisation can communicate the importance of profitability related to service, customer satisfaction that makes a difference, corporate cultures that motivate employees to engage in breakthrough service, and corporate values that lay the foundation for breakthrough service.

Courses: BS93  Credit Points: 12  Contact Hours: 3 per week

- **CON404 COMMUNICATION PRACTICE FOR PROFESSIONALS**

This unit covers key theoretical principles and practical applications of presentation and writing skills in the workplace. Topics include theories of language and communication, structuring and designing for an audience, analysis of documents and speech presentations, managing and mentoring the writing and presentation skills (including media interviews) of staff, and preparation for staff training and consulting in these roles.

Courses: BS88  Credit Points: 12  Contact Hours: 3 per week

Incompatible with: COB217, COB213

- **CON405 COMMUNICATION PROJECT**

Students in the coursework Masters program undertake a study of an applied or theoretical communication issue. This will be based on the published literature and may also involve primary research. Students may wish to undertake a study of a communication issue or problem in a particular organisation or industry. Project supervision will be arranged by the Course Coordinator through consultation with the student and available staff members. The report should be of approximately 7,000 words.

Course: BS88  Credit Points: 24

- **CON406 COMMUNICATION STRATEGIES**

Communication theory put into practice. Examples of policy and plans; how to produce the appropriate change through communication. The ethics of persuasion and the problems of cooperation explored in the process of policy formation and planning. Students take into account the social implications of producing change, the role of the change agent and ways to monitor the effects in Australia as well as developing societies.

Courses: BS93, BS92, BS93, BS88  Prerequisites: Undergraduate degree in Communication or CON420  Credit Points: 12  Contact Hours: 3 per week

Incompatible with: CON101

- **CON407 COMMUNICATION TECHNOLOGY AND GLOBAL NETWORKS**

This unit examines the technical principles and organisational features of contemporary and emerging communication technologies, and specifically focuses on global networks used for interpersonal and inter-organisational purposes within national and international communities. Theories of planned and unplanned change are applied to assess the social and economic impact of these technologies. Among the topics to be addressed are information society, participatory forms of social change, the integration of interactive media through the global transmission of data in digital form, and the organisational applications of high-definition video.

Courses: BS63, BS88, BS92, BS93  Credit Points: 12  Contact Hours: 3 per week

Incompatible with: CON401

- **CON408 CRISIS COMMUNICATION**

This subject examines the strategic management of crisis communication including pre-crisis planning, issues identification, audience prioritisation, strategy formulation, tactical planning and implementation and evaluation. The subject covers both internal and external communication during times of crisis. Pre-crisis issues management will be addressed as well as proactive and defensive communication strategies during crisis. The subject will demonstrate the application of general communication tools to a specialised area.

Courses: BS93  Credit Points: 12  Contact Hours: 3 per week

- **CON409 FINANCIAL COMMUNICATION**

The unit reviews all aspects of the public relations function in communicating with financial markets. Specific focus is placed on how publicly listed companies meet both regulatory and marketing requirements in communicating with external audiences. Suitable communication tools will be examined for use in ongoing investor relations programs as well as in specialist situations including financial communication during takeover and capital raising periods.

Courses: BS88, BS93  Credit Points: 12  Contact Hours: 3 per week

- **CON410 INTERPERSONAL COMMUNICATION AND NEGOTIATION**

This unit explores the theory and practice of interpersonal communication and negotiation. It focuses on the role of interpersonal and group skills in the development of effective work teams. Current understandings of the dynamics of power and participation in communication.
processes in organisations will be used to contextualise the experience of the individual and the group. An analysis of the possibilities of, and the constraints on, effective interpersonal communication will be undertaken to provide the opportunity for students to develop strategies to support workplace practice.

Course: BS88
Credit Points: 12  Contact Hours: 3 per week

CON411 INDEPENDENT STUDY UNIT
An opportunity for advanced postgraduate students to undertake individual research in an area which is complementary to their course work.

Course: BS73

CON412 INTERNATIONAL ADVERTISING
The unit considers the assertion by Levitt that companies should globalise marketing and advertising strategies by applying the same strategy in all foreign and domestic markets. This viewpoint is contrasted by theorists such as Kashani, and Murrow, who suggest that a number of factors necessitate the development of separate strategies in some international advertising situations. Issues of international advertising will be discussed, including regulatory requirements for comparative advertising, children’s advertising, media availability and local production considerations.

Course: BS88
Credit Points: 12  Contact Hours: 3 per week

CON413 ISSUES IN INTERCULTURAL COMMUNICATION
This unit addresses issues which are related to: culture as a determinant of human behaviour (stereotypes, typifications and human uniqueness); the dynamics of intercultural contact for interpersonnel cooperation and/or competition; the implications of cultural diversity for societal enrichment or disintegration; the consequences for self identity and interconnected world.

Courses: BS88, BS93
Credit Points: 12  Contact Hours: 3 per week

CON414 PUBLIC COMMUNICATION CAMPAIGNS
This unit explores the scope and context of public communication campaigns - how they are constructed, their assumptions and research methods underpinning them, and asks students to consider whether campaign planning and evaluation is as effective as it might be. The unit also explores community activities to develop a public issue, and community consultation as a process.

Courses: BS88, BS93
Credit Points: 12  Contact Hours: 3 per week

CON415 PUBLIC RELATIONS MANAGEMENT
This unit provides an understanding of the theory and practice of public relations. The history, theories, models and management of public relations activities and processes are covered including methods of communicating with different groups within society. Students will explore areas of specialisation including issues management, community consultation, crisis management, community relations, media liaison and government relations.

Course: BS88
Credit Points: 12  Contact Hours: 3 per week

CON416 READINGS IN COMMUNICATION
This unit provides students with the opportunity to explore in depth the literature on a particular topic or area of communication under the direction of a supervisor. The readings should integrate and consolidate aspects of the studies undertaken in the course to date. Students are required to meet regularly with the supervisor for discussion and advice and to submit a paper of 3 500 to 4 000 words at the end of semester.

Course: BS93
Prerequisites: CON418 or CON413 or CON409
Credit Points: 12  Contact Hours: 3 per week

CON417 SEMINAR IN ADVERTISING MANAGEMENT
This unit empowers students to make effective management decisions within the advertising process. It examines the setting of advertising objectives, and the need for coordination of these with marketing, communication and organisational objectives. It develops a sound understanding of advertising regulations and ethics, budgeting, research and campaign coordination. Further examines management’s participation in the creative, media and production processes, and the contribution of advertising management to the cohesion and creativity of the agency.

Course: BS88
Credit Points: 12  Contact Hours: 3 per week

CON418 SEMINAR IN MEDIA STRATEGY
One of the ultimate determinants of the effectiveness of any advertising campaign is the media strategy. This unit examines ways to improve efficiency in media planning, buying, coordination and research. It examines concepts of media decision making, market targeting through the creative use of media, and strategic planning. It explores current media campaigns, and encourages the development of a more creative and integrated approach to media.

Courses: BS88, BS93
Credit Points: 12  Contact Hours: 3 per week

CON419 STRATEGIES FOR CREATIVE ADVERTISING
This unit develops the implications arising from current theories of creative advertising. The unit requires students to develop an advanced applied and theoretical perspective of creative strategy. Areas for advanced discussion include the development of a creative process versus the concept of ‘illumination’, creative verification, and the use of appeals and execution styles, and how they affect the creative impact of a campaign or advertisement, and the message development of the communication process.

Courses: BS88, BS93
Credit Points: 12  Contact Hours: 3 per week

CON420 THEORIES OF HUMAN COMMUNICATION
This course surveys the intellectual currents that inform the communication discipline. As communication is a multidisciplinary study, a wide range of theories, methods and contexts will be covered. This course will provide a foundation for understanding communication in a sophisticated and systematic way, and will apply that understanding to real-life business situations.

Course: BS88
Credit Points: 12  Contact Hours: 3 per week

CON421 SEMINAR IN INTEGRATED MARKETING COMMUNICATION
Students will be developing the theoretical concepts of integrated marketing communication in a practical environment. Issues include budgeting, planning and evaluation of integrated marketing communication programs.

Courses: BS85, BS61
Prerequisites: 48 credit points of approved prior study.
Credit Points: 12  Contact Hours: 3 per week

CON422 LANGUAGE AND POWER
This largely theoretical unit adopts a discourse approach to language. That is, the unit assumes that language is
fundamental in shaping relations of power through its constructive effects in shaping social and individual identity and its constitutive effects in presenting reality in particular culturally specific ways. The unit initially develops a theoretical understanding of how language use differs in various sites according to the participants, the context and the focus of activity for which the language is being used. From this, students are introduced to a variety of discourse analysis methods such as Speech Act Theory, Sociolinguistics and Conversation Analysis. Courses: BS72, BS92, BS93 Credit Points: 12 Contact Hours: 3 per week

■ CON423 ADVANCED CORPORATE WRITING
This unit deals with current principles and practices in writing and designing corporate documents both on paper and online. Topics covered include the content, style and presentation of corporate documents such as memos, letters, reports, proposals, submissions, job portfolios, organisational policy and procedural manuals, and newsletter articles. Emphasis is placed on the politics of corporate writing, and the influence of new technologies such as Email on corporate culture. Courses: BS72, BS92, BS93 Credit Points: 12 Contact Hours: 3 per week

■ CON424 PUBLIC RELATIONS METHODS
This unit examines theories underpinning mass media and links these with the practice of public relations media tactics. Students analyse techniques and skills used in liaison with electronic media, print media, trade media and news media. Producing and evaluating communication materials such as news releases, features and media kits forms an important part of the unit. Students will develop strategic thinking through analysis of contemporary media case studies. Courses: BS88 Credit Points: 12 Contact Hours: 3 per week

■ CON500 RESEARCH METHODS
The purpose of this study is to provide students with a range of ideas and methods that will enable them to analyse, evaluate and conduct research in discipline areas related to business. It provides an essential and basic preparation for the development of a thesis or dissertation proposal. Areas of study cover both qualitative and quantitative approaches and include: research paradigms; analysis and criticism; research design; data collection; data manipulation and interpretation; and presentation. Courses: BS63, BS92 Credit Points: 12 Contact Hours: 3 per week

■ CON501 RESEARCH SEMINAR
Designed to prepare students for writing their thesis; group instruction in techniques of thesis writing and what is involved in preparing a literature review and thesis proposal. Students choose a topic, have it approved and choose a supervisor under whose guidance they will undertake a literature review. Courses: BS63, BS92 Corequisite: CON500 Credit Points: 12 Contact Hours: 3 per week Incompatible with: BSP102

■ CPB330 ABORIGINAL & TORRES STRAIT ISLANDER EDUCATION POLICY
Historical, economic, social factors influencing the position of Aborigines and Torres Strait Islanders; cultural factors and educational policies and programs; development of policies and programs appropriate for these people. Courses: ED37, ED50, ED51, ED52, ED54 Credit Points: 12 Contact Hours: 3 per week

■ CPB331 ASIAN culture & EDUCATION
Provides pre-service teachers with knowledge and skills for working in the Asian context of Australian education. Content includes: cultural forms in Asia; contemporary socio-political developments; past and present educational strategies; promoting informed Asian awareness in curriculum and classrooms. Courses: ED37, ED50, ED51, ED52, ED54 Credit Points: 12 Contact Hours: 3 per week

■ CPB332 SCHOOL-COMMUNITY RELATIONS
The range of inter-relationships between communities and educational activities; comparative studies; policy and its implications for developing strategies; techniques and skills for analysing community needs; some skills to improve effectiveness in working with the community. Courses: ED37, ED50, ED51, ED52, ED54 Credit Points: 12 Contact Hours: 3 per week

■ CPB333 POLICY MAKING AND CHANGING SCHOOL PRACTICES
The relevance of contemporary policy initiatives for classroom and school practices; how policy may be used strategically to enhance professional practice and to provide skills in critical policy analysis. How beginning teachers may respond critically and constructively to pressures within devolved education systems to participate in policy formation, assessment and implementation. Courses: ED37, ED50, ED51, ED52, ED54 Credit Points: 12 Contact Hours: 3 per week

■ CPB334 POWERFUL TEACHERS, POWERFUL STUDENTS
Thematic questions about teaching: understanding the current notion of teacher/student power; ways of understanding teacher/student power and teaching through powerful empowering teaching/learning models; the practical knowledge needed to empower beginning teachers. Courses: ED37, ED50, ED51, ED52, ED54 Credit Points: 12 Contact Hours: 3 per week

■ CPB335 TEACHER AS RESEARCHER
The role that research can play in improving teachers' everyday practice. Draws on advocacy models of research to develop actual strategies by which practitioners can inform their own educational work and evaluate its effectiveness. Courses: ED37, ED50, ED51, ED52, ED54 Credit Points: 12 Contact Hours: 3 per week

■ CPB336 EDUCATION & CULTURAL DIVERSITY
The complex issues involved in catering for cultural diversity in schools and other education settings and strategies for professional practice in contexts of cultural diversity. Contents include: cultural change in education; racism in schooling; curriculum issues; English as a second language; school-community relations. Courses: ED37, ED50, ED51, ED52, ED54 Credit Points: 12 Contact Hours: 3 per week

■ CPB337 GENDER & EDUCATION
The significance of gender issues in education, together with knowledge of relevant research and policy developments. There will be an emphasis on the implications for school organisation, curriculum and teaching strategies. Courses: ED37, ED50, ED51, ED52, NS48, ED54 Credit Points: 12 Contact Hours: 3 per week

■ CBP338 IDENTIFYING & RESPONDING TO STUDENT DIFFERENCES
The range of perceptions and reactions to individual differences: the psychological explanations for the sociocultural contexts of difference in schools; perspectives on the identification and classification of special
The cultural and social contexts and psychological factors relevant to the processes of education and schooling in an era of change; application of the principles of social justice to the evaluation of education policy and practice, and analysis of social and personal action relevant to educational change.

Course: ED26
Credit Points: 12
Contact Hours: 3 per week

■ CPB421 PHILOSOPHICAL PERSPECTIVES ON SCHOOLING
Developments in philosophy of education which account for the micro-institutional practices of schooling, school prospectuses, timetables, school architecture, classroom work, equity issues.

Courses: ED26, ED61
Credit Points: 12
Contact Hours: 3 per week

■ CPB422 PHILOSOPHY IN THE CLASSROOM
Philosophical belief systems underlying approaches to learning, knowledge and curriculum. Justice and fairness to both teachers and students in the classroom. Current developments in classroom practices.

Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

■ CPB423 SOCIETY, SOCIAL POLICY & EDUCATION
Education as social policy; historic, economic and political context of educational policy making; education and social justice; policy, change and practice.

Courses: ED26, ED50, ED51, ED52, ED54
Credit Points: 12
Contact Hours: 3 per week

■ CPB424 SOCIOLOGY OF THE SCHOOL
An analysis of schools and classrooms within a social context; students draw implications to assist them in carrying out their teaching and administration practices more effectively.

Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

■ CPB425 AESTHETIC EDUCATION
An examination of aesthetics, both traditional and contemporary, and the relevance they have for understanding the role the arts play in education; the democratisation of culture, encouraging more representative forms of cultural production; evaluation of the arts, particularly in the classroom; theory of creativity and the imagination; the deficiencies of an individualistic ethic in the arts.

Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

■ CPB441 HISTORY OF AUSTRALIAN EDUCATION
The growing involvement of the state in education during the nineteenth century; factors which led to the state accepting responsibility for elementary education; growth of educational bureaucracies; state involvement in secondary education; establishment of tertiary education in Australia; the influence of particular reports on Australian education.

Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

■ CPB442 EDUCATION FOR A MULTICULTURAL SOCIETY
Over the last decade, multiculturalism has replaced assimilation as an approach to migrants. In this unit teachers are given specialist knowledge and skills to prepare students for life in a multicultural society.

Courses: ED26, ED50, ED51, ED52, ED54, ED61
Credit Points: 12
Contact Hours: 3 per week

■ CPB443 COMPARATIVE & INTERNATIONAL EDUCATION
Australia’s identity in the international community has significant implications for education. The major international issues in education are introduced through studies of global developments and by comparing Australian education with other cultures; develops skills and knowledge appropriate for teachers of the 1990s and the next century.

Courses: ED26, ED61
Credit Points: 12
Contact Hours: 3 per week

■ CPB444 ISSUES IN ABORIGINAL EDUCATION
Factors influencing the position of Aborigines and Islanders in Australian society; government policies; Abo-
Original culture and education: current initiatives; participation of Aborigines in policies and programs.

Courses: ED26, ED61
Credit Points: 12  Contact Hours: 3 per week

- **CPN603 CHANGING CATION'S INTERVENING ROLE; IDEOLOGY AND THE POSITION OF EDUCATIONAL IMPLICATIONS.**

Education and other social policy initiatives relating to women; current debates on the status of women and education's intervening role; ideology and the position of women; effects of economic and technological change; educational implications.

Courses: ED26, ED50, ED51, ED52, ED54, ED61
Credit Points: 12  Contact Hours: 3 per week

- **CPN604 EQUITY.**

Credit

Courses: ED13, ED11, ED61
Credit Points: 12

- **CPN605 EQUITY AND MANAGEMENT ISSUES AND STRATEGIES.**

An examination of the theory and practice of equity policies at all levels of educational management. Particular emphasis on issues of gender and educational leadership, disability, race and ethnicity.

Courses: ED13, ED11, ED61, IF64
Credit Points: 12

- **CPN606 ORGANISATIONAL CULTURES AND EDUCATION LEADERSHIP.**

An investigation of the dimensions of culture in educational organisations undergoing change through examining key issues that are covered with economic rationalism and social justice, strategic planning/management and leadership, cultural analysis and design and particularly devolution and accountability.

Courses: ED13, ED11, ED61
Credit Points: 12

- **CPN607 GLOBAL CHANGE, DIVERSITY AND EDUCATION.**

An introduction to policy approaches in education used in post-colonial nation-states, especially those in the Third World and in the Asia-Pacific region. It asserts that many of these nation-states are 'dependent cultures' and that education is framed by Western models. Alternative modes of education and policy in the international setting arc explored.

Courses: ED13, ED11, ED61, IF64
Credit Points: 12

- **CPN608 GENDER EQUITY AND EDUCATION POLICY.**

Gender-equity is an important component of recent educational reform. The theories and policies underlying its adoption in educational systems and the socio-cultural contexts which has shaped its adoption.

Courses: ED13, ED11, ED61, IF64
Credit Points: 12

- **CPN609 POLICY FOR PRACTITIONERS.**

Policy analysis is an important component of contemporary educational practice. No change to schooling practices is contemplated when undergirded with a policy shift. Introduces students to skills of policy writing and analysis, and places these skills in the socio-economic and cultural context in which they arise.

Courses: ED13, ED11, IF64
Credit Points: 12

- **CPN610 YOUTH POLICIES AND POST-COMPULSORY EDUCATION.**

Post-compulsory education, a feature of recent policy formation, has brought into renewed focus the nature of 'youth' as a category of concern. The degree to which 'youth' as a category is understood in the new post-compulsory policies (Finn, Carmichael and Mayer) is examined.

Courses: ED13, ED11, ED61, IF64
Credit Points: 12

- **CPN611 POLICIES AND PRACTICES FOR INCLUSIVE EDUCATION.**

The socio-cultural, organisational, curriculum and pedagogical contexts of child care and education with a focus on the ways in which special needs are socially constructed and the ways in which this is manifested in educational settings. Identification of procedures conducive to the formation, articulation and implementation of inclusive educational policies and practices in a range of educational and child care settings. Children's disruptive and challenging behaviours.

Courses: ED13, ED11
Credit Points: 12

- **CPN612 UNDERSTANDING EDUCATION IN CONTEMPORARY AUSTRALIA.**

The teacher as a professional; classroom practice; school culture and organisation; national issues affecting schooling.

Courses: ED35, ED36, ED37
Credit Points: 12  Contact Hours: 3 per week

- **CPP411 UNDERSTANDING EDUCATION IN CONTEMPORARY AUSTRALIA.**

The teacher as a professional; classroom practice; school culture and organisation; national issues affecting schooling.

Courses: ED35, ED36, ED37
Credit Points: 12

- **CPP501 SOCIO-CULTURAL ISSUES IN EDUCATION.**

Examines socio-cultural contexts of schooling; the pastoral care and special needs industries; resistance and disruption in schools; disability and integration.

Course: ED24
Credit Points: 12  Contact Hours: 3 per week

- **CUB330 EDUCATION LAW AND THE BEGINNING TEACHER.**

Legal literacy; sources of education law; students' and rights; students' law and schools; parents law and education; teachers' rights and obligations; teachers and school-based accidents; educational malpractice.

Courses: ED27, ED30, ED31, ED32, ED34
Credit Points: 12  Contact Hours: 3 per week

- **CUB331 MAINSTREAM INTEGRATION OF CHILDREN WITH DISABILITIES.**

Historical and philosophical analysis of the evolution of education and education policy related to children with special needs and disabilities. Individuals exhibiting
Students undertake to complete two final modules. The nature of all common forms of adult education, with particular emphasis on workplace and community settings; analyses key concepts and views of leading adult educators, and relates them to current attempts in Australia to provide effective forms of post-compulsory education and training.

**Course: ED50, ED51**  
Credit Points: 12  
Contact Hours: 3 per week

### CUB332 ADULT EDUCATION IN THE WORKPLACE AND COMMUNITY

The nature of all common forms of adult education, with particular emphasis on workplace and community settings; analyses key concepts and views of leading adult educators, and relates them to current attempts in Australia to provide effective forms of post-compulsory education and training.

**Course: ED54**  
Credit Points: 12  
Contact Hours: 3 per week

### CUB333 FIELD EXPERIENCE 1

Module One of this unit gives participants an understanding of the basic principles of self-directed learning and action learning, both of which underpin the Field Experience Program. Participants will also develop practical skills and understanding with respect to determining the education or training needs of adults. The second module is based on the Workplace Trainer Competency Standards Category 2. The students achieve the required performance criteria in a workplace situation.

**Course: ED55**  
Credit Points: 12  
Contact Hours: 20/20 day placement; pre- and post-tutoring

### CUB334 FIELD EXPERIENCE 2

Students undertake to complete any two of a specified set of modules. The modules are based on the Workplace Trainer Competency Standards Category 2. The students achieve the required performance criteria in a workplace situation.

**Course: ED56**  
Credit Points: 12  
Contact Hours: 20 day placement; pre- and post-tutoring

### CUB335 FIELD EXPERIENCE 3

Students undertake to complete any two of a specified set of modules. The modules are based on the Workplace Trainer Competency Standards Category 2. The students achieve the required performance criteria in a workplace situation.

**Course: ED57**  
Credit Points: 12  
Contact Hours: 20 day placement; pre- and post-tutoring

### CUB336 FIELD EXPERIENCE 4

Students undertake to complete two final modules. The seventh module is based on the Workplace Trainer Competency Standards Category 2. The students achieve the required performance criteria in a workplace situation. The eighth module is based on a negotiated project.

**Course: ED58**  
Credit Points: 12  
Contact Hours: 20 day placement; pre- and post-tutoring

### CUB337 ORIENTATION TO ADULT AND WORKPLACE PROGRAMS

Basic concepts in curriculum and curriculum processes for contemporary adult, workplace and community education. The nature of programs; investigating needs, competencies, and outcomes; planning learning opportunities; participant assessment and program evaluation.

**Course: ED59**  
Credit Points: 12  
Contact Hours: 3 per week

### CUB338 THE GROUP IN ADULT AND WORKPLACE EDUCATION

Introduction to the theory relating to groups and explores processes which occur in adult groups. Participants deal with practical applications for educational settings, with special emphasis on developing facilitating skills.

**Course: ED60**  
Credit Points: 12  
Contact Hours: 3 per week

### CUB339 INSTRUCTIONAL STRATEGIES FOR ADULT AND WORKPLACE EDUCATORS

Exploration of theories and practices related to effective instructional strategies in diverse settings; introduction to skills and concepts required by competent practitioners in formal and non-formal teaching and learning settings within workplaces and communities.

**Course: ED61**  
Credit Points: 12  
Contact Hours: 3 per week

### CUB340 PROGRAMMING IN ADULT AND WORKPLACE EDUCATION

Important aspects of responsive programming for adult and workplace education. Covers the planning, implementation, evaluation and reflection components of program development, design and delivery.

**Course: ED62**  
Credit Points: 12  
Contact Hours: 3 per week

### CUB343 OPEN LEARNING AND FLEXIBLE DELIVERY

Deals with the concepts and research relating to ‘open’ and ‘distance’ learning as well as ‘flexible’ and ‘workplace’ delivery using a range of communications and information technologies. Experience in the use of the technology and educational design, strategies and techniques is developed. (Students will need easy access to a computer and modem.)

**Course: ED63**  
Credit Points: 12  
Contact Hours: 2.5 per week

### CUB350 EARLY CHILDHOOD PRACTICES 1

Within the focus of the teacher and children learning together, the following topics are introduced: the planning cycle; why observe? what/when/how?, techniques of recording observable behaviour with specific emphasis on language and thinking; creating positive language environments; planning literacy activities, supporting children's making of meaning; teaching strategies relating to conflict management and discipline; the monitoring of children's progress; the creation of positive learning environments, especially for children from birth to 3 years.

**Course: ED64, ED65**  
Credit Points: 12  
Contact Hours: 2.5 per week

### CUB351 EARLY CHILDHOOD PRACTICES 2

Continuing the interactive focus, there will be further development of Year 2, Semester 1 topics in order to deepen understanding and extend teaching strategies.

**Course: ED66, ED67**  
Credit Points: 12  
Contact Hours: 2.5 per week

### CUB352 EARLY CHILDHOOD PRACTICES 3

Within the focus of teachers' decision making, emphasis is placed on: observing social interactions and children's making of meanings; teaching strategies relating to conflict management and discipline; the monitoring of children's progress; the creation of positive learning environments, especially for children from birth to 3 years.
Emerging professionalism; research skills and independent learning.

Credit Points: 12  Contact Hours: 2.5 per week

Courses: ED43, ED52  Prerequisite: CUB351

CUB353 EARLY CHILDHOOD PRACTICES 4
Further analysis of the complexities of interactions within learning environments, particularly relating to: maths/science; the arts; teaching strategies for the appropriate use of technology within the educational setting with emphasis on creating learning centres for children 5-8 years.

Courses: ED43, ED52  Prerequisite: CUB352  Credit Points: 12  Contact Hours: 2.5 per week

CUB354 EARLY CHILDHOOD PRACTICES 5
Within the focus of interaction, and the teacher-child-parent-community, this unit reviews and analyses a variety of teaching approaches in early childhood, extending strategies for supporting children's play with a particular emphasis on literature and the arts; recognising emerging professionalism; research skills and independent adult learning.

Course: ED52  Prerequisite: CUB353  Credit Points: 12  Contact Hours: 2.5 per week

CUB355 EARLY CHILDHOOD PRACTICES 6
Synthesis of knowledge gained to date in terms of developing a personal teaching style and philosophy; ethical responsibility; the roles of the teacher as reflective practitioner; action researcher; advocate, administrator and leader; preparing for a teaching career and examining career paths in early childhood.

Course: ED52  Prerequisite: CUB353  Credit Points: 12  Contact Hours: 2.5 per week

CUB356 PROFESSIONAL PRACTICE 1
The school experience program of 20 days provides students with opportunities to continue their observations of educational settings and to apply their professional and discipline studies to the planning, resourcing, teaching and evaluation of a series of related lessons. While observations focus on the development and implementation of school-wide curriculum, in the teaching of lessons emphasis is given to formulation of objectives, communication skills, motivation and management of learners and self-evaluation. Students develop their skills in personal and professional relationships within the school community.

Course: ED50  Prerequisite: CUB356  Credit Points: 12

CUB357 PROFESSIONAL PRACTICE 2
This program consists of a 25 day block session with preplacement on-campus tutorials. It concentrates on the development of those skills needed in teaching effectively units of work that are planned collaboratively with cooperating teachers. It challenges students to cater for the learning styles of their pupils by incorporating a rich variety of teaching strategies and classroom organisational skills. Students are expected, through analysis and reflection, to promote praxis between their university studies, their teaching and other school experiences.

Course: ED50  Prerequisite: Curriculum Studies X/Y, CUB356  Credit Points: 12

CUB358 PROFESSIONAL PRACTICE 3
This program of 20 days (ED54) - 25 days (ED50) aims at extending confidence and competence in teacher roles to a level commensurate with that of a beginning teacher. Preserve teachers assume full responsibility for implementing units of work. They draw upon their teaching and other professional skills in fulfilling teachers' day-to-day responsibilities. Emphasis is placed on self-evaluation and critical reflection.

Courses: ED50, ED54  Prerequisites: CUB357 (ED50), CUB356 (ED42)

Corequisites: Curriculum Studies X/Y (ED50)  Credit Points: 12

CUB359 PROFESSIONAL PRACTICE 4: THE BEGINNING TEACHER
This unit is structured so that integration is achieved across all strands of the course in preparation for the students' transition from 'tertiary student' to 'beginning teacher' and the career development processes which this entails. Students study research on beginning teaching across a variety of contexts. Attention is given to teacher recruitment processes.

Course: ED50  Corequisite: Curriculum studies 2X and 2Y  Credit Points: 12

CUB360 TEACHERS AS COMMUNICATORS & PROFESSIONAL PRACTICE 1
This unit is concerned with communication at various levels and in a range of contexts. Its focus is directed towards individuals and groups of learners in the primary school. The unit is operated in a 1 hour/week class on campus and 15 single days (1 introduction and 1 day/week) in schools.

Course: ED51  Prerequisite: CUB365  Credit Points: 12  Contact Hours: 1 hour per week and 1 day per week in schools plus 1 day of initial

CUB361 TEACHERS AS MANAGERS & PROFESSIONAL PRACTICE 2
The management of planning; implementation and evaluation in the classroom; the relationship of management and classroom climate and control.

Course: ED51  Prerequisite: CUB360  Credit Points: 12  Contact Hours: 1 hour per week and 1 day per week in schools plus 1 day of initial

CUB362 TEACHERS AS CURRICULUM DECISION MAKERS & PROFESSIONAL PRACTICE 3
Examination of aspects of curriculum decision making to acquire the knowledge, skills and processes necessary for short-term and long-range planning. Curriculum development, curriculum implementation and curriculum evaluations are investigated to refine daily, weekly and term programs. State and federal initiatives in curriculum are assessed so that classroom teachers can confidently interpret curricula for the needs and capabilities of diverse groups of learners. The block practice component of the unit provides opportunities to design, test and refine personal decision-making models, approaches, strategies and programs.

Course: ED51  Prerequisite: CUB361  Credit Points: 12  Contact Hours: 1 per week and 3 week block

CUB363 TEACHERS AS RESPONSIVE PRACTITIONERS & PROFESSIONAL PRACTICE 4
This unit is concerned with responding effectively to the many and varied teaching/learning contexts within today's classrooms and schools. Its focus is directed from traditional/open classroom to the wider communities encompassing state/private, rural/distance and Aboriginal/migrant education.

Course: ED51  Prerequisite: CUB362  Credit Points: 12  Contact Hours: 1 hour per week and 3 week block in schools following Easter vacation.

CUB364 TEACHERS AS REFLECTIVE PRACTITIONERS & PROFESSIONAL PRACTICE 5
Prior to graduation, students need to synthesise the range of skills, attitudes and knowledge sources that they have
experienced through the course, to ensure an effective transition into professional practice. This unit attempts to pursue this goal through further developing teachers as reflective practitioners, taking responsibility for the shaping and evaluation of educational practice from their own perspective.

**Course:** ED51  **Prerequisite:** CUB363  
**Credit Points:** 12  **Contact Hours:** 1 hour per week and 3 week block in schools following September vacation.

**CUB365 INTRODUCTION TO PROFESSIONAL PRACTICE IN EDUCATION**

The nature of teaching and the role of teachers are studied using curriculum decision-making and critically reflective frameworks. Teaching is viewed as a complex personal and social process which is highly interactive, while the role of the teacher is elaborated with reference to the concepts of the teacher as observer, communicator and facilitator of learning.

**Courses:** ED37, ED50, ED51, ED52, ED54  
**Credit Points:** 12  **Contact Hours:** 3 per week

**CUB366 LEARNING/TEACHING ENVIRONMENTS**

The environmental context for learning/teaching; the range of learning environments in education; how people interact in different learning environments; the design of learning experiences for people in non-formal learning contexts.

**Courses:** ED37, ED50, ED51, ED52, ED54  
**Credit Points:** 12  **Contact Hours:** 3 per week

**CUB367 CLASSROOM AND BEHAVIOUR MANAGEMENT**

Reviews and extends knowledge about managing learners to meet their needs in purposeful and responsive learning environments. A reflective and research oriented evaluation of topics is encouraged, including managerial, environmental and educational conceptions of developing positive relationships, teaching for motivation, and contemporary models, structures and frameworks for decision-making, relating to cooperative learning environments.

**Courses:** ED37, ED50, ED51, ED52, ED54  
**Credit Points:** 12  **Contact Hours:** 3 per week

**CUB368 PRACTICE TEACHING 1 (0-5 YEARS)**

Twenty continuous days in a group care setting for infants and toddlers; observing, recording and analysing the behaviour and learning of individual children and selected aspects of the teaching/earning environment; planning, implementing and evaluating learning opportunities for individuals and where appropriate, small groups, which foster communication, exploration and problem-solving and which take into account social and cultural contexts; adopting and promoting sound health and safety practice.

**Course:** ED53  
**Credit Points:** 12

**CUB369 PRACTICE TEACHING 2 (0-5 YEARS)**

Twenty continuous days in a group care setting for children 3-5 years observing, recording and analysing the behaviour and learning of individuals and groups of children; recording and evaluating selected aspects of the teaching/earning environment; planning, implementing and evaluating learning opportunities for individuals and groups which foster communication, exploration and problem-solving, creativity and self-expression and which take into account social and cultural backgrounds, and health and safety practices appropriate for 3-5 year old children in group care; assuming limited leadership responsibilities for the total program.

**Course:** ED53  
**Credit Points:** 12

**CUB370 PRACTICE TEACHING 3 (ALTERNATIVE SETTINGS)**

Twenty continuous days in a selected service (early primary classroom, centre-based long day care, family day care, out-of-school hours care, occasional care, vocational care, work-related child care), observing, recording and analysing aspects of children’s behaviour and learning and the teaching/caring/learning environment; planning, implementing and evaluating a comprehensive curriculum which takes into account a selected social, political and/or curriculum issue previously researched and relevant to the selected service; communicating with children, parents, colleagues and the wider community; utilising organisational and administrative skills in the assumption of responsibility for the total program for an extended period; recording and analysing operational details of the service, the interaction and interrelatedness of components of the service, its management and structure.

**Course:** ED53  
**Credit Points:** 12

**CUB371 SECONDARY PROFESSIONAL PRACTICE 1: CLASSROOM MANAGEMENT**

This unit examines the role of the teacher with reference to the concepts of the teacher as communicator, planner, manager and facilitator of learning. It provides an opportunity for associated approaches, strategies and skills to be introduced and applied within the ambit of classroom management in practical settings.

**Course:** ED50  
**Credit Points:** 12  **Contact Hours:** 3 per week

**CUB372 SECONDARY PROFESSIONAL PRACTICE 2: CURRICULUM DECISION MAKING**

State and federal initiatives in curriculum are examined to interpret curricula for the needs and capabilities of learners. The practice component provides opportunities to design, test and refine personal decision-making models, approaches, strategies and programs.

**Course:** ED50  
**Credit Points:** 12  **Contact Hours:** 2 per week

**CUB373 SECONDARY PROFESSIONAL PRACTICE 3: THE INCLUSIVE CURRICULUM**

The unit addresses the social, political and material relations in differing classroom and curriculum practices, with a view to examining both the constraining and enabling factors that impact on and generate possibilities within the conceptualising and operationalising of the inclusive curriculum. Critical analysis of classroom practices and possibilities is effected in the professional practice component.

**Course:** ED50  
**Credit Points:** 12  **Contact Hours:** 2 per week

**CUB374 SECONDARY PROFESSIONAL PRACTICE 4: THE BEGINNING TEACHER**

Students synthesise the range of skills, attitudes and knowledge sources that they have experienced to ensure an effective transition into professional practice as beginning teachers, taking responsibility for the shaping of educational practice from their own perspective and that of the learners. Emphasis will be on planning and implementation of the total program.

**Course:** ED50  
**Credit Points:** 12

**CUB375 PRIMARY PROFESSIONAL PRACTICE 1: CLASSROOM MANAGEMENT**

This unit provides an introduction to professional practice in education and gives a foundation for further development in the areas of specialisation and/or specific subject curriculum areas. The role of the teacher is examined with reference to the teacher as communicator,
planner, manager and facilitator of learning. It provides an opportunity for approaches, strategies and skills associated with the teacher's role to be introduced and applied with classroom management.

Course: ED51
Credit Points: 12
Contact Hours: 3 per week

■ CUB376 PRIMARY PROFESSIONAL PRACTICE 2: CURRICULUM DECISION MAKING
Examination of aspects of curriculum decision making to acquire the knowledge, skills and processes necessary for short-term and long-range planning. Curriculum development, curriculum implementation and curriculum evaluation are investigated to refine daily, weekly and term programs. Particular attention is given to cooperative teaching of an integrated unit of work.

Course: ED51
Prerequisite: CUB376
Credit Points: 12
Contact Hours: 2 per week

■ CUB377 PRIMARY PROFESSIONAL PRACTICE 3: THE INCLUSIVE CURRICULUM
This unit is designed to address the social, political and material relations that exist in differing classroom curricula practices, examining both the constraining and enabling factors that impact on and generate possibilities within the conceptualising and operationalising of the inclusive curriculum. This will be done with the support of practising teachers, and critical self-analysis of classroom practices and possibilities.

Course: ED51
Prerequisite: CUB376
Credit Points: 12
Contact Hours: 12 per week

■ CUB378 PRIMARY PROFESSIONAL PRACTICE 4: REFLECTIVE PRACTICE
Prior to graduation, students need to synthesise the range of skills, attitudes and knowledge sources that they have experienced through the course, to ensure an effective transition into professional practice. This unit attempts to pursue this goal through further developing teachers as reflective practitioners, taking responsibility for the shaping of educational practice from their own perspective.

Course: ED51
Prerequisite: CUB377
Credit Points: 12
Contact Hours: 1 per week

■ CUB379 EARLY CHILDHOOD PROFESSIONAL PRACTICE 1
Understanding socio-historical and contemporary contexts for young children in a range of settings for early childhood education and care; observing children and the planning cycle; the use of play, exploration, communication and problem solving by children from birth to eight years; ten days of supervised practice in kindergarten or preschool.

Course: ED52
Credit Points: 12
Contact Hours: 2.5 per week

■ CUB380 EARLY CHILDHOOD PROFESSIONAL PRACTICE 2
Development of planning and teaching strategies, with particular focus upon children aged three to eight years; planning from observations; discourse practices and classroom management; working in groups; policies, syllabi and resources in curriculum generation and provision; handwriting; ten days of supervised practice in preschool or kindergarten, and fifteen days in lower primary classrooms.

Course: ED52
Credit Points: 12
Contact Hours: 2.5 per week

■ CUB381 EARLY CHILDHOOD PROFESSIONAL PRACTICE 3
Focus upon programs in child care and family care services; management of problems arising between children in a range of EC settings; classroom management practices; record-keeping, reporting to and relationships with parents and professional colleagues; fifteen days of supervised practice in child care centres, and ten days of supervised practice in an ECE setting of the student's choice.

Course: ED52
Credit Points: 12
Contact Hours: 2.5 per week

■ CUB382 EARLY CHILDHOOD PROFESSIONAL PRACTICE 4
Refining strategies for teaching and working collaboratively with children, parents and colleagues in EC contexts; student reflection on development of own practices; roles of EC educators with regard to ethics, advocacy for young children, policy development and administration; curriculum vitae and resume; twenty days of supervised practice in an EC setting of the student's choice.

Course: ED52
Credit Points: 12
Contact Hours: 2.5 per week

■ CUB410 TEACHERS & THE CURRICULUM
Development of concepts and strategies essential to the processes of school-based curriculum development and the design, implementation and evaluation of relevant school programs; the significance of curriculum in the broader sense to a spectrum of individual professional teaching perspectives.

Courses: ED26, ED63
Credit Points: 12
Contact Hours: 3 per week

■ CUB414 ADULT EDUCATION
The design and implementation of educational programs for adults; theories relating to adults as educational participants; the educational process and the environment in which it takes place; emphasis on the provision of effective adult education.

Course: ED26
Credit Points: 12
Contact Hours: 3 per week

■ CUB431 CLASSROOM MANAGEMENT: MODELS & PRACTICE
Practical and research-based approaches to classroom management and discipline for teachers. Includes techniques that motivate pupils in daily teaching, role development, teaching for responsibility, dealing with parents and communication and settings for on-task behaviour and meeting student needs.

Courses: ED26, ED64
Credit Points: 12
Contact Hours: 3 per week

■ CUB432 TEACHERS & ISOLATED LEARNERS
The isolated community; the isolated learner; consideration of various types of teaching situations in rural schools, especially small schools and distance education; teaching strategies; support services.

Course: ED26, ED50, ED51, ED54, ED52
Credit Points: 12
Contact Hours: 3 per week

■ CUB433 TEACHING STRATEGIES
Evaluation of the student's teaching strategies; the literature on teaching strategies; critical evaluation of strategies/models of teaching available.

Courses: ED26, ED50, ED51, ED52, ED54, ED64
Credit Points: 12
Contact Hours: 3 per week

■ CUB435 FACILITATING PROFESSIONAL DEVELOPMENT & INSTITUTIONAL CHANGE
Professional development as a central factor in the facilitation of institutional change; authentic case studies used to examine collaborative supervision and facilitative leadership within the context of change with the goal of developing quality institutions.
CUB442 INTRODUCTION TO EDUCATIONAL ADMINISTRATION

Introduction to educational administration with particular reference to the theory and practice of work roles, motivation, leadership, decision making, change, conflict, needs assessment and presentation of written reports for various educational settings.

Courses: ED26, ED50, ED51, ED52, ED54
Credit Points: 12  Contact Hours: 3 per week

CUB443 CLASSROOM ASSESSMENT PRACTICES

Examination of the nature and purposes of classroom assessment; analysis of main approaches to assessing student progress; developments in assessment practices in Queensland with particular reference to the ROSBA and Viviani reports; improving teacher-made tests; advantages and disadvantages of a wide range of test instruments used in classrooms.

Courses: ED26, ED50, ED51, ED52, ED54, ED64
Credit Points: 12  Contact Hours: 3 per week

CUB444 EDUCATORS & THE LAW

Legal literacy; sources of education law; students and rights; students’ law and schools; parents’ law and education; educators rights and obligations; educators’ and school-based accidents; educational malpractice; educational administration and law.

Courses: ED23, ED26, ED63
Credit Points: 12  Contact Hours: 3 per week

CUB445 PROGRESSIVE STRATEGIES FOR GENERAL & VOCATIONAL EDUCATION

The interface between general and vocational education is an issue faced by teachers in all educational systems as schools adopt and present programs in areas which were formerly the domain of TAFE. Familiarity with developments such as the competencies movement and competency based assessment, National Training Reform Agenda and National Standards Frameworks, RPL and RCC, inference from direct and indirect evidence, greater accountability in their decision-making actions and a futures perspective are but a few of the recent educational developments impacting on the profession of teaching. This unit promotes understanding and strategies which enable students to plan, implement and assess work programs in a manner consistent with contemporary educational thought.

Course: ED50
Credit Points: 12  Contact Hours: 3 per week

CUB446 ADVANCED SKILLS OF EFFECTIVE LEARNING & TEACHING

The Queensland Education Department’s corporate plan focuses on teachers having skills and attitudes to teach in a socially just framework and to facilitate effective learning and teaching. This unit develops understandings of the Principles for Effective Learning and Teaching and develops strategies which facilitate socially just teaching which is consonant with such principles and, at the same time, encourage lifelong teacher learning.

Course: ED50
Credit Points: 12  Contact Hours: 3 per week

CUN601 CURRICULUM INVESTIGATIONS

This unit is set within the context of trends, policies and practices which impact upon the decisions made by educators as curriculum practitioners. Curriculum inquiry and research are addressed with an appreciation of how curriculum trends, policies and practices have been framed and investigated in the past; how contemporary researchers and writers conceptualise curriculum as a field of inquiry and how curriculum practitioners are central in theorising about and transforming their own professional practice as curriculum leaders.

Courses: ED13, ED11
Credit Points: 12

CUN602 PROFESSIONAL GROWTH & DEVELOPMENT

This unit is designed for those practitioners who are interested in initiating and responding to curriculum change as both individuals and in collaboration with others. It assumes that curriculum leaders at different levels are required to be both proactive and reactive towards such change and this unit seeks to develop understandings which enable them to do this. This unit cultivates uniqueness and virtuosity, is guided by individual judgments in their context and leads to individual understandings and awareness of professional development issues.

Courses: ED13, ED11
Credit Points: 12

CUN603 LEADING CHANGE IN CONTEMPORARY PROFESSIONAL PRACTICE

This unit considers a range of contemporary problems and issues in cultures and climates of incessant educational change which are impacting on the professional practice of educators. These circumstances underline the need for curriculum leadership in professional practice. Problem areas include: managing behaviour in a supportive school environment, promoting inclusion practices, interpreting and implementing educational policy, e.g. the Whiltshire report, mentoring the beginning teacher, managing stress, implementing effective learning and teaching principles, translating teacher competencies into practice, creating and transforming organisational cultures. The unit provides the opportunity for students to focus on particular professional problems and issues of interest to them and, within the context of relevant literature and the realities of their particular professional situation, develop a change plan for addressing these problems and issues which is transformative and action-oriented.

Courses: ED13, ED11
Credit Points: 12

CUN605 ADULT AND WORKPLACE EDUCATION: PRINCIPLES AND PRACTICES

The ethical basis, the contextual basis and the expert knowledge of adult and workplace education are explored through the themes of conceptualisation, teaching adults, change, flexible delivery, assessment and legal risk management. This will provide an extensive basis for further work, including research, in the area.

Courses: ED13, ED11
Credit Points: 12

CUN609 ACHIEVING QUALITY IN EDUCATIONAL CONTEXTS

The processes of education and training are associated with implementing and ensuring quality procedures and outcomes. A major contributing factor in seeking quality in education is related to the formulation and application of appropriate assessment and evaluation techniques. The unit is designed for educational and evalua-
Strategies for expository teaching and enquiry-based learning; generic teaching skills; interactive classroom; basic language and text processing strategies; organisation of the learning environment; lesson and activity planning routines and models.

Course: ED37
Credit Points: 12
Contact Hours: 3 per week

CUP406 Teaching Studies
Strategies for expository teaching and enquiry-based learning; generic teaching skills; interactive classroom; basic language and text processing strategies; organisation of the learning environment; lesson and activity planning routines and models.

Courses: ED37 (Part-time)
Credit Points: 12
Contact Hours: 3 per week

CUP420 Professional & Curriculum Studies 1
Theories and practices which make up the educational repertoire of a classroom teacher; development of a coherent conceptual understanding of teaching and managing learning, particularly as it applies to arts education and physical education.

Course: ED36
Credit Points: 12
Contact Hours: 3 per week

CUP421 Professional & Curriculum Studies 2
Investigation of the process of curriculum development, particularly in social environment, human relationships education, health studies and science in primary schools.

Course: ED36
Credit Points: 12
Contact Hours: 3 per week

CUP503 Curriculum: Learners with Special Needs
Introduction to curriculum development and situational/ self-analysis; innovative program approaches for learners with special needs; changing ourselves and our educational environments; evaluation of curriculum development; resource teacher support for school-based curriculum development, human relationships education and participation and equity; communication about improved programs.

Course: ED24
Credit Points: 12
Contact Hours: 3 per week

EAB301 Early Childhood Arts 2
Application of principles, practices, philosophies and theories in the areas of music, drama, movement and dance, with specific examples provided for how these arts areas provide unique opportunities for knowing and understanding. Children's development and ways in which this development may be assisted are examined in the areas of music, dance, and drama across two age categories: under five years of age and school age. The integration of the arts in relation to the unique, shared elements and concepts across the various domains, and advocacy in the arts.

Course: ED43, ED52
Credit Points: 12
Contact Hours: 3 per week

EAB303 Early Childhood Foundations 2
Review and analysis of current knowledge of the processes and features of language and cognitive development of children from birth to eight years of age; language acquisition and communication; interrelationships between language and thought, the knowledge base and cognitive processes; analysis of observational data on children's behaviour in the area of language and cognition and using such analysis to plan for children's needs, interests and abilities; links with other aspects of development.

Course: ED43, ED52
Credit Points: 12
Contact Hours: 3 per week

EAB304 Early Childhood Foundations 3
Theories of social, emotional and creative development and their application; theoretical and empirical approaches to the study of creativity and self-expression from birth to eight years; the nature of creativity and its relationship to other areas of development; children's recognition and production of emotions; processes involved in the socialisation of emotions; sex differences and contextual influences on development; individuality, self-knowledge and the development of personal identity; socialisation in the context of relationships, in particular those within the family, the peer context and the classroom.

Course: ED43, ED52
Credit Points: 12
Contact Hours: 3 per week

EAB305 Early Childhood Language Education 1
Theories of development and learning of language and literacy from early years through emergent literacy to fluency with the use of a variety of genres of written language; early literacy learning processes, and the teaching practices, strategies and resources to support these in preschools and primary schools; working with parents to enhance literacy learning in home, child care, kindergarten and other settings; planning based on observations in order to assist children in educational contexts.
■ EAB306 EARLY CHILDHOOD LANGUAGE EDUCATION 2
Review of previous experiences in literacy education from practice and the earlier unit; observation and assessment of the literacy learning abilities of a child as a basis for the development of a profile for planning; reporting to parents; development of frameworks for planning and implementing the literacy education programs appropriate to a range of children and a variety of educational contexts; modification of programs for children with special needs; study of issues in literacy and education in early childhood contexts for children from birth to eight years of age.
Course: ED52
Credit Points: 12 Contact Hours: 3 per week

■ EAB307 EARLY CHILDHOOD MATHEMATICS EDUCATION
Approaches to the teaching and learning of mathematical concepts are reviewed with a focus on the development of the child; the sequence of development from early mathematical understandings to the application of number within a problem-solving framework; applications of technology.
Course: ED43, ED52
Credit Points: 12 Contact Hours: 3 per week

■ EAB308 EARLY CHILDHOOD SCIENCES, MATHEMATICS & TECHNOLOGY
Overview of early childhood science, social studies and maths topics, concepts and processes; investigation of appropriate monitoring strategies; use of a variety of technologies; ways in which early childhood environments can be organised to support integrated, active, inquiry learning, with relevant resources from the immediate classroom, the outdoors, families and the local neighbourhood.
Course: ED52, ED53
Credit Points: 12 Contact Hours: 3 per week

■ EAB309 INTEGRATED EARLY CHILDHOOD CURRICULUM 1
Investigation of distinctive curriculum practices in use in Australian early childhood settings such as preschool/kindergarten, child care centres and the first years of primary school; ideas informing practice; curriculum principles which emphasise the importance of children, parents, community and teachers working collaboratively; play as an integrating force in children's learning; teaching and learning occurring within responsive relationships where difference is valued; the nature of teachers' decision making and the knowledge bases teachers bring to their curriculum implementation work.
Course: ED52, ED43
Credit Points: 12 Contact Hours: 3 per week

■ EAB310 INTEGRATED EARLY CHILDHOOD CURRICULUM 2
Current practices in Australian early childhood settings, understood within philosophical and historical perspectives; examination of key ideas informing the holistic curriculum approaches of the field; theories and practices associated with play; the celebration of difference with particular attention given to practices which are responsive to the values and needs of Aboriginal and Torres Strait Islanders; personalised teaching and learning; in-depth study of the knowledge base of the early childhood teacher practitioner; critical analysis of approaches to designing curriculum for the expanding range of services for young children and families in Australia.
Course: ED43, ED52
Credit Points: 12 Contact Hours: 3 per week

■ EAB311 ALTERNATIVE PROGRAMS IN EARLY CHILDHOOD
The range of community programs which support the needs of children and families outside of mainstream early childhood settings (e.g., visits to community Aboriginal and Torres Strait Islander programs). A resource file of programs will be established by students to aid in future teaching, to help reflect to appropriate services, to build a deepened awareness of models of parent-professional communication and to suggest alternative career paths in early childhood.
Course: ED52
Credit Points: 12 Contact Hours: 3 per week

■ EAB312 CASE STUDIES IN EARLY CHILDHOOD & FAMILY LITERACY
Introduction to case study methods, adult literacy and inter-generational and family literacy, including clients from English and non-English speaking backgrounds; planning and implementing an inter-generational literacy program with a client and young children; reporting and reflecting upon the program; contributing to ongoing research in family literacy.
Course: ED52
Credit Points: 12 Contact Hours: 3 per week

■ EAB313 CHILDREN'S LITERATURE FOR EARLY CHILDHOOD SETTINGS
A study of the significance of children's literature as it furnishes literacy and language programs: origins and patterns of stories both traditional and contemporary as they reflect society; critical evaluation of books published nationally and internationally; acquisition of skills of selection for use in early childhood settings; planning appropriate long term quality literature programs that include a wide range of genre and current issues.
Course: ED52
Credit Points: 12 Contact Hours: 3 per week

■ EAB314 CHILDREN, TEACHERS & THE ENVIRONMENT
The exploration of interactions between individuals and their environments; the development of 'whole school/whole centre' policies and practices in environmental education in early childhood settings; consideration of ecologically sustainable development and social justice through education about, in and for the environment; a strong focus on teachers of young children exploring their own attitudes, values and actions regarding these goals. The unique perspectives of Aboriginals and Torres Strait Islanders with regard to environmental issues will be examined.
Course: ED52
Credit Points: 12 Contact Hours: 3 per week

■ EAB315 CREATING CURRICULUM WITH YOUNG CHILDREN
Students examine dilemmas arising when teachers plan to negotiate the curriculum with children and parents in child care, preschool/kindergarten and primary school settings. Critical analysis of strategies teachers use to create 'spaces' where children are able to construct knowledge in personally relevant ways.
Course: ED52
Credit Points: 12 Contact Hours: 3 per week

■ EAB316 EARLY CHILDHOOD ART EDUCATION
Historical and contemporary trends in art education; philosophy and practice in early childhood visual arts education; in-depth exploration of young children's artistic development and learning; assessment and evaluation of visual arts in early childhood; curating children's art exhibitions; public information about children's artistry; advocacy for improving options for young children in the visual arts.
Course: ED52  Credit Points: 12  Contact Hours: 3 per week
■ EAB317 EARLY CHILDHOOD DRAMA IN EDUCATION
The development of skills and understandings of drama in education; in-depth exploration of techniques and strategies to enhance young children's dramatic ways of knowing and learning; assessment and planning for drama across the early childhood curriculum.
Course: ED52  Credit Points: 12  Contact Hours: 3 per week
■ EAB318 EARLY CHILDHOOD EDUCATION & FAMILY ISSUES IN AUSTRALIA
Contemporary issues facing families such as changing employment patterns, changing family forms, and cultural diversity and new technologies; in-depth analysis of contemporary issues as they impact on families and on early childhood education; strategies for responding to families and the key issues they face in the context of early childhood education.
Course: ED52  Credit Points: 12  Contact Hours: 3 per week
■ EAB319 EARLY CHILDHOOD SOCIOCULTURAL CONTEXTS
Opportunity to investigate a broad range of issues currently affecting early childhood educators and their clients, with in-depth study of an issue selected from this broad range. Issues include work based child care and the effect on children, families and teachers; vacation care programs and before and after school programs and what this means for primary school children and teachers; early childhood educators as agents of social change; policy decisions made at state and federal levels which affect early childhood education; how changing patterns of work/employment have affected early childhood education; the low status of caregivers in society who are entrusted with children, 'our investment for the future'; the debate about whether child care is a tool for the liberation of women or the repression of other women; children, poverty and early childhood services; childhood, ethnicity and early childhood services.
Course: ED52  Credit Points: 12  Contact Hours: 3 per week
■ EAB320 EARLY CHILDHOOD SCIENCE FOR YOUNG CHILDREN
An overview of science topics, concepts and processes as experienced in everyday life, in the home and various early childhood educational settings; exploration of a food cycle approach to learning, with consideration of space, time, resources and teaching strategies; current early childhood policies and practices which affect the needs of children from birth to age eight years; staff health in relation to early childhood program delivery.
Course: ED52  Credit Points: 12  Contact Hours: 3 per week
■ EAB321 EARLY CHILDHOOD TRANSACTIONS 2
Insight into Australian families and interpersonal processes extended from EAB320; diversity and community in family childcare; values and practices; the parental role in young children's development; dimensions of parenting behaviour; family-teacher roles; interpersonal skills in practical contexts with families: effective collaborative procedures and skills of listening, giving and receiving feedback, assertion, negotiation and group leadership.
Course: ED43, ED52  Credit Points: 12  Contact Hours: 3 per week
■ EAB322 ETHICAL RESPONSIBILITIES IN EARLY CHILDHOOD
In-depth examination of legal and ethical responsibilities of early childhood educators; historical overview of changing trends in legislation relating to children; current issues in children's rights, including welfare, human rights, child care; professional ethics and the responsibility of the early childhood educator to children, parents, the community, society, colleagues and the profession; advocacy for improved opportunities for young children; case studies of Australian issues in advocacy, ethics and the law.
Course: ED52  Credit Points: 12  Contact Hours: 3 per week
■ EAB323 EVERYDAY FOOD & SCIENCE FOR YOUNG CHILDREN
An overview of science topics, concepts and processes as experienced in everyday life, in the home and various early childhood educational settings; exploration of a food cycle approach to learning, with consideration of space, time, resources and teaching strategies; current early childhood policies and practices which affect the needs of children from birth to age eight years; staff health in relation to early childhood program delivery.
Course: ED52  Credit Points: 12  Contact Hours: 3 per week
■ EAB324 INTEGRATING YOUNG CHILDREN WITH DISABILITIES INTO EARLY CHILDHOOD PROGRAMS
The integrated approach to teaching children with disabilities through an effective and cooperative team approach of teachers, families and support personnel; philosophical and policy issues for the least restrictive early education for young children with disabilities; the range and nature of disabilities early childhood teachers may encounter in their practice; development, implementation and evaluation of individualized programs; teaching strategies for integration into regular programs; needs and concerns of families; the range of support services available to families and teachers.
Course: ED43, ED52, ED53  Credit Points: 12  Contact Hours: 3 per week
■ EAB325 MANAGEMENT OF EARLY CHILDHOOD SERVICES
General management theory and practice; organisational and leadership styles; management of various early childhood services; setting policies and planning for services; implementing day-to-day tasks and operations; managing and working with people; considering ethical issues and conducts; working outside early childhood services.
Course: ED43, ED52, ED53  Credit Points: 12  Contact Hours: 3 per week
■ EAB326 MUSIC EDUCATION & YOUNG CHILDREN
In-depth exploration of musical elements in relation to concept development in young children; application of specific techniques for guiding children's understanding, such as solfege, ostinato with Orff-type instruments, and listening with a musical focus; extension of personal musicianship and creativity; integration of music with other areas.
Course: ED52  Credit Points: 12  Contact Hours: 3 per week
■ EAB327 PRACTICAL CHILD CARE ISSUES
The practical day-to-day aspects of designing, communicating, implementing and evaluating developmentally appropriate programs for children from birth to eight years. It will focus on B-3 and 3-8 year old care programs.
Course: ED52  Credit Points: 12  Contact Hours: 3 per week
■ EAB328 RESEARCH IN EARLY CHILDHOOD DEVELOPMENT
Research design, methodology and analysis as applied to the study of young children's development. This elective is recommended for students considering enrolment in postgraduate research courses in Early Childhood. Longitudinal, cross-sectional and cross-sectional designs; experimental, quasi-experimental and naturalistic designs; hypothesis generation; ethical issues in conducting research with young children; measurement and sampling; introduction to descriptive and inferential statistics; report writing and organisation.
Course: ED52
Credit Points: 12  Contact Hours: 3 per week

- **EAB329 Routines for Inclusive Early Childhood Curriculum**
The routines for daily living in kindergartens, preschools, child care centres and primary schools; the creation of routines which will foster inclusivity of difference based on race, gender, social class and intellectual capabilities; particular attention is given to contexts which are inclusive of Aboriginal and Torres Strait Islander values and beliefs. Investigations of practices currently in use in early childhood settings will form the basis for critical analysis of possibilities for improving practice.
Course: ED52
Credit Points: 12  Contact Hours: 3 per week

- **EAB330 Storytelling in Early Childhood**
The identification and exploration of the craft of the storyteller. In particular it will focus on a range of storytelling techniques, identification of suitable stories that can be told; cultural influences on storytelling and storytelling across the curriculum.
Course: ED52
Credit Points: 12  Contact Hours: 3 per week

- **EAB331 Technology & the Young Child**
The use of computers, calculators and other examples of technology in the learning of young children; links between technology and problem-solving, applications of number concepts and the use of computers in language development and the publication of documents.
Course: ED52
Credit Points: 12  Contact Hours: 3 per week

- **EAB332 Technology in Early Childhood Contexts**
Students undertake an investigation which incorporates the use of technology with young children. This investigation would be designed, carried out and reported on as in a small scale research project or an independent study.
Course: ED52
Credit Points: 12  Contact Hours: 3 per week

- **EAB333 Early Childhood Education: Community Context**
Education and change in a postmodern society; the implications for education of the complex and diverse nature of Australian society; the role of policy making in meeting the educational challenges of the 1990s.
Course: ED53
Credit Points: 12

- **EAB334 Early Childhood Foundations A**
The content of this unit provides the theoretical and applied knowledge basis for the selection and organisation of appropriate learning situations for young children in a range of early childhood contexts and settings.
Courses: ED53
Credit Points: 12  Contact Hours: 3 per week

- **EAB335 Early Childhood Language and Arts Education I**
This unit introduces students to the theory, issues and practices involved in planning to foster young linguistic and artistic development in a range of early childhood educational contexts.
Courses: ED53
Credit Points: 12  Contact Hours: 3 per week

- **EAB336 Early Childhood Foundations B**
The context of this unit provides the theoretical and applied knowledge basis for the selection and organisation of appropriate learning situations in a range of educational contexts and settings, and for working with parents and other adults in a range of situations.

Courses: ED53
Credit Points: 12  Contact Hours: 3 per week

- **EAB337 Integrated Early Childhood Curriculum**
Current practices in Australian early childhood settings, understood within philosophical and historical perspectives; examination of key ideas informing the holistic curriculum approaches of the field; theories and practices associated with play; the celebration of difference with particular attention given to practices which are responsive to the values and needs of Aboriginal and Torres Strait Islanders; personalised teaching and learning; indepth study of the knowledge base of the early childhood teacher practicioner; critical analysis of approaches to designing curriculum for the expanding range of services for young children and families in Australia.
Course: ED53
Credit Points: 12  Contact Hours: 3 per week

- **EAB338 Early Childhood Language and Arts Education 2**
This unit extends students' understanding of the theory, issues and practices related to curriculum decision making to foster young children's linguistic and artistic development across a range of early childhood educational contexts.
Course: ED53
Credit Points: 12  Contact Hours: 3 per week

- **EAB340 Programs for Infants and Toddlers**
Ideas and beliefs which underpin practices and theories in relation to children under three years of age; exploration of societal attitudes in relation to young children, historically and currently; foundations and functioning of programs for infants and toddlers; examination of Australian and overseas models; government regulations for under three's programs; changing attitudes and trends in relation to parental involvement in education.
Course: ED53
Credit Points: 12  Contact Hours: 3 per week

- **EAB341 Early Childhood Foundations 1**
Biological processes foundational to physical, perceptual and motor development of children from birth to eight years of age; prenatal factors; observational methods and techniques for analysing physical, perceptual and motor development of young children; knowledge of atypical development; provision of care and education for children with special needs; related social justice issues.
Course: ED52
Credit Points: 12  Contact Hours: 2.5 per week

- **EAB342 Early Childhood Foundations 2**
Processes and features of language and cognitive development of children from birth to eight years; language acquisition and communication; interrelationships between language and thought; the knowledge base and cognitive processes; analysis of observational data to plan for children's needs, interests and abilities; assisting children with special needs or developmental delay, especially in terms of intellectual abilities.
Course: ED52
Credit Points: 12  Contact Hours: 2.5 per week

- **EAB343 Early Childhood Foundations 3**
Theoretical and empirical approaches to the study of
creativity and self-expression from birth to eight years; children's recognition and production of emotions; sex differences and contextual influences; development of personal identity; socialisation relationships among the family members, the peer context and the classroom; social and emotional difficulties of children, including aggression and learned helplessness; appropriate interventions for management.

Course: ED52
Credit Points: 12 Contact Hours: 4 per week

**EAB349 ADVANCED EARLY CHILDHOOD CURRICULUM: ARTS**
Application of principles, practices, philosophies and theories in the areas of music, drama, movement and dance, with specific emphasis on how these arts provide unique opportunities for knowing and understanding; assisting children's development through music, dance and drama in preschool and primary school EC settings; integration of the arts in relation to unique and shared elements and concepts across various domains; advocacy in the arts.

Course: ED52
Credit Points: 12 Contact Hours: 4 per week

**EAB350 ADVANCED EARLY CHILDHOOD CURRICULUM: LITERACY AND NUMERACY IN THE EARLY YEARS**
Observation, assessment and diagnosis of the literacy and numeracy abilities of young children in ECE settings; planning, implementing and evaluating programs to foster optimal development in literacy and numeracy; addressing literacy and numeracy needs of all children equitably and justly; critical examination of teaching approaches and resources in literacy and numeracy education.

Course: ED52
Credit Points: 12 Contact Hours: 4 per week

**EAB351 FAMILY STUDIES AND EARLY CHILDHOOD EDUCATION**
Current social contexts and issues affecting families with young children, including employment patterns, unemployment, poverty, inequality and social justice, ideology of family, cultural diversity, particularly from the perspectives of Aboriginals and Torres Strait Islanders, and the influence of technology; reciprocal social and family influences.

Course: ED52
Credit Points: 12 Contact Hours: 3 per week

**EAB410 EARLY EDUCATION: DECIDING THE CURRICULUM**
Examination of the curriculum decision-making processes promoted and in use among teachers working in early childhood settings such as kindergartens, child care and schools. Students have the opportunity to reflect on, and seek to improve, personal ability to decide the curriculum for young learners.

Course: ED26
Credit Points: 12 Contact Hours: 1 per week

**EAB411 EARLY EDUCATION: LITERACY**
A study of current understandings about the nature of literacy, literacy development in early childhood and the ways in which this development can be fostered both within the home and at a range of educational and care settings. The broad topic areas addressed comprise language foundations, processes and patterns of development, the classroom context and program development. Students are expected to build on their preservice studies in the area of language and literacy development and learning.

Course: ED26
Credit Points: 12 Contact Hours: 3 per week

**EAB412 INTEGRATIVE EARLY CHILDHOOD CURRICULUM**
Examination of key ideas informing holistic curriculum approaches; theories and practices associated with play in the curriculum in all EC settings, and particularly the lower primary school; implications of implementing an inclusive curriculum; issues of equity and social justice reviewed in relation to the transacting the curriculum in
EC settings; critical analysis of approaches to designing curriculum for the expanding range of services for young children and families in Australia.

Course: ED52  
Credit Points: 12  
Contact Hours: 4 per week

**EAB413 MANAGEMENT OF EARLY CHILDHOOD SERVICES**

General management theory and practice; organisational and leadership styles; management of various EC services; setting policies and planning for services; implementing day-to-day tasks and operations; managing and working with people; collective and collaborative approaches to management; teamwork and decision-making; ethical issues and conduct; advocacy of EC services for young children from all cultural and social contexts.

Course: ED52  
Contact Hours: 4 per week

**EAB414 RESEARCH IN EARLY CHILDHOOD DEVELOPMENT AND EDUCATION**

Research design and methodology; qualitative and quantitative research; ethical issues in the conduct of the research process with young children and the adults involved with them; awareness and understanding of the research process from development of proposal, through conduct of some aspects of data collection and analysis to writing parts of the thesis. Introduction to and involvement in processes of self-evaluation. Students will be involved with a practising researcher who will act as mentor.

Course: ED52  
Credit Points: 12  
Contact Hours: 4 per week

**EAB415 RESOURCE/SUPPORT PROGRAMS IN EARLY CHILDHOOD**

Community programs which support children and families outside the mainstream EC settings; visits to programs such as those for Aboriginals and Torres Strait Islanders, as well as for children and families of other cultures; awareness of effects of cultural diversity, geographical isolation, etc.; establishing resource files for teaching and referral; models of parent-professional communication; evaluation of community programs; careers in EC services and education.

Course: ED52  
Credit Points: 12  
Contact Hours: 4 per week

**EAB416 EARLY CHILDHOOD ART EDUCATION**

Historical and contemporary trends in art education; philosophy and practice in early childhood visual arts education; in-depth exploration of young children's artistic development and learning; assessment and evaluation of visual arts in early childhood; methods of reporting and record-keeping; studio art experiences; curating children's art exhibitions; public information about children's artistry; advocacy for improving options for young children in the visual arts.

Course: ED52  
Credit Points: 12  
Contact Hours: 4 per week

**EAB417 CREATING CURRICULUM WITH YOUNG CHILDREN**

Examining the dilemmas arising when teachers negotiate the curriculum with children and parents in shared curriculum creation in child care, preschool, kindergarten and primary school settings; critical analysis of strategies early childhood educators use to create spaces where children construct knowledge in personally relevant ways; consideration of factors which promote children's involvement in creating the curriculum.

Course: ED52  
Credit Points: 12  
Contact Hours: 4 per week

**EAB418 STUDIES IN NARRATIVE FOR YOUNG CHILDREN**

Critical analysis of central themes and issues relevant to the range and uses of narrative with young children; selection and evaluation of stories and narratives (spoken and in print) for use in a multicultural society; desirable qualities in narrative resources and materials; storytelling and story-reading techniques; narrative as a means of reflecting on human issues for the individual and for society; use of narrative in EC programs generally and for linking curriculum areas.

Course: ED52  
Contact Hours: 4 per week

**EAB419 MUSIC EDUCATION FOR DIVERSE LEARNERS**

This unit provides advanced exposure to music education and explores ways in which music programs for young children can be established on experiential, self-chosen and guided bases. Students will acquire a understanding of musical concepts and elements to enable them to interact with, and make decisions about, sound and to apply specific teaching strategies and techniques to guide children's conceptual understanding, knowledge, skills and socio-cultural awareness of music.

Course: ED52  
Credit Points: 12  
Contact Hours: 4 per week

**EAB420 CHILDREN, TEACHERS AND THE ENVIRONMENT**

Teachers' positions in relation to community concerns on socio-environmental issues; socially just and ecologically sustainable programs; environmental education; exploring a range of environmental issues and dilemmas.

Course: ED52  
Credit Points: 12  
Contact Hours: 4 per week

**EAB421 EVERYDAY FOOD LEARNING**

Exploring a food cycle approach to learning; consideration of space, time, resources and teaching strategies; current EC policies and practices affecting the food and health of children from birth to eight years of age; staff health in relation to early childhood program delivery.

Course: ED52  
Contact Hours: 4 per week

**EAB422 TECHNOLOGY AND THE YOUNG CHILD**

Selection, use and critical evaluation of computers and associated software, and related technologies in EC programs, linking technology and problem-solving; applications and use of computers and associated software for language, number and problem-solving; creating teaching materials.

Course: ED52  
Credit Points: 12  
Contact Hours: 4 per week

**EAB440 WORKING WITH PARENTS & THE COMMUNITY**

Parental roles in childhood; review of research on child rearing; the use of interpersonal skills in relating to parents; planning for parent involvement; parent involvement approaches; resources for parents; meeting the needs of parents and programs; future trends.

Courses: ED23, ED26  
Credit Points: 12  
Contact Hours: 3 per week

**EAB441 EARLY EDUCATION DEVELOPMENT & LEARNING**

Ecological orientation of child development; forces shaping the development of children from birth to eight years of age; the psychosocial and cultural perspectives of development and learning in the early childhood years; ecological analysis of early childhood settings impacting on development.
■ EAB501 ADVANCED CHILD CARE DEVELOPMENT & LEARNING
Theoretical perspectives on development and learning of children 0-12 years; investigation of aspects of development, developmental sequences and patterns; factors influencing development and learning; observation measurement and research methods in development and learning.
Course: ED42 Credit Points: 16

■ EAB502 ADVANCED CURRICULUM THEORY & DESIGN FOR CHILD CARE
Frameworks for curriculum decision making; establishing curriculum policies and evaluation strategies; characteristics of learning environments which foster communicative competence, creativity and problem solving; levels of decision-making, federal and state governments, employing authorities, particular child care and education services.
Course: ED42 Credit Points: 16

■ EAB503 TEACHING STRATEGIES FOR CHILD CARE
The planning-implementing-evaluating cycle; managing learning environments; the teaching/caring role; facilitating children's development and learning through the human environment; dimensions of curriculum decision-making; adult-adult and adult-child interactions; teaching as a professional.
Course: ED42 Credit Points: 16

■ EAB504 PROGRAMS & TEACHING STRATEGIES FOR CHILDREN UNDER 3 YEARS
Facilitating children's development and learning through the physical environment; mathematics and science concepts in the learning environment; physical care, education and nutrition for infants and toddlers; creating a safe, stimulating and supportive environment for learning; day care programs for infants and toddlers in Australia and overseas; parent-infant programs; policies and trends.
Course: ED42 Credit Points: 16

■ EAB505 LEARNING TEACHING & INTEGRATED CURRICULUM FOR 3-5 YEARS
Language and cognitive development; communication with children; early mathematics and science concepts; total program planning implementation and evaluation; integration across content areas involving parents and community.
Course: ED42 Credit Points: 16

■ EAB506 FIELD PROJECT (CHILDREN 0-5 YEARS)
Observations, analysis and implementation of the teaching and management program; teaching file of recorded observations, summaries, records, organisation strategies and evaluated plans; provision of a safe, caring and challenging learning environment; competency in leadership and responsibility.
Course: ED42 Credit Points: 16

■ EAB507 EARLY CHILDHOOD LEADERSHIP & MANAGEMENT IN THE SOCIO-CULTURAL CONTEXT
Administration of early childhood services; leadership styles; managing people; professional issues; selection of personnel; outcomes for children and families; management theory and practice; program administration; financial matters; features of comprehensive programs, planning and communication.
Course: ED42 Credit Points: 16

■ EAB508 FIELD PROJECT (CHILDREN 0-12 YEARS)
A significant social, political or curriculum issue affecting the delivery of a child care and education service; teaching file of recorded observations, summaries, relevant centre records, management and teaching strategies, community resources, parent and staff communications, evaluated plans; competence in providing a safe caring learning environment which reflects the cultural and social backgrounds of the children; competence in leadership and responsibility for the total program for a period of time.
Course: ED42 Credit Points: 16

■ EAN601 EARLY CHILDHOOD TEACHERS' KNOWLEDGE IN ACTION
Critical reflection on knowledge in action as teachers work in early childhood programs; history of the development of key ideas influencing early childhood curriculum and teaching; methods for studying teachers at work in different early childhood programs; analysis of research which examines issues related to teaching in early childhood programs.
Courses: ED13, ED11 Credit Points: 16

■ EAN602 EARLY CHILDHOOD SERVICES AND POLICIES
Examination is made of the processes of policy development and sources of influence on policies in the area of early childhood services. Critical analyses are undertaken of selected early childhood policies.
Courses: ED13, ED11 Credit Points: 12

■ EAN603 DEVELOPMENT IN EARLY CHILDHOOD CONTEXTS
Development of skills for critical evaluation of current developmental issues in early childhood within an ecological framework; knowledge of a broad range of developmental and methodological issues of research in early childhood including infant development, family, educational and care contexts; the processes and patterns of symbolic development in young children; critical discussion of developmental research and the implications of this knowledge for early childhood education.
Courses: ED13, ED11 Credit Points: 12

■ EAN604 YOUNG CHILDREN, FAMILIES AND COMMUNITY
Aspects of family diversity; the interactions between young children, families and the wider social and cultural community; key issues facing families within community contexts; the analysis of transactions involving professionals, young children, families and community.
Courses: ED13, ED11 Credit Points: 12

■ EAN605 EDUCATION MANAGEMENT PROCESSES AND STRATEGIES
The management processes in educational and other professional settings; the identification of various leadership skills and effective communication styles. The understanding and facilitation of change are explored. Consulting, advocacy and empowerment strategies are identified in terms of the students' particular work sites.
Courses: ED13, ED11 Credit Points: 12

■ EAN606 MANAGING EDUCATION PERSONNEL
Human resource management; staff selection, staff supervision and appraisal, staff development and the importance of developing evaluation and facilitation skills. Strategies for including professional development in a range of educational and professional settings are explored.
Courses: ED13, ED11 Credit Points: 12
• EAN607 CONSULTATION AND TEAMWORK
  Analysis of typical professional consultancy and teamworking contexts within education and early childhood services, including contributions from other disciplines (e.g., medicine, psychology, therapies, social welfare, law) and agencies (e.g., health, community services, police); theoretical and practical understanding of intra- and interpersonal qualities which affect consultancy and teamwork; theory and application of group development processes related to effective task accomplishment. Factors impinging on the quality of interdisciplinary and interagency teamwork; strategies for reviewing and improving consultation and teamwork.
  Courses: ED13, ED11 Credit Points: 12

• EAP411 CREATIVITY & LANGUAGE 1
  Developmental processes in the expressive and language arts; principles of learning; the development of personal identity in young children; creative and expressive processes for language and literacy in early childhood programs.
  Course: ED35 Credit Points: 12 Contact Hours: 4 per week

• EAP412 THINKING & PROBLEM SOLVING 1
  The processes of interest in active learning, inquiry and problem solving; environments and strategies which promote the development of active learning and inquiry by young children; monitoring progress.
  Course: ED35 Credit Points: 12 Contact Hours: 4 per week

• EAP413 PROGRAM PLANNING & TEACHING STRATEGIES 1
  Development of those areas of knowledge and skills essential to the practical decision-making of early childhood teachers. An off-campus component of this unit includes two practicums, each of twelve days, in two early childhood settings (child care, preschool, kindergarten or early primary).
  Course: ED35 Credit Points: 12 Contact Hours: 3 per week

• EAP414 CREATIVITY & LANGUAGE 2
  Discipline-based processes; the interrelated and unique contribution of each of the arts; the teacher's role as a curriculum decision-maker in the development of language and literacy programs.
  Course: ED35 Credit Points: 12 Contact Hours: 4 per week

• EAP417 THINKING & PROBLEM SOLVING 2
  The child as explorer, problem solver and meaning maker; organising for active learning, inquiry and problem solving; linking home and early childhood educational environments.
  Course: ED35 Credit Points: 12 Contact Hours: 4 per week

• EAP418 PROGRAM PLANNING & TEACHING STRATEGIES 2
  The development and integration of student teachers' knowledge, skills and attitudes from the curriculum development and socio-cultural units to assist them in performing and justifying their diverse roles in teaching practice. An off-campus component of this unit includes two practicums each of sixteen days in two early childhood settings (child care, preschool, kindergarten or early primary).
  Course: ED35 Credit Points: 12 Contact Hours: 3 per week

• EAP512 POLICIES & PRACTICES IN EDUCATIONAL MANAGEMENT
  Explores the nature of educational policies in Australia; analyses policies to consider social and political influences; addresses educational practices in relation to current policies at various government and organisational levels.
  Courses: ED23, ED61 Credit Points: 12 Contact Hours: 3 per week

• EAP513 EDUCATIONAL SERVICES MANAGEMENT
  Focuses on leadership roles by identifying various leadership skills and effective communication styles; development of an understanding and facilitation of change; consulting, advocacy and empowerment strategies are identified.
  Courses: ED23, ED61 Credit Points: 12 Contact Hours: 3 per week

• EAP515 HUMAN RESOURCE MANAGEMENT IN EDUCATION
  Staff supervision and appraisal; staff development planning, implementation and evaluation; facilitative skills.
  Courses: ED23, ED61 Credit Points: 12 Contact Hours: 3 per week

• EAP518 MANAGING THE CURRICULUM
  This unit helps students understand the elements of curriculum management. The problematic nature of managing curriculum is explored by considering ideological approaches.
  Course: ED23, ED26 Credit Points: 12

• EAP525 EARLY CHILDHOOD PROGRAM PLANNING
  Planning and evaluating early childhood programs for children 0-8 years; organisation and administration of programs for young children; examination of approaches to teaching; early intervention programs; interdisciplinary teamwork and support services; strategies for working with parents and community agencies; professional behaviour and ethics.
  Course: ED20 Credit Points: 12

• EAP526 EARLY CHILDHOOD EDUCATION 3
  Current approaches to the teaching of literacy and numeracy in the early years; diagnosis and assessment in early literacy and numeracy; the expressive arts and the sciences as modes of learning and teaching in the early years; the use of microcomputers and educational software with young children; planning and teaching for individual and group needs.
  Course: ED20 Credit Points: 12

• EAP528 CHANGE IN CHILDREN BIRTH TO AGE EIGHT
  Techniques for observing and analysing child behaviour; major theories of development and learning; cognitive, social/emotional, language, physical development and learning in children 2-9 years.
  Course: ED20 Credit Points: 12

• EAP529 EARLY CHILDHOOD EDUCATION 1 & 2
  The development of problem solving, explanation, investigation, self-expression, originality, divergent thinking and risk-taking in young children in relation to communication, movement, the expressive arts, mathematics, science, social studies and health curriculum; approaches and suitable materials for these curriculum ar-
This introductory unit is designed to give students a basic understanding and awareness of Murri and Torres Strait Islander cultures. Throughout the unit, students will be provided with a holistic approach to learning about the main features of both traditional and contemporary cultures. This knowledge would enhance and assist the individual's ability to develop effective relationships with the Murri and Torres Strait Islander communities.

Course: EDB336
Credit Points: 12

Course: EDB337 ISSUES IN ABORIGINAL & TORRES STRAIT ISLANDER CULTURE
This unit continues to develop students' knowledge about Murri and Torres Strait Islander people, historically, socially and culturally in relation to these changes and gives them the opportunity to explore and investigate areas of interest.

Course: EDB338 MURRI & TORRES STRAIT ISLANDER STUDIES: AN INTEGRATED PERSPECTIVE
Intended for students who already have a solid grounding in Aboriginal and Torres Strait Islander history and culture and who have an understanding of the issues that concern Murri and Torres Strait Islander people today. Students have the opportunity to develop a deeper understanding of the complexities of the cultures of these two distinct groups and to examine and evaluate issues of concern relevant to their areas of interest.

Course: EDB339 INDEPENDENT STUDY
Self-initiated and self-directed academic study in an area of educational management interest which allows study either to a depth not possible in electives, or in an area not covered by the course; for requirements see the Independent Study Guide.

Courses: ED23, ED26, ED50, ED51, ED52, ED54, ED37
Credit Points: 12

This unit allows individual students to follow their own particular needs/interests and/or to take advantage of specialised lecturer expertise through working autonomously on relevant topics of interest under the supervision of individual lecturers.

Courses: ED13, ED11
Credit Points: 12

A minor research project that provides students with an opportunity to extend, synthesise and analyse knowledge from core and elective units through, for example, a crit-

Course: EDB336 ABORIGINAL & TORRES STRAIT ISLANDERS, PAST & PRESENT
This introductory unit is designed to give students a basic understanding and awareness of Murri and Torres Strait Islander cultures. Throughout the unit, students will be provided with a holistic approach to learning about the main features of both traditional and contemporary cultures. This knowledge would enhance and assist the individual's ability to develop effective relationships with the Murri and Torres Strait Islander communities.

Course: EDB336
Credit Points: 12
cal literature review, the development of appropriate educational resources, or a project of change in their workplace.

Courses: ED13, ED14  Prerequisite: EDN61
Credit Points: 24

EDN611 UNDERSTANDING EDUCATIONAL RESEARCH
The foundation unit for studying research methods in education. It focuses on reading, understanding and evaluating educational research both within and across different paradigms used in educational research.

Courses: ED13, ED11, ED61
Credit Points: 12

EDN612 CONDUCTING EDUCATIONAL RESEARCH
Building on the understandings developed in EDN61, this unit focuses on developing the skills and knowledge necessary to design and conduct educational research. Structured to enable students to pursue in-depth studies in selected designs and methods with a view to producing an initial research proposal.

Courses: ED13, ED11, ED12, ED61
Prerequisites: EDN611 OR equivalent OR permission of Coordinator
Credit Points: 12

EDN620 DISSERTATION
Designed to enable students to develop their research potential through following up a research design developed in the unit Advanced Research, to produce a significant piece of written research in the form of a dissertation.

Courses: ED13  Prerequisite: EDN611
Credit Points: 36

EDP508 PRACTICUM IN EARLY CHILDHOOD 1
Observation; planning, implementation and evaluation of curriculum for children in early childhood; communication with children, parents and colleagues; the demonstration of organisational and administrative skills in an early childhood setting.

Course: ED20  Credit Points: 6

EDP509 PRACTICUM IN EARLY CHILDHOOD 2
Observation; design, implementation and evaluation of programs for children in the early childhood age range; communication with children, parents and colleagues; increased responsibility for control and management in the early childhood setting; catering for children in the early childhood age range.

Course: ED20  Prerequisite: EDP508
Credit Points: 6

EDP514 FIELD PROJECT
An applied action research project focusing on the development of a management-oriented program; the delivery and evaluation of the program within an existing educational service.

Courses: ED23, ED61
Credit Points: 12
Incompatible with: EDP516

EDP516 EXTENDED FIELD PROJECT
An applied action research project focusing on the development of a management-oriented program. The delivery and then evaluation of the program within an existing educational service occurs. The Extended Field Project includes a research report with greater breadth and depth than the 12 credit point Field Project.

Course: ED23
Credit Points: 24
Incompatible with: EDP514

EDP601 THE REFLECTIVE PRACTITIONER IN HIGHER EDUCATION
Develops critical, reflective and proficient tertiary educators with a commitment to learning as a lifelong process; begins with and builds upon the various experiences which the participants bring with them.

Course: ED61
Credit Points: 12  Contact Hours: 3 per week

EDP602 ADULT LEARNING & TEACHING IN HIGHER EDUCATION
The theory and practice of teaching adults; the appropriateness of particular approaches to the needs, interests and learning styles of adult audiences; involves the application of theoretical perspectives to the practice of teaching adults in varied higher education and contexts.

Course: ED61
Credit Points: 12  Contact Hours: 3 per week

EDP603 HIGHER EDUCATION IN AUSTRALIA: CONTEXT & ISSUES
History of higher education in Australia; current structure and funding of higher education in Australia; major stakeholders and key institutional interfaces; professional associations, TAFE, secondary education, industry, student groups, government.

Course: ED61
Credit Points: 12  Contact Hours: 3 per week

EDP604 PROGRAM DESIGN & EVALUATION IN HIGHER EDUCATION
Identifies and describes the major theoretical underpinning of educational planning and evaluation; traces the historical shifts within the practice of course design and evaluation; demonstrates skills in evaluation and subsequent planning for course integration; and demonstrates skills in critical analysis of evaluation designs and procedures.

Course: ED61
Credit Points: 12  Contact Hours: 3 per week

EDR702/1–9 THESIS
Provides students with an opportunity to extend and synthesise knowledge from the coursework section; allows the coursework to be applied in a manner that reflects how it might be used in future work situations; provides a means of extending the skills and understandings gained from formal units to investigate in depth some aspects of the student’s professional practice. Focuses on the extension of acquired knowledge to increase the understanding and competence of skilled professional educators; facilitates the application of innovative research but grows out of the professional coursework. All candidates will proceed through the three required theses steps. Namely, Step (a) Thesis Preparation; Step (b) Thesis Confirmation of Candidature; and Step (c) Thesis Implementation.

Prerequisites: EDR703
Credit Points: 24 each

EDR703 INTERDISCIPLINARY EDUCATION STUDIES (ADVANCED SEMINARS)
A reading and seminar program that aims to broaden and deepen the student’s initial perspective to include elements derived from theoretical perspectives drawn from a number of disciplines; seeks to provide a context of learning for educators who seek the personal and professional benefits that the broadening and deepening of their professional knowledge affords.

Course: ED11
Credit Points: 24

EDR704/1–9 THESIS
Provides students with an opportunity to extend and synthesise knowledge from the coursework section; allows
the coursework to be applied in a manner that reflects how it might be used in future work situations; provides a means of extending the skills and understandings gained from formal units to investigate in depth some aspects of the student’s professional practice. Focuses on the extension of acquired knowledge to increase the understanding and competence of skilled professional educators; facilitates the application of innovative research but grows out of the professional coursework. All candidates will proceed through the three required thesis steps. Namely, Step (a) Thesis Preparation; Step (b) Thesis Confirmation of Candidate; and Step (c) Thesis Implementation.

Course: ED11
Credit Points: 12 each

■ EEB101 CIRCUITS & MEASUREMENTS
The concepts of voltage, current and electrical impedance, simple electrical circuits (R, L and C) and the measurement of electrical quantities using the oscilloscope, meters and bridges; AC theory, errors in measurement, traceability of measurement.
Courses: EE42, EE43, EE44, EE45, IF42, IF44, IF53, IF56, ME35, ME36, ME45, ME46, ME47, IF25
Credit Points: 8 Contact Hours: 3 per week

■ EEB209 ELECTRICAL ENGINEERING 2M
This unit aims to provide a basic understanding of electrical circuits, power calculation in single-phase and three-phase systems, laws of electromagnetism, electromagnetic fields, single-phase transformer, AC and DC machines, basic electronics with some engineering applications.
Courses: IF53, IF56, ME35, ME45, ME46, ME47
Credit Points: 8 Contact Hours: 3 per week

■ EEB210 NETWORK ANALYSIS
This unit develops the use of complex number theory for the solution of electric circuit problems, and introduces the concepts of frequency domain analysis. Topics covered include network theorems, mesh and nodal analysis, complex and three-phase power, the transient response of RL, RC and RLC circuits with step forcing functions, computer aided analysis of circuits using standard software packages (e.g. PSPICE) and Laplace transform theory and application to the transient response of linear circuits under initial conditions, circuit transformation into the frequency domain.
Courses: EE43, EE44, EE45, IF44, IF25
Prerequisites: EEB101
Credit Points: 8 Contact Hours: 4 per week

■ EEB270 DIGITAL DESIGN PRINCIPLES
Binary variables, number systems; signed numbers and codes; Boolean algebra; logic functions, minimisation; implementation of combinational logic by gates, PROMs and GALs; binary arithmetic, adders and subtractors, overflow conditions; synchronous and asynchronous sequential logic; flip-flops, counters and shift registers; state diagrams and transition tables, implementation of sequential machines using feedback, flip-flop, PROMs, GALs, TTL, MOS and CMOS logic families.
Courses: EE43, EE44, EE45, IF23, IF44, IF53, IF56, IF25
Credit Points: 8 Contact Hours: 3 per week

■ EEB302 ELECTROTECHNOLOGY 1
Magnetic circuits, magnetic materials, transformers and electromagnetics devices. Power distribution, three-phase, balanced and unbalanced loads.
Courses: EE44, IF23, EE45, IF44, IF25
Prerequisite: EEB210
Credit Points: 8 Contact Hours: 3 per week

■ EEB310 NETWORK SYNTHESIS
This unit aims to give students a good understanding of the synthesis of networks and filters. Topics discussed include frequency response and Bode plots, stability and realizability of networks, standard filter approximations, the synthesis of passive networks and filters and the synthesis of active filters using positive and negative feedback and three amplifier biquadratic circuits.
Courses: EE43, EE44, EE45, IF44, IF25
Prerequisite: EEB210, MAB188
Credit Points: 8 Contact Hours: 4 per week

■ EEB362 INTRODUCTION TO TELECOMMUNICATIONS
An introduction to the theoretical foundation of communication systems; using the theoretical foundation to develop the operation and characteristics of the basic forms of amplitude and angle modulation; the hardware associated with the generation and detection of the modulation systems.
Courses: EE43, EE44, IF23, EE45, IF44, IF25
Prerequisites: MAB188, EEB210 or EEB271
Credit Points: 8 Contact Hours: 3 per week

■ EEB375 ELECTRONICS 1
Provides basic understanding of the characteristics and operation of discrete semiconductor components; introduces electronic circuit design with emphasis on the low and high frequency response of those circ units; develops the theory and design of feedback structures in electronic circuits and amplifiers.
Courses: EE43, EE44, EE45, IF44, IF25, ME46
Credit Points: 8 Contact Hours: 4 per week

■ EEB380 ENGINEERING MANAGEMENT SKILLS
Writing style, preparation of written documents for engineering and management; spoken English. Oral presentation and speechwriting. Political and technical speeches. Theory of argument and discourse; assertion training, aggressive and passive behaviour. Interpersonal relationships; organisational change and the management of change; professional ethics for engineers and in a wider context; industrial relations; negotiation.
Courses: EE43, EE44, IF23, EE45, IF44, IF25
Credit Points: 8 Contact Hours: 3 per week

■ EEB390 ENGINEERING COMPUTING 1
Students will understand principles and use of C syntax and data structures, program structuring and design, programming style and organisation, and program development in an engineering context. Exposure to Unix in a typical engineering workstation environment will be obtained. Experience will be acquired in programming solutions to important electrical engineering problems and applications, particularly numerical techniques, statistical techniques and circuit/signal techniques.
Courses: EE43, EE44, EE45
Prerequisite: CSB192
Credit Points: 8 Contact Hours: 3 per week

■ EEB400 ELECTROTECHNOLOGY 2
Introduction to electrical power systems calculations; technology of overhead lines and cables; elementary electrical engineering economics.
Courses: EE44, IF23, IF44, IF25
Prerequisite: EEB302
Credit Points: 8 Contact Hours: 3 per week

■ EEB420 CONTROL SYSTEMS 1
This is a first course in feedback control for engineers. It introduces the student to basic control theory, analysis and synthesis. Hardware is introduced through sensors and activation system. Mathematical Modelling of Dynamical Systems; Sensors and Actuation Systems; Characteristics and Performance of Feedback Control Systems; Linear System Stability.
Courses: EE43, EE44, EE45, IF44, IF25
Prerequisite: EEB101
Credit Points: 8 Contact Hours: 3 per week
■ EEB475 MICROPROCESSOR SYSTEMS
To give students a good grounding in the basic principles and practical use of embedded microprocessor/ microcontroller systems, with particular regard to the hardware and software. Parallel data transfer, memory decoding, and Centronics interface; Synchronous and asynchronous serial data communications; RS232, RS422, etc.; DACs and ADC; Instruction sets, machine and assembly language programming; Input/output devices, and timers; Real time clocks and interrupt driven systems; Application of C to the programming of embedded systems.
Courses: EE43, EE44, IF44, IF25
Prerequisites: EEB270, EEB390 or ITB411
Credit Points: 8
Contact Hours: 3 per week

■ EEB476 ELECTRONICS 2
Operational amplifiers; theory and practical applications; comparators; signal conditioning; log, anti-log amplifiers; precision rectifiers; peak detectors and Schmitt trigger; Instrumentation amplifiers; operational amplifier practical design considerations: noise and EMI; circuit layouts for high frequency applications; interfacing techniques. Power semiconductor devices: power diode, Zener diode, SCR, GTO, Triac, BJT, MOSFET and IGBT and their control; Power amplifiers: classes A, B, AB; alternating current control circuits using SCRs and Triacs; rectifiers and unregulated power supply theory and design; Series voltage regulator power supplies: overload protection and foldback; integrated circuit regulators design; switched mode regulator; buck and boost regulators, theory and design.
Courses: EE44, EE45, EE43, IF44, IF25
Prerequisite: EEB375
Credit Points: 8
Contact Hours: 4 per week

■ EEB530 ENGINEERING ELECTROMAGNETICS
The aim of this subject is to develop the student’s understanding of the basic theory leading to the development and solution of Maxwell’s Equations. An objective is to develop his intuitive as well as his theoretical understanding and leave the development of more advanced concepts of the theory until later in the course.
Course: EE44, EE45, IF44, IF25
Prerequisite: EEB400, MAB486, PHB234
Credit Points: 8
Contact Hours: 3 per week

■ EEB532 POWER SYSTEMS 1
 Courses: EE44, EE45, IF44, IF25
Prerequisite: EEB400
Credit Points: 8
Contact Hours: 3 per week

■ EEB564 INFORMATION THEORY
MODULATION & NOISE
Information in discrete and continuous channels, coding efficiency, statistical description of noise, effects of transformations on signal parameters, error rates, effect of noise in information transfer.
Courses: EE43, EE44, IF44
Prerequisites: EEB362, EEB566
Credit Points: 8
Contact Hours: 3 per week

■ EEB565 SIGNALS & LINEAR SYSTEMS
A detailed study of Fourier theory applied to signals, an overview of systems and their representation, response of systems to signals.
Courses: EE43, EE44, IF23, EEB45, IF44, IF25
Prerequisites: EEB362, MAB486, EEB310
Credit Points: 8
Contact Hours: 3 per week

■ EEB582 AEROSPACE DESIGN 1
Study of the environmental factors affecting the design of aerospace equipment particularly in relation to US and Australian standards and specifications (e.g. US Mil Specs, FAA/CA requirement such as FAR 23, 25 and Technical Service Orders, Australian certification requirements both civil and military). Examination in detail of the operating regime for avionics equipment such as the properties of the atmosphere (temperature, pressure, humidity), design load factors for aeronautical equipment, reliability and duplication requirements.
Course: EE43
Credit Points: 8
Contact Hours: 3 per week

■ EEB587 DESIGN 1
General principles of electronic circuit and electrical equipment design and the realisation of typical electronic circuits and equipment.
Courses: EE44, IF23, EE45, IF44, IF25
Prerequisite: EEB476
Credit Points: 8
Contact Hours: 3 per week

■ EEB593 SOFTWARE SYSTEMS ENGINEERING
Students will learn concepts, issues, theory, techniques and practice of software engineering methodologies. They will examine and develop applications software for high level and low level (embedded) systems. They will gain experience in use of computer assisted software engineering facilities and will undertake a major software design and construction project for an extensive electrical engineering task. Software design principles; OOP as a paradigm for SW design; program development tools; human-computer interaction.
Courses: EE43, EE44, EE45
Prerequisite: EEB390
Credit Points: 8
Contact Hours: 3 per week

■ EEB624 CONTROL SYSTEMS 2
Courses: EE43, EE44, EE45, IF44, IF25
Prerequisites: EEB420
Credit Points: 8
Contact Hours: 3 per week

■ EEB632 POWER SYSTEMS 2
Fault analysis (unbalanced faults) on power systems using symmetrical component techniques. Power flows in electrical networks using Gauss-Seidel and Newton-Raphson techniques. Studies of the cause and effects of travelling waves on transmission systems. Computer analysis techniques are practised in all areas to reinforce understanding of each topic.
Course: EE43, EE45, IF44, IF25
Prerequisite: EEB532
Credit Points: 8
Contact Hours: 3 per week

■ EEB665 TRANSMISSION & PROPAGATION
Transmission line theory, terminated line, Smith Circle Chart usage and lattice diagram; propagation modes in wave guides and optical fibres; free-space propagation, ionospheric and ground wave propagation; basic antenna parameters.
Courses: EE43, EE44, IF23, EEB45, IF44, IF25
Prerequisite: EEB530
Credit Points: 8
Contact Hours: 3 per week

■ EEB667 DIGITAL COMMUNICATIONS
The theory and applications of digital communications technology; baseband digital signals are introduced;
pulsed signal, signal regeneration, measurement techniques and the digital coding of analogue signals are treated; such applications as digital radio systems, digital telephone and computer networks, error-control in digital networks and ISDN.

**Courses**: EE43, EE44, IF23, EE45, IF44, IF25

**Prerequisites**: EEB564

**Credit Points**: 8  
**Contact Hours**: 3 per week

**EEB668 DIGITAL SIGNAL PROCESSING**

Introduction to digital signal processing; discrete Fourier transform; discrete convolution; digital filtration and spectral estimation.

**Courses**: EE43, EE44, IF23, EE45, IF44, IF25

**Prerequisites**: EEB565, MAB893

**Credit Points**: 8  
**Contact Hours**: 3 per week

**EEB682 ENGINEERING BUSINESS SKILLS**

To provide students with sufficient grounding in business practice, for them to appreciate the fundamental links between engineering practice and business. There should be adequate skills for young professional engineers to start or be an active partner in a small business.

**Courses**: EE43, EE44, EE45, IF44, IF25

**Credit Points**: 8  
**Contact Hours**: 3 per week

**EEB683 AEROSPACE DESIGN 2**

Designing for reliability as required by the aviation and aerospace industry will augment practical design assignments; assignments require that design problems be solved analytically and the results confirmed by equipment construction and practical measurement; computer-aided design, computer simulation and programming may be required.

**Course**: EE43

**Prerequisites**: EEB362, EEB400, EEB582, EEB624

**Credit Points**: 8  
**Contact Hours**: 3 per week

**EEB691 AERONAUTICAL COMPUTING**

Suitable languages such as ADA are used to implement embedded aviation computer systems and practical experience is gained in the application of object-oriented software design, concurrence and distributed systems used in the aerospace industry.

**Course**: EE43

**Prerequisite**: EEB390, EEB475

**Credit Points**: 8  
**Contact Hours**: 3 per week

**EEB692 SPACE TECHNOLOGY**

Review of world launch capability; spherical trigonometry; orbits and trajectories, e.g. launch orbits, geostationary orbits, G.P.S. satellite orbit requirements; gravitational fields, Lagrange points, orbital dynamics and parameters; special purpose orbits; orbit determination from tracking data; payload techniques; upper atmospheric meteorology and introduction to astronomy.

**Course**: EE43

**Credit Points**: 8  
**Contact Hours**: 3 per week

**EEB693 REAL-TIME OPERATING SYSTEMS**

Theory and practical aspects of the use of microprocessors and computers as components in time critical engineering applications; methods of guaranteeing computer response within a specified time; applications related to embedded systems and some business applications; design of new systems and study of existing systems.

**Courses**: EE43, EE44, IF23, EE45

**Prerequisite**: EEB593

**Credit Points**: 8  
**Contact Hours**: 3 per week

**EEB722 FLIGHT CONTROL SYSTEMS**

Principles and description of flight control systems; performance of aircraft in flight; analysis and simulation of flight control systems; cross-coupling parameters; methods of coupling terrain following radar and other navigational aids; mechanical systems; analogue augmented systems; digital augmented systems; digital computer control relating to multiplex buses (Mil spec); artificial stability; automatic pilots during flight and landing; fibre-optic control; fly-by-wire systems; use of redundancy.

**Course**: EE43

**Prerequisites**: MEB553

**Credit Points**: 8  
**Contact Hours**: 3 per week

**EEB730 RADAR & RADIO NAVIGATION**

Radar equation; theory of reception; matched filtering; principles of detection; types of radars; primary and secondary radars; surveillance; tracking; navigation; terrain-following radar; radar techniques including doppler extraction, moving target indicator, pulse compression, ranging parameter optimisation, application of matched filtering and Wiener and Kalman filtering; detailed and systematic study of navigational systems; microwave landing systems.

**Course**: EE43

**Prerequisites**: EEB665, EEB765, EEB668

**Credit Points**: 8  
**Contact Hours**: 3 per week

**EEB741 POWER SYSTEMS ANALYSIS**

Economic operation of power systems, system stability, power system control; HVDC power transmission; advanced harmonic analysis; surge phenomena in machine and transmission lines.

**Course**: EE44, EE45, IF44, IF25

**Prerequisite**: EEB632

**Credit Points**: 8  
**Contact Hours**: 3 per week

**EEB752 POWER ELECTRONICS**

Review of modern switching components, characteristics and device control methods; principles of operation of controlled rectifiers and chopper techniques for DC motor control; quasi-square and PWM inverters for induction and synchronous motor control; static switches for induction motor soft start control and static VAR compensation; induction motor drive and DC motor drive control strategies; harmonic analysis and waveform modelling analysis.

**Course**: EE44, EE45, IF44, IF25

**Prerequisite**: EEB476

**Credit Points**: 8  
**Contact Hours**: 3 per week

**EEB762 COMMUNICATIONS TECHNOLOGY**

Introduction to three important communication technology areas. Study of the techniques for system design and performance analysis of mobile and satellite communication systems; study of the fundamentals of optical fibre communication systems.

**Course**: EE44, EE43, EE45, IF44, IF25

**Prerequisites**: EEB564, EEB667

**Credit Points**: 8  
**Contact Hours**: 3 per week

**EEB763 MODERN SIGNAL PROCESSING**

Introduction to signal processing and an overview of some practical applications of signal processing. Review of probability and statistics; random variables; elements of statistics. Stochastic (random) processes: definition, stationarity and ergodicity. Covariance functions: Random signals and linear systems: input-output relationships; Gaussian random processes; examples. Matched filters; general properties; results in white noise; correlation processing; Wiener filters; general properties. Detection and estimation theory: the basic components of the theory.

**Courses**: EE43, EE44, EE45, IF25, IF44

**Prerequisites**: EEB563, MAB893

**Credit Points**: 8  
**Contact Hours**: 3 per week

**EEB765 MICROWAVE & ANTENNA TECHNOLOGY**

Propagation in rectangular and circular guides, guide components, microwave active devices, high frequency
techniques, antennas, antenna arrays, computer-aided antenna design, antenna measurements. Courses: EE43, EE44, EE45, IF44, IF25
Prerequisite: EEB865
Credit Points: 8 Contact Hours: 3 per week

- **EEB780 AEROSPACE DESIGN 3**
  Practical design assignments consisting of detailed design and realisation of typical subsystems used in all areas of the avionics industry; assignments require that design problems be solved analytically and the results confirmed by equipment construction and practical measurement; computer-aided design, computer simulation and programming may be required.
  Course: EE43
  Prerequisites: EEB475, EEB668, EEB683
  Corequisites: EEB947, MEB790
  Credit Points: 8 Contact Hours: 3 per week

- **EEB787 AEROSPACE PROJECT**
  An individual engineering project on a special subject. The work requires design, computing, construction and experimental work and practical testing with the submission of appropriate reports; the topic is selected from aerospace engineering and involves electronics, computing, control, communication and electrical power; it may include programming, circuit and system design.
  Course: EE43
  Credit Points: 24 Contact Hours: Average 5 per week

- **EEB788 DESIGN 2**
  Design principles and practice of more complex electronic circuits; electrical equipment and systems.
  Courses: EE44, IF23, EE45, IF44, IF25
  Prerequisites: EEB302, EEB587, EEB420
  Credit Points: 8 Contact Hours: 3 per week

- **EEB791 ADVANCED ENGINEERING COMPUTING 1**
  An examination of underlying theory and algorithms pertaining to selected advanced computational techniques for selected areas of engineering problems. Practical experience in the use of existing software and in constructing their own implementations of some techniques, for engineering problems, is obtained. Artificial intelligence techniques; optimisation techniques; simulation techniques.
  Course: EE44, EE45, IF44, IF25
  Prerequisite: EEB593 or ITB424
  Credit Points: 8 Contact Hours: 3 per week

- **EEB820 ENGINEERING MANAGEMENT**
  Economic analysis of electrical engineering projects; present worth and annual cost calculations. Assessment of tenders: project management, critical paths and linear programming methods; contract administration. Engineering case studies.
  Courses: EE43, EE44, IF23, EE45, IF44, IF25
  Credit Points: 8 Contact Hours: 3 per week

- **EEB822 ADVANCED CONTROL SYSTEMS**
  Course: EE44, EE43, EE45, IF44, IF25
  Prerequisites: EEB624
  Credit Points: 8 Contact Hours: 3 per week

- **EEB842 POWER SYSTEMS ENGINEERING**
  Substation engineering, protection of plant, substation earthing, system overvoltages, insulation coordination, HV switchgear.
  Course: EE44., EE45, IF44, IF25
  Prerequisite: EEB532
  Credit Points: 8 Contact Hours: 3 per week

- **EEB869 SIGNAL FILTERING & ESTIMATION**
  Modern spectral estimation, parametric and non-parametric; time frequency analysis and instantaneous frequency estimation; definition and implementation of higher order spectra; application to signal detection and classification.
  Courses: EE44, IF23, EE43, EE45, IF44, IF25
  Prerequisite: EEB668
  Credit Points: 8 Contact Hours: 3 per week

- **EEB871 APPLIED ELECTRONICS**
  Analysis of the characteristics and applications of a variety of integrated devices; particular attention is given to new products; errors and quality of design.
  Courses: EE43, EE44, IF23, EE45, IF44, IF25
  Prerequisite: EEB476
  Credit Points: 8 Contact Hours: 3 per week

- **EEB881 PRODUCTION TECHNOLOGY & QUALITY**
  The methodology of electronic system design, the range of production processes in electronic manufacture, and the quality control procedures at both prototype and full production stages.
  Courses: EE43, EE44, IF23, EE45, IF44, IF25
  Prerequisite: EEB587, EEB788
  Credit Points: 8 Contact Hours: 3 per week

- **EEB885 DESIGN 3**
  Detailed design and realisation of typical electronic and power based subsystems used in all areas of electronic systems and power systems engineering.
  Courses: EE44, IF23, EE45, IF44, IF25
  Prerequisite: EEB788
  Credit Points: 8 Contact Hours: 3 per week

- **EEB889 PROJECT**
  An individual engineering project on a specified topic is completed; the work will require design, computing, construction, experimental work and practical testing with the submission of appropriate reports; the topic is selected from any area which involves electronics, computing, control, communication and educational power and may include programming, circuit and system design.
  Courses: EE44, IF23, EE45, IF44
  Corequisites: This unit must be done in the final year of the course.
  Credit Points: 324
  Contact Hours: Average 5 per week

- **EEB891 SIGNAL COMPUTING & REAL-TIME DSP**
  Signal theory; speech processing; image processing and real-time DSP; the fundamentals of signal processing concepts; applications of signal processing techniques.
  Courses: EE43, EE44, IF23, EE45, IF44, IF25
  Prerequisites: EEB668
  Credit Points: 8 Contact Hours: 3 per week

- **EEB892 ADVANCED ENGINEERING COMPUTING 2**
  Selected basic graphic techniques and writing of simple engineering graphics software; application of graphics software libraries and interactive graphics facilities; appreciation of graphical user environments, interface, windows and graphical tools; an understanding of and ability to use 2D/3D/4D data visualisation techniques, and spatial data manipulation.
  Course: EE44, EE43, EE45, IF44, IF25
  Prerequisites: EEB393 or ITB424
  Credit Points: 8 Contact Hours: 3 per week
EWEBroa PHOTOVOLTAIC ENGINEERING
The various aspects of photovoltaic systems including flat panel and concentrating solar cells, series-parallel connection for optimal array design, array measurements, power conditioning, load management, energy storage, system costs, and balance of subsystems. Course: EE43, EE44, IF23, EE45, IF44, IF25 Prequisite: EEB387
Credit Points: 8 Contact Hours: 3 per week

EWEBroa INDUSTRIAL CONTROL SYSTEMS
Courses: EE45, IF23, IF25, IF44
Prequisite: EEB420, EEB624
Credit Points: 8 Contact Hours: 3 per week

EWEBroa AUTOMATIC FLIGHT CONTROL
The application of design principles to the Flight Control Systems of modern civil and military aircraft. Derivation of transfer functions for aircraft and missiles including effects of vibration and other perturbations on servo systems along with servo actuators and sensors. Use of conventional and modern control theory to analyse and design lateral-directional stability augmentation systems and control augmentation systems. Study of autopilot design for various tasks including turn coordination and automatic landing, stabilisation of aircraft and adaptive control systems.
Course: EE43
Prequisite: EEB722
Credit Points: 8 Contact Hours: 3 per week

EWEBroa COMBAT SYSTEMS
Sound generation propagation and analysis in the maritime environment; principles and application of lasers to sighting and guidance systems; principles of detection of submarines using magnetometers; infra-red propagation and its use in detection and weapons guidance; including ECM/ECCM; sonar processing; laser processing and guidance; radar guidance/sighting; gun sights; weapons control systems; IFF/ transponders; command and control; magnetic anomaly detection; tactical navigation systems; infra-red.
Course: EE43
Prequisite: EEB930
Credit Points: 8 Contact Hours: 3 per week

EWEBroa ADVANCED COMMUNICATIONS & NAVIGATION SYSTEMS
Expansion of previous theory; develop an increased understanding of systems previously described; complex algebra required for error-correcting codes and autocorrelation and cross-correlation of pseudo-noise sequences; investigation and simulation of error-correcting communication systems; detailed investigation into modern communication systems; theory of acquisition and tracking using delay-lock and similar techniques; use of fast-fourier and parallel processing the Global Positioning System (GPS); position fixing using GPS.
Course: EE43
Prequisite: EEB362, EEB665, EEB765, EEB668
Credit Points: 8 Contact Hours: 3 per week

EWEBroa ADVANCED SATELLITE SYSTEMS
Design of communication systems for spacecraft; spacecraft and ground stations performance; special modulation methods; coherent frequency translation modes of operation; analysis of intermodulation distortion; carrier regeneration or synchronisation and acquisition and tracking requirements; analogue and digital processing of signals in the presence of noise; factors affecting accuracy of ranging; characterisation of spacecraft components and a critical evaluation of alternative design methods; design parameters of various aerial systems; design of low-noise amplifiers; description of B-MAC telecommunication system.
Course: EEB957
Prequisite: EEB962
Credit Points: 8 Contact Hours: 3 per week

EWEBroa ELECTRICAL ENERGY UTILISATION
Review of modern insulating materials; high voltage test methods and apparatus; characteristics of electrical insulation theories of breakdown in dielectrics; non-destructive testing methods, dielectric loss angle, partial discharge; voltage surge distribution in power equipment; overhead line insulation and lightning.
Course: EE44, IF23, EE45, IF44, IF25
Prequisite: EEB400
Credit Points: 8 Contact Hours: 3 per week

EWEBroa POWER ELECTRONICS APPLICATIONS
Review of power electronic switching devices; variable speed AC and DC drives; high voltage DC transmission (HVDC); standard static VAR compensators and new developments. Uninterruptible power supplies (UPS); induction heating; high frequency switching technology in variable speed AC drives; power electronic physical layout considerations.
Course: EE44, IF23, EE45, IF44, IF25
Prequisite: EEB752
Credit Points: 8 Contact Hours: 3 per week

EWEBroa STATISTICAL COMMUNICATIONS
PCM quantisation noise in uniform and non-uniform quantisation; effects of channel noise on S/N; delta and delta-sigma modulations; threshold extensions, spread spectrum, matched filtering and correlation.
Course: EE43, EE44, IF23, EE45, IF44, IF25
Prequisite: EEB564, EEB668
Credit Points: 8 Contact Hours: 3 per week

EWEBroa MICROWAVE SYSTEMS ENGINEERING
Microwave thermionic and semiconductor devices; amplifier design using scattering parameters; passive microwave devices; non-linear networks and ferrites; array theory and design, microwave antennae.
Courses: EE43, EE44, IF23, EE45, IF44, IF25
Prequisite: EEB665
Credit Points: 8 Contact Hours: 3 per week

EWEBroa VLSI CIRCUITS AND SYSTEMS
Design of digital integrated circuits at mask level, symbolic level, transistor level and module level; IC planar fabrication process; Implementation technologies including FPGAs, Gate Arrays, Standard Cells and full-custom ICS; CAD tools for specification, layout verification and testing; memory circuits and systems.
Courses: EE44, EE43, IF23, IF44, EE43, IF25
Prequisite: EEB474 or EEB475
Credit Points: 8 Contact Hours: 3 per week
EEB990 ADVANCED INFORMATION TECHNOLOGY TOPICS
Supercomputer principles, architectures, characteristics, performance measures. Hardware components for supercomputers; parallel programming environments, automatic code parallelization techniques; parallel algorithm design and development approaches; parallel computer system process scheduling strategies and load balancing; numerical applications; computer graphics applications; case study.
Courses: EE43, EE44, EE45, IF25, IF44
Prerequisites: EEB593 or ITB424
Credit Points: 8  Contact Hours: 3 per week

EEB999 ADVANCED ELECTRICAL ENGINEERING TOPICS
Students are introduced to the current technology that is the expertise of visiting specialists or staff within the School.
Course: EE43, EE44, EE45, IF44, IF25
Prerequisites: As required
Credit Points: 8  Contact Hours: 3 per week

EEP101 ALGORITHMS FOR CONTROL & ENGINEERING
Solution of equations using numerical analysis methods and computer algorithms; differential and difference equations, numerical approximations and computational flow diagrams. Computer control of closed-loop systems, continuous and discrete systems, system hardware, sampled data systems design techniques, system simulation; state-space theory, and system performance optimisation; state equation, transformations, state equation solution, closed-loop system pole-placement design, performance criteria, dynamic optimisation methods; spectral analysis and digital filtering; discrete time adaptive filters; an introduction to neural networks and to fuzzy logic.
Courses: CE74, EE65, EE76
Credit Points: 12  Contact Hours: 3 per week

EEP102 UNIX & C FOR ENGINEERS
Introduction to Operating Systems: commonly used commands, the file structure, the Shell, the vi Editor, Shell script; Types, operators and expressions, control flow, functions, pointers and arrays, structures, input and output. Applications of C and Unix in real time signal processing and control.
Courses: CE74, EE65, EE76
Credit Points: 12  Contact Hours: 3 per week

EEP103 COMPUTER HARDWARE & INTERFACING
State-of-the-art digital devices; design and implementation of digital systems; microprocessors and microcontroller systems and interfacing; computer architectures, subsystems and peripherals.
Courses: EE65, EE76
Credit Points: 12  Contact Hours: 3 per week

EEP104 REAL-TIME OPERATING SYSTEMS
Definition and introduction; review of current commercial real time operating systems, including QNX and UNIX-like operating systems. Structure: management; input/output management; file management; resource allocation and scheduling; protection; job control and multitasking. Development of programming skills: structured programming techniques, modular programming techniques; documentation of programs; interrupt handling techniques. Using assembler and high-level languages.
Courses: CE74, EE65, EE76
Credit Points: 12  Contact Hours: 3 per week

EEP120 NETWORKS & DISTRIBUTED COMPUTING
The Open System Interconnection model and the more common standards which support the model; layers 3-7 covered in depth, layers 1 and 2 covered by reference; computers, software packages; network topologies, software techniques, data transfer protocols; examples of local and wide area networks; hardware implementation of OSI layers and protocols; Modern High Performance Networking protocols such as FDDI and ATM. treated as extensions of the OSI model.
Courses: CE74, EE65, EE76
Credit Points: 12  Contact Hours: 3 per week

EEP121 PARALLEL & SUPER COMPUTING
Systems engineering design and economics of High Performance Computers; vector processing and parallel computing technology; students will have access to vector and parallel computers and may be required to undertake a small research project.
Courses: EE65, EE76
Credit Points: 12  Contact Hours: 3 per week

EEP122 GRAPHICS & COMPUTER VISION
An introduction to the human visual system computer graphics and the modelling of digital images. It also provides an introduction to a range of digital image process methods, system pattern recognition and image synthesis.
Courses: EE65, EE76
Credit Points: 12  Contact Hours: 3 per week

EEP123 PROCESS CONTROL & ROBOTICS
Introduction to robotics; introduction to CNC machine tools; process control; controller tuning, plant characterisation and process optimisation; computer simulation and algorithms.
Courses: EE65, EE76
Credit Points: 12  Contact Hours: 3 per week

EEP124 DATA COMMUNICATIONS
The OSI Model - overview; examples of channels; physical layer interface standards; multiple access methods; modems; data coding error detection and correction; data compression and encryption; public networks, and other specialised topics.
Courses: CE74, EE65, EE76
Credit Points: 12  Contact Hours: 3 per week

EEP125 ADVANCED ENGINEERING SOFTWARE TOOLS
Numerical techniques and computer software tools in procedural and non-procedural languages as well as specialised commercial applications packages for the analysis and design of data transmission systems. Techniques and applications of interest to students may be included in small research projects with guidance.
Courses: EE65, EE76
Credit Points: 12  Contact Hours: 3 per week

EEP126 COMMUNICATIONS DIGITAL SIGNAL PROCESSING
Source and channel coding; waveform coding; adaptive filtering in communication; applications of speech technology in communication; applications of DSP technology; real time DSP devices and their applications in communications.
Courses: CE74, EE76
Credit Points: 12  Contact Hours: 3 per week

EEP127 ADVANCED TOPIC B
An advanced topic in the field of computers and communication engineering. This topic will change from year to year and is announced at the beginning of the semester.
Courses: CE74, EE76
Credit Points: 12  Contact Hours: 3 per week

EEP128 DETECTION & ESTIMATION
Introduction to the theory of random variables and probability; signal detection; hypothesis tests, Neyman-

Courses: CE74, EE76
Credit Points: 12  Contact Hours: 3 per week

- **EEP129 IMAGE PROCESSING & COMPUTER VISION**
  Image representation and modelling; image enhancement; image restoration; image representation by stochastic models, boundary detection techniques and algorithms; image segmentation; shape description techniques; neighbourhood operators; mathematical morphology. Other specialised topics may be included as small research projects.

Courses: CE74, EE65, EE76
Credit Points: 12  Contact Hours: 3 per week

- **EEP135 ADVANCED DIGITAL SIGNAL PROCESSING**
  General properties of stationary processes; basic spectral properties of the processes; practical aspects of digital spectral estimation; identification of linear systems; digital higher-order spectral estimation; identification of non-linear systems; an update in the advances in digital signal processing.

Courses: CE74, EE76
Credit Points: 12  Contact Hours: 3 per week

- **EEP137 ADVANCED TOPIC**
  An advanced topic in the field of computers and communication engineering. This topic will change from year to year and is announced at the beginning of the semester.

Courses: CE74, EE76
Credit Points: 12  Contact Hours: 3 per week

- **EEP201 FUNDAMENTALS OF POWER SYSTEM EARTHING**
  Electrode resistance, potential gradient areas of common types of electrodes; multiple electrodes; stratified grounds; electric shock, calculation of step and touch potentials; introduction to substation earthing; ground potential rise, connection of services, grid and mesh potentials; measurement of soil resistivity and electrode resistance; earthing of transmission lines; tower foot resistance; current division between ground and aerial earth wires; division of earth currents at substations; earth current distribution on faulted lines; distribution systems: MEN, SWER, safety during faults; flow of lightning currents to ground.

Courses: EE82, EE60, EE78
Credit Points: 4  Contact Hours: 3 per week

- **EEP202 THERMAL RATINGS & HEAT TRANSFER**
  Thermal conduction in simple geometries; forced and natural convection from plates and cylinders - common heat transfer correlations; radiation from hot surfaces - view factors; calculation of steady-state and time-variation temperatures in conductors; temperature measurement methods for high voltage equipment; thermal ratings of overhead lines - steady-state, cyclic and short-time ratings; cable rating - temperature rise due to step current, cyclic and emergency loads; temperature rise of power transformers - cooling methods, emergency overloads.

Courses: EE82, EE60, EE78
Credit Points: 4  Contact Hours: 3 per week

- **EEP203 TESTING & CONDITION MONITORING**

Courses: EE82, EE60, EE78
Credit Points: 4  Contact Hours: 3 per week

- **EEP204 POWER SYSTEM LOAD FLOW ANALYSIS**
  p.u. revision; Data collection methods; load flow algorithms: convergence criteria, multiple solutions, starting values, ordering and sparsity of matrices; single and three-phase models: transformers, tap changers, overhead transmission lines, underground cables, capacitors and filters, controlled reactive devices, generators and motors, load representation. Load flow applications: base case and contingency analysis in planning augmentation options, system operations contingency analysis; Load flow analysis methodology - use of load forecasts, establishment of 'base case'; Practice in analysis of transmission and distribution systems using an interactive package.

Courses: EE82, EE60, EE78
Credit Points: 4  Contact Hours: 3 per week

- **EEP205 POWER SYSTEM FAULT CALCULATIONS**
  Representation of generators, lines, transformers in positive sequence equivalent circuits; balanced fault analysis; selection of source voltages from pre-fault conditions; unbalanced fault conditions; complete sequence representation of power system equipment: transformers, cables and lines (including mutual coupling of parallel lines); per unit positive, negative and zero sequence network diagrams; calculation of generator and transformer sequence equivalent circuits from manufacturer's test data; calculation of line sequence impedances from line layout and soil resistivity - inclusion of tower foot resistances in zero sequence models; residual currents in untransposed lines; interference with telecommunications circuits; short circuit calculations to AS3581 using an interactive computer package.

Courses: EE82, EE60, EE78  Prerequisite: EEP204
Credit Points: 4  Contact Hours: 3 per week

- **EEP206 PROJECT MANAGEMENT**
  Principles of project management and the operation of project management packages. Emphasis on the practical application of PC packages based on exercises related to the electricity supply industry and aimed at promoting the increased use of such packages by engineering and technical staff in the normal course of their work. Details include activity networks, Gantt charts, time schedules, analysis of critical path, types of resources, resource profiles, resource scheduling, project monitoring and reporting.

Courses: EE82, EE60, EE78
Credit Points: 4  Contact Hours: 3 per week

- **EEP207 OVERHEAD LINE ROUTE SELECTION - ENVIRONMENTAL FACTORS**
  Overview of Legislation, Standards and Guides: radio interference, electromagnetic fields, low frequency induction, touch potentials, structure earthing, electrolytic

Courses: EE82, EE60, EE78
Credit Points: 4 Contact Hours: 3 per week

- **EEP208 ECONOMIC ANALYSIS FOR POWER SYSTEM ENGINEERS**
  Principles of economic analysis for a tax paying entity. Various evaluation techniques are addressed including both discounted and non discounted techniques. The net present value approach is settled on as being the most appropriate approach. Issues such as the effect of interest and inflation on nominal cash flows are addressed. Cost benefit analysis for engineering decision making: econometric models for ESI, maintenance, refurbishment and replacement. Budgeting and cost control, budget preparation with spreadsheets, cash flows, monitoring expenditure and budget review, profit and loss and balance sheets. Risk analysis including WACC calculations, stochastic simulation and sensitivity.

Courses: EE82, EE60, EE78
Credit Points: 4 Contact Hours: 3 per week

- **EEP209 POWER SYSTEM HARMONICS**
  Generation of harmonics: converters, arc furnaces, SVC, inverters, electronic control; system response characteristics: resonance conditions, effect of load, typical system responses; effects of harmonics: motors, generators, power cables, capacitors, electronic equipment, metering, relaying, telephone interference; reactive power compensation and harmonic control: converter power factor, reactive power compensation, control of harmonic currents; measurement of harmonics; recommended practices including AS2279.

Courses: EE82, EE60, EE78 Prerequisite: EE205
Credit Points: 4 Contact Hours: 3 per week

- **EEP210 ABNORMAL SYSTEM VOLTAGES**
  Supply quality standards: review of criteria, statutory requirements, emergency and short term limits; 50 Hz voltage: cause of voltage deviations, voltages during faults, motor starting; negative phase sequence voltages: A1359 requirements, voltage unbalance studies, modelling, measurement; voltage transients and flicker: AS2279 requirements, disturbing loads, remedial measures, transient disturbances and power system plant; Power system transient analysis: ATP studies.

Courses: EE82, EE60, EE78 Prerequisite: EE205
Credit Points: 4 Contact Hours: 3 per week

- **EEP211 BASIC POWER SYSTEM PROTECTION**

Courses: EE82, EE60, EE78

- **EEP212 ADVANCED POWER SYSTEM PROTECTION**
  Specification of current transformer (CT) to cope with fault currents that include an exponentially decaying transient DC component. Voltage transformer (VT) transient performance. Design and implementation of distance relay protection schemes. Specification and understanding of protection signalling schemes. Principles associated with feeder current differential protection. Advanced principles and setting of high impedance protection. Principles of protection of large generators together with the determination of generator protection relay settings. Protection of large motors together with the determination of motor protection relay settings. Principles associated with protection of high voltage capacitor banks together with the determination of capacitor bank protection relay settings. Overall principles of protection design and modern developments and trends with the application of protection to power systems.

Courses: EE82, EE60, EE78
Credit Points: 4 Contact Hours: 3 per week

- **EEP213 STATISTICS**
  The role of statistics in electricity supply engineering. Strategies for collecting and recording valid data from which statistical inferences can be made: use of operational and inventory data. Graphical and numerical techniques to summarise data using statistical or spreadsheet packages. Review of probability concepts, random variables, probability distributions. Specific distributions used in system and component reliability studies.

Courses: EE82, EE60, EE78
Credit Points: 4 Contact Hours: 3 per week

- **EEP214 RISK ASSESSMENT IN THE ELECTRICITY SUPPLY INDUSTRY**
  Identification of hazards: failure modes and effects analysis, failure modes effects and criticality analysis - outcomes from possible failure modes; hazard and operability studies; assessment of frequency - fault tree analysis, event tree analysis; assessment of consequences: consequence analysis, critically assessment in terms of chance of failure and consequences, incident scenario, damage criteria, damage identification; legal and economic consequences; case studies including identification of hazards, assessment of risks, and consequences in ESI. Loss of load models in generation.

Courses: EE82, EE60, EE78 Prerequisite: EEP211
Credit Points: 4 Contact Hours: 3 per week

- **EEP215 RELIABILITY**

Courses: EE82, EE60, EE78 Prerequisite: EEP213
Credit Points: 4 Contact Hours: 3 per week
EEP216 OVERHEAD LINE DESIGN – ELECTRICAL
Electrical design of transmission lines with ratings of 33kV to 500kV; economic conductor size; characteristics of conductors; standard and new technology insulators; power frequency, impulse and switching flashover voltages; pollution flashover and wet and dry flashover mechanical characteristics; feasible structure types; tower footing resistance and counterpoise; Insulation coordination methodology; determination of overvoltage withstand, design for required outage; determination of RI using state of the art methods; design to ensure that electrostatic and electromagnetic fields do not exceed NH & MRC guidelines.
Courses: EE82, EE60, EE78
Prerequisites: EEP201, EEP202, EEP203, EEP205, EEP207, EEP210
Credit Points: 4
Contact Hours: 3 per week

EEP217 OVERHEAD LINE DESIGN – MECHANICAL
Courses: EE82, EE60, EE78
Prerequisites: EEP208, EEP216
Credit Points: 4
Contact Hours: 3 per week

EEP218 INTRODUCTION TO AUTOMATED SYSTEM CONTROL & SUPervisory SYSTEMS
SCADA fundamentals and protocols; SCADA equipment: master station, remote terminal units; transmission SCADA systems, distribution automation systems, distribution control systems, PC software applications; alarm philosophy and control principles: definition of system displays, data logging, database point processing and attributes, master station configuration; specification of MMI: identification of system functional requirements; computer system platforms; computer technology: computer hardware – processors, peripherals, display, user interfaces; communication system principles, communications bearer fundamentals, data networks and protocols; data communications and I/O capacities and types; I/O processing: application of SCADA systems to transmission and distribution systems; cost/benefits of alternative schemes.
Courses: EE82, EE60, EE78
Credit Points: 4
Contact Hours: 3 per week

EEP219 HIGH VOLTAGE SUBSTATION EQUIPMENT; POWER TRANSFORMERS & REACTIVE POWER PLAN
Principles of power transformer design from distribution transformers to EHV transformers: ratings, windings, core structure and materials, insulation and cooling methods, insulation and lifetime; leakage and magnetising reactance; losses, harmonics and inrush currents; short circuit forces; tests to measure: ratio, losses, impedance, phasing, temperature rise, accuracy and traceability of tests, interpretation of test reports; surge phenomena in windings, RSG and impulse testing of power transformers, interpretation of test results; oil cooling systems; fire protection; tap changers and associated controls; analysis of transformer failure modes; in-phase and quad-boost regulators; series and shunt reactors; reactors for harmonic filters; SVCs: design considerations, equipment characteristics and equipment characteristics.
Courses: EE82, EE60, EE78
Prerequisites: EEP202, EEP203
Credit Points: 4
Contact Hours: 3 per week

EEP220 DISTRIBUTION PLANNING
Identify data and techniques used in load forecasting. Examine typical distribution network problems and identify performance limitations based on standards. Relate network problems to different configurations and the effects on customers. Study network reinforcement options on a simulation package. Options include regulators, series and shunt capacitors and reconductoring. Consider the above options to address a realistic network problem assessing line losses and voltage results. Analyse network reliability and assess the impact of ties, switches and various network configurations. Compare alternatives based on economic and technical considerations. Prepare a logical case which recommends one option in the form of a report.
Courses: EE82, EE60, EE78
Prerequisites: EEP205, EEP208
Credit Points: 4
Contact Hours: 3 per week

EEP221 LIMITS TO POWER SYSTEM STABILITY
Time domain models and characteristics of synchronous machines; induction generator models; assessment of model bandwidth for use in dynamic studies; excitation system models, turbine governor models, boiler models, hydraulic system models; characteristics of load plant; evaluation of small signal adequacy by eigenvalue analysis; determination of modes of electromechanical and control systems; identification of modes with insufficient damping, eigenvalue participating states and eigenvectors; establishment of transfer evaluation of gains/phases at identified model frequencies; time domain dynamic simulations of power system operation; numerical models for prediction of large disturbance behaviour of interconnected power systems; stability of system under contingency and emergency conditions; stability improvement using: controlled reactive devices, special control systems, braking resistors, U/F load shedding, FACTS.
Courses: EE82, EE60, EE78
Prerequisite: EEP205
Credit Points: 4
Contact Hours: 3 per week

EEP222 MAINTENANCE OF ELECTRICITY SUPPLY SYSTEMS
Establishment of maintenance policies: review of failure rates, emergency spares, identification of maintenance liabilities, identification of critical success factors to minimise life cycle costs, approval and dissemination of policy, policy review; maintenance planning: identification of constraints, review of existing maintenance programs; establishment of plans for periodic actions, documentation of procedures, design of reporting procedures; data recording and analysis: registers of defects, design of data collection and reporting systems, preparation of control charts, computer systems, data base development; maintenance operations: identification of refurbishment needs, resource evaluations, design of work procedures, impact of Acts and regulations, identification of staff training needs, supervision, auditing of work practices; maintenance program evaluation: assessment against KPL modification of programs to account for continuing defects and failures or to reflect changing technologies.
Courses: EE82, EE60, EE78
Prerequisites: EEP208, EEP215
Credit Points: 4
Contact Hours: 3 per week
\[ \text{EEP232 LOAD FORECASTING} \]
Nature of load patterns: historical patterns, links between customers and loads and between energy and demand demographics; categories of DSM, costs of DSM options, benefits, and limitations to DSM; tariffs and their impact; impact of economic trends on demand growth; load forecast methods: data collection and availability, weather correction, interpreting data, synthesising missing data, developing load forecast data, developing alternative scenario load forecasts; establishment of base loads from: historical load data, customer load predictions, and other contributing factors; prediction of growth rates; generation of load forecasts.

Courses: EE82, EE60, EE78
Prerequisites: EEP208, EEP213
Credit Points: 4 \hspace{1cm} Contact Hours: 3 per week

\[ \text{EEP224 POWER SYSTEM OPERATION} \]
Frequency control and A/GC under normal load conditions, operation under emergency and contingency conditions, black starting, load shedding philosophy; generation operation; contract fuel prices, variations, automatic generation control systems; power station operating costs; establishment of optimum operating costs; management of forced outages: management of resources to restore system to normal in minimum time, abnormality control to prevent plant damage and maintain personnel safety, logging and reporting of forced outages; coordination of planned outages including assessment of risks and contingency planning; control of reactive power and voltage levels under normal and abnormal conditions; load reduction — instantaneous, delayed and planned; maintenance of consumer services and records.

Courses: EE82, EE60, EE78
Prerequisites: EEP202, EEP212, EEP215, EEP218, EEP221, EEP223
Credit Points: 4 \hspace{1cm} Contact Hours: 3 per week

\[ \text{EEP230 THESIS A} \]
Students work in industry for 100 days of supervised practice. As part of this practical training, one or more linked topics are identified that are related to the work of the section in which the training is carried out. A Masters thesis is prepared describing results of studies done by the student during the practical training. It is expected that the thesis will demonstrate that students have a deep background knowledge of the topic, can apply advanced skills to formulation and solution of new problems, and have an understanding of the relationship of the work to the overall objectives of the workgroup. The thesis will be examined by internal and external examiners appointed by the University.

Course: EE78
Credit Points: 12 \hspace{1cm} Contact Hours: 3 per week

\[ \text{EEP231 THESIS B} \]
Work done in this unit and the related unit EEP230 is examined by submission of a single Masters thesis.

Course: EE78
Credit Points: 12 \hspace{1cm} Contact Hours: 3 per week

\[ \text{EEP240 ORGANISATION & FINANCIAL MANAGEMENT OF THE ESI} \]
Financial reporting, including profit and loss and balance sheet; interpretation of financial data and commercial practices with respect to various line items in financial reports; key performance indicators, the derivation, interpretation and pitfalls; financing arrangements; taxation issues that affect the industry including income tax, repairs, tax effect of depreciation and capital gains tax; various asset management issues including inventory and fixed assets; cost volume profit analysis including break-even, contribution margin and EBIT.

Courses: EE82, EE60, EE78
Credit Points: 4 \hspace{1cm} Contact Hours: 3 per week

\[ \text{EEP242 EFFICIENT MARKETING & UTILISATION OF ELECTRICITY: DEMAND & SUPPLY SIDE SOLUTIONS} \]
Assessment of future DSM options: state, national and international DSM programs assessed; local opportunities examined; impact of new and evolving technology; compare options and select for cost effectiveness, load impact and community acceptance; determination of avoidable costs; assessment of marginal cost of supply and identification of unavoidable and avoidable costs; survey of customer needs and wants; conducting market research; application of existing tariffs or development of new tariffs; planning and estimating market potential for DSM; comparison of options to develop the optimum plan to meet customer needs and supply authority requirements; economic comparison of DSM and SSM options for a specific project including combined options; design and implement DSM program: targets, resources, in-house or contract; monitoring program performance; assessment of DSM on local and system load forecasts.

Courses: EE82, EE60, EE78
Prerequisites: EEP208, EEP223, EEP241
Credit Points: 4 \hspace{1cm} Contact Hours: 3 per week

\[ \text{EEP243 CONTRACT ADMINISTRATION} \]
Categories of contracts: supply, supply, deliver and erect; performance guaranteed; services, e.g. maintenance; period for supply of stock items or services; general conditions of contract: terms of payment and security deposit; quality assurance procedures; retention conditions; special conditions of contract: delivery and penalties for delay; technical provisions; penalty/bonus for such factors as efficiency, performance, maintenance and reliability; pre-tender acceptance negotiation practice; evaluation of tenders: tender adjustments; determination of the lowest comparatively priced offer on a total capitalised cost basis which conforms with the specified technical and commercial requirements; tender acceptance; contract correspondence; drawings — standards, amendment, contract law, dispute resolving procedures; contract progress monitoring: approval of drawings and documents; approval of delivery, erection, site testing. Acceptance, takeover, maintenance period, retention provisions.

Courses: EE82, EE60, EE78
Prerequisites: EEP208
Credit Points: 4 \hspace{1cm} Contact Hours: 3 per week

\[ \text{EEP244 CIRCUIT BREAKERS — SWITCHGEAR} \]
Basic switching theory for the main circuit breaker types: SF6, Vacuum, GIS, minimum oil, airbreak (11 kV), bulk oil; characteristics and applications for these types at various voltage levels; circuit-breaking principles: interruption of load current, short inductive current, short line faults and out-of-phase switching; TRV and ITRV concepts; direct and synthetic testing; technical specifications of circuit breakers: operating voltage, impulse withstand, rated current; interrupting capacity switching duties; operating mechanisms — single or 3 pole: clearing time; environment: selection of circuit breakers: analysis of tenders on a whole of life basis: circuit breaker failures: failure modes for different types: catastrophic failure: category of failure — design, operating or maintenance cause: reliability; circuit breaker testing and condition monitoring: circuit breaker maintenance and refurbishment: emerging circuit breaker technology.

Courses: EE82, EE60, EE78
Prerequisites: EEP210
Credit Points: 4 \hspace{1cm} Contact Hours: 3 per week
■ EEB245 INTRODUCTION TO SUBSTATION DESIGN
Preparation of design/site options: standard layouts (outdoor, indoor, GIS, package, single bus, 11/2 CI, etc.)—cost, site, reliability, lead time and communication factors; estimating procedures; comparison of design/site options; whole of life cost comparison including capital and operating costs; environmental and public issues; identification of design parameters: voltages, ratings, protection, metering, SCADA, communication, operational—preparation of one-line diagram and general arrangement; design scope; review with other parties.
Courses: EEB2, EEF0, EEF78
Prerequisites: EEP202, EEP219, EEP244
Credit Points: 4  Contact Hours: 3 per week

■ EEB247 INTRODUCTION TO PLANT CONTROL IN INDUSTRY & POWER GENERATION
Using power station control systems as an example: power station control systems and practices outlined; control system scope specification in which required functions are identified, staffing options established and planning stage costs evaluated; preparation of project control plan—system scope defined, equipment and interfaces required and functional requirements identified; establishment of plant monitoring, control and performance parameters—plant process, characteristics and functions; plant location and environment; field equipment specification; matching available equipment to meet requirements; specification issue and tender analysis; preparation of plant input/output database; design of user/machine interface; system integration, testing and commissioning; post-commissioning tuning.
Courses: EEB2, EEF60, EEF78
Credit Points: 4  Contact Hours: 3 per week

■ EEP300 RESEARCH PROJECT
A computer engineering research project in the student’s chosen field encompassing a literature search, design, hardware construction or writing of software, testing and publication of a thesis.
Courses: EE74
Credit Points: 48  Contact Hours: 168 hours total

■ EEP301 PROJECT
Students carry out research or development work on a mini-project in specified areas.
Courses: CE75, EE76
Credit Points: 12  Contact Hours: 3 per week

■ EEP302 RESEARCH COMPONENT 1
Research component of EEP101, EEP102, EEP104, EEP124, EEP127, EEP137.
Courses: CE75, EE76
Credit Points: 12  Contact Hours: 3 per week

■ EEP303 RESEARCH COMPONENT 2
Research component of EEP126, EEP127, EEP128, EEP135, EEP137 and maths elective.
Courses: CE75, EE76
Credit Points: 12  Contact Hours: 3 per week

■ EFB001 BUILDING FINANCIAL MANAGEMENT I
Commercial property financial management; the nature of accounts; capital structures, equity, liabilities and asset management; the role of taxation in financial decision-making; ownership; budgeting.
Courses: CS21, CS23
Credit Points: 12  Contact Hours: 2 per week
Incompatible with: FNB110

■ EFB002 FINANCIAL MANAGEMENT FOR ENGINEERS
Introduction to the theory and practice of financial management in Australia; the nature of business finance and firm objectives; business structures, debt and the organisation of the Australian capital markets; NPV calculations; project evaluation.
Courses: CE43, ME45, ME46
Credit Points: 8  Contact Hours: 2 per week
Incompatible with: FNB116

■ EFB003 PERSONAL & CORPORATE FINANCE
The Australian financial environment from both a personal and corporate point of view; goals and functions of finance; project evaluation; evaluation and selection of investment projects, management of working capital; leverage; cash forecasting and management; financial statement analysis.
Course: CE44
Credit Points: 4  Contact Hours: 2 per week
Incompatible with: FNB125; this unit is not available to BS50 BBus (Accy) or BBus (B&F) majors and BS56 BBus (Acc) or BBus (B&F) majors.

■ EEB100 AUSTRALIAN ECONOMIC HISTORY
The Australian economy and its economic institutions from the 1890s to World War II; analysis of postwar economic growth and fluctuations; arbitration, conciliation and wage fixation, immigration policy, capital inflow institutional arrangements; Australia’s links with the international economy; trading agreements; the contribution of manufacturing, agriculture, minerals and energy, labour, investment and technology in historical context; Australia’s deteriorating economic performance since the 1970s and the opportunities presented by the development of the Pacific Basin; the future for Australia.
Courses: BS50, ED50, NS48, BS56
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: EFB106

■ EFB101 DATA ANALYSIS FOR BUSINESS
This unit introduces students to the basic tools for the analysis of cross-section and time-series data. The major topics covered are a discussion of key features of published data, the calculation and meaning of descriptive measures of data, the concepts of sampling, sampling error and sampling distributions, hypothesis testing and regression analysis.
Courses: BS50, BS56
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: EEP109, EEP110

■ EFB102 ECONOMICS II
Consumer behaviour, the role of the government in market intervention and allocative efficiency are some of the fundamental issues in microeconomics addressed in this unit. Business cycles, 'booms and busts' and the related issue of macroeconomic stabilisation policy are important in policy debate in Australia today. Unemployment, its causes and cures, and the natural rate of unemployment are also important issues for most Western economies and will be discussed in an Australian context.
Courses: BS50, BS56
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: EEP109, EEP110

■ EFB103 MACROECONOMICS
Macroeconomics is that part of economics primarily concerned with the relationships between broad economic aggregates. The most important of these include the level of GDP, aggregate expenditure and saving, the
level of employment, the quantity of money, the average price level, and the balance of payments. The aim of this unit is to define and analyse the relationships between these aggregates, and their impact upon the national economy. The unit examines the problems associated with inflation, unemployment and the balance of payments in the context of the Australian economy; the role of the government and the central bank discussed within the framework of an income-expenditure model; international trade and capital flows.

Courses: BS50, ED50, IF31, IF37, IF52, IF54, IS43, IT20, NS48, PU48, BS56, IF40
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: EFB172, SBS113, EFB102, EPB116, EPB140

■ EFB104 MICROECONOMICS
The nature of the economic problem and the economic way of thinking; the theory of consumer behaviour; the nature of demand, preference and indifference theory; the nature of supply, the price mechanism and the operation of the market; short and long run costs; profit maximisation, market structure, factor markets and market failure.

Courses: BS50, BS56, ED50, IF31, IF37, IF40, IF52, IS43, IT20, NS48, PU48
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: SBS113, EFB102, EPB116, EPB172, EPB150

■ EFB105 RESEARCH AND SURVEY METHODS
This unit deals with data (primary and secondary); the gathering of data via surveys, the understanding of data through the study of statistics and the analysis of data; Australian statistical information; demographic processes: the presentation of quantitative as well as qualitative data; questionnaire construction; how to conduct surveys; sampling design; sample accuracy; sample size; confidence intervals; hypothesis testing plus an introduction to correlation, regression and time series analysis. Computer work involves SPSS.

Courses: BS50, BS56, ED50, PU48
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: EPB163

■ EFB200 APPLIED REGRESSION ANALYSIS
This unit builds on the basic multiple regression model introduced in EFB101, by examining the practical problems encountered in using the single equation econometric model. In particular, the major problems encountered using real data, such as multicollinearity, serial correlation in time series data and heteroskedasticity in the case of cross section data, specification error, and alternative functional form issues will be illustrated in the context of published Australian data. The unit includes extensive use of a commonly used computer package to allow the practical application of the various techniques.

Courses: BS50, BS56
Prerequisites: EFB101 or EPB110
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: EPB102

■ EFB201 AUSTRALIAN FINANCIAL MARKETS
System efficiency and the intermediation process; term structure of interest rates; the Australian banking and payments system; merchant bank and finance company operations; the operations of the Australian Stock Exchange; financial systems regulation; trade and pricing of money market/capital market securities; the options and futures market.

Course: BS50
Prerequisites: SBS113 or EFB140, and FNB102 or FNB107 or FNB111 or EFN406 or EFB206 or EFB210
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: FNB100

■ EFB202 BUSINESS CYCLES & ECONOMIC GROWTH
The unit develops an analytical framework in order to evaluate the macroeconomic performance of the Australian economy and the policy actions taken by government. Key issues addressed include business cycle stabilisation, unemployment, inflation; economic growth; the foreign debt; budget deficits; and national saving.

Courses: BS50, BS56
Prerequisites: EFB102 or EPB140 or EPN102 or EPB172
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: EPB142

■ EFB203 BUSINESS FORECASTING
This unit covers a wide range of forecasting methods which may be of use in forecasting business variables. The focus of the unit is single equation and time series modelling techniques. Smoothing models, including exponential and Winters smoothing, are the simplest of a wide range of forecasting models available to business. This unit takes these as the starting point. The classical decomposition approach to forecasting will be used to show how components of a time series may be extracted and used in forecasting. The more sophisticated ARIMA models will then be discussed in detail. Students will also be introduced to methods by which to evaluate model performance, and to compare and combine different forecasting techniques.

Courses: BS50, BS56
Prerequisites: EFB200 or EPB102
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: EPB107

■ EFB204 COMPARATIVE ECONOMIC SYSTEMS
The study of comparative economic systems; methods of comparison; structural dimensions as systemic factors; socio-political settings and economic systems; capitalism and its critics; central planning; administrative decentralisation; the role of the state in the market economy; failure of soviet planning; socialist economic reforms; transition to a market economy; structural change and economic development.

Courses: BS50, BS56, ED50
Prerequisites: EPB140 and EPB150 or EPB172 or EFB102 or EPB102
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: EPB111

■ EFB205 COMPARATIVE FINANCIAL SYSTEMS
Introduction to the operations of important overseas capital markets, regulation and structure.

Course: BS50  Prerequisite: FNB100 or EFB201
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: FNB103

■ EFB206 CORPORATE FINANCE
An overview of the Australian financial system; technical tools used in financial decision making; the capital market, short and long-term finance; dividend policy; investment decision models.

Courses: BS50, ED50, IF56
Prerequisite: AYB100 or AYB110 or SBS110
Credit Points: 12  Contact Hours: 4 per week
Incompatible with: FNB111, FNB107
EFB207 DEVELOPMENT OF ECONOMIC THOUGHT
This unit is especially recommended for students wishing to study economics at a higher level. It traces the evolution of economic thought over time, and evaluates the contributions of key figures such as Adam Smith, David Ricardo, J.S. Mill, Karl Marx and others. Importantly, the unit reflects on the lessons of the past within the context of the economic policies currently favoured by governments in Australia and elsewhere in the world.
Courses: BS50, BS56
Prerequisites: EFB102 or EFB140 and EBF150 or EBF172 or EPN102
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EBF127

EFB208 ECONOMIC ANALYSIS & POLICY
Theoretical constructs of welfare economics and cost-benefit analysis; economic rationale for government policy in major areas including: the environment; resource depletion; public investment; taxation; federal-fiscal relations; education finance; income distribution; industry.
Course: EDP50
Prerequisites: EBF140 and EBF150 or EBF172 or EBF102 or EPN102
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EBF151 and EBF152 and EBF211 and EBF171

EFB209 ENVIRONMENTAL ECONOMICS: ISSUES & POLICY
This unit provides an introduction to the foundations of environmental and natural resource economics, and examines the increasingly important role of economics in the formulation and implementation of environmental policy. Topics include: sustainable development, market failure, pollution and depletion of natural resources and analysis of environmental policy.
Courses: BS50, BS56
Prerequisite: EBF102 or EBF150 or EBF140 or EBF116
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EBF165

EFB210 FINANCE I
An introduction to the Australian institutional framework; terminology; debt and equity instruments. Financial mathematics applied to the pricing of debt and equity securities. A firm’s investment decision; Net Present Value (NPV) and Internal Rate of Return (IRR); introduction to risk and uncertainty; Capital Asset Pricing Model (CAPM) and Weighted Average Cost of Capital (WACC).
Courses: BS50, BS56, IF37, IF40
Prerequisites: AYB110 or AYB100 or BS110 and EPB150 or EBF116 or BS113
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: FNB107, FNB111

EFB211 FIRMS, MARKETS & RESOURCES
This unit refines and extends introductory microeconomic concepts and applies them to business decision making, the design and evaluation of public policy and to a general appreciation of the economic aspects of a modern mixed economy. It extends and refines the theoretical framework of microeconomics. It then investigates market failure, the role of government and the appropriate response of business.
Courses: BS50, BS56
Prerequisites: EBF102
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EBF152

EFB212 INTERNATIONAL TRADE & FINANCE
Surveys international trade and finance with an emphasis on current economic policy issues; the theories of trade and the bases, direction, volume and terms of trade; trade policy and economic welfare; tariffs and trade; FATT; industry policy; economic integration; EC, NAFTA, APEC, ASEAN; balance of payments; alternative exchange rate regimes; foreign exchange markets and risk management using futures and options; Eurocurrency markets; international money reform. This unit is not available to students undertaking the Economics primary major.
Courses: BS50, ED50
Prerequisites: EBF102 or EBF140 and EBF150 or EBF172 or EPN102
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EBF132

EFB213 INTRODUCTION TO ANALYTICAL TECHNIQUES FOR BUSINESS
This unit introduces students to a range of modelling procedures which can be applied to assist business in decision making under uncertainty. Inventory analysis is important to minimise storage costs. The efficient scheduling of tasks, also vital for cost effectiveness, is addressed using PERT/CPM techniques. The problem of optimal resource allocation is explored using linear programming, including integer linear programming. Queuing models will also address the issue of optimal planning and use of resources. An introduction to decision theory is also included. The use of computers allows the student to concentrate on the applications of these techniques and their interpretation and to recognise the strengths and weaknesses of these models.
Courses: BS50, BS56
Prerequisites: EBF101 or EBF109 or EBF110
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EBF104

EFB214 MATHEMATICAL ECONOMIC APPLICATIONS
Differential calculus; rules of differentiation; comparative statistics; implicit function theorem with applications to market equilibrium models; classical optimisation; Lagrangian method with inequality constraints; Kuhn Tucker’s method with inequality constraints; second order conditions for optimisation with second order condition; economic dynamic and integral calculus; differential equations; difference equations; applications to growth and trade cycles.
Courses: BS50, BS56
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EBF144

EFB215 MONETARY THEORY & POLICY
The historical evolution of contemporary monetary theories; the role of money in affecting output, inflation and the balance of payments; recent approaches to monetary policy in the Australian context; and the role of the Reserve Bank in interpreting theory and giving effect to policy.
Courses: BS50, BS56
Prerequisites: EBF140 and EBF150 or EBF172 or EBF102 or EPN102
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EBF153

EFB216 SPECIAL TOPIC – ECONOMICS
This unit provides the opportunity for the student to examine in detail a specific current economic policy issue. The nature of the unit varies from year to year depending upon policy questions and the interests of the staff.
Contact the Subject Area Coordinator of Economics and Public Policy for further details.
Courses: BS50, BS56
Credit Points: 12
Contact Hours: 3 per week
EFB217 TRANSPORT & COMMUNICATION ECONOMICS
The application of microeconomic principles to transport and communication; location decision, demand, costs, pricing, investment principles, regulation, issues and policy.
Courses: BS50, BS56
Prerequisites: EPB140 and EPB150 or EPB172 or EFB102 or EPN102
Credit Points: 12 Contact Hours: 3 per week Incompatible with: EPB108

EFB300 ADVANCED ECONOMIC THEORY & POLICY
The foundations of economic thought and recent contributions to the literature of micro and macro theory and policy; their relevance for public and private decision making in the Australian context.
Courses: BS50, BS56, ED50
Prerequisite: EPB142 and EPB152 or EFB211 and EFB202
Credit Points: 12 Contact Hours: 3 per week

EFB301 ADVANCED LENDING
This unit introduces students to advanced aspects of security evaluation and the assessment of debt servicing capacity; the analysis of 'exotic' types of corporate loans; and rescheduling of sovereign debt.
Courses: BS50, BS56
Prerequisite: FNB111 or EFB210
Credit Points: 12 Contact Hours: 3 per week

EFB302 ADVANCED MACROECONOMICS
The unit covers all the major modern theoretical and policy macroeconomic debates in depth. Issues covered will draw from: the Neoclassical/Keynesian synthesis, Monetarism, New Classical economics, new Keynesianism, real business cycle theories, theories of unemployment hysteresis, theories of consumption and investment, alternative open economy models of macroeconomic policy, macroeconomic forecasting, advanced aspects of monetary and fiscal policy, growth models and modern endogenous growth theory.
Courses: BS50, BS56
Prerequisite: EFB202 or EPB142
Credit Points: 12 Contact Hours: 3 per week Incompatible with: EPB101

EFB303 ADVANCED MICROECONOMICS
This unit will add to and further develop the theories and issues studied in EFB211 and will introduce additional advanced practical applications.
Course: BS50, BS56
Prerequisites: EFB211 or EPB152
Credit Points: 12 Contact Hours: 3 per week Incompatible with: EPB101

EFB304 APPLIED ECONOMETRIC TECHNIQUES
This unit progresses from EFB200, extending the student's knowledge to topics in applied econometrics. Single equation issues addressed include errors in variables, distributed lag models and causality testing. Recent developments in time series econometrics are examined in the context of the problem of nonstationarity of time series data. The identification of and estimation techniques used in simultaneous equation models are also covered in this unit. The application of these econometric techniques are illustrated in the context of economic modelling.
Courses: BS50, BS56
Prerequisite: EFB200 or EPB102
Credit Points: 12 Contact Hours: 3 per week Incompatible with: EPB103

EFB305 CURRENT ECONOMIC POLICY CHALLENGES
This is a 'capstone' unit which harnesses the foundational skills developed in previous units of the Economics major in order to illustrate the application of economic analysis to key policy problems through the in-depth consideration of selected topical issues. The selection of issues will be flexible and subject to continuous review in order to ensure relevance. Approximately four issues will be selected, and each treated in some depth. An indicative list of issues which could be explored in the current circumstances is: the national savings debate, economic solutions to environmental problems, the debate around a goods and services tax, the issue of regulation versus deregulation of the labour market.
Courses: BS50, BS56
Prerequisites: EFB211 and EFB202 or EPB141 and EFB151
Credit Points: 12 Contact Hours: 3 per week

EFB306 ECONOMIC MODEL BUILDING
Model specification and theory formulation; investigating the model characteristics and the underlying assumptions of convexity, concavity and regularity; theoretical appraisal of single and simultaneous equation model building and audit usefulness in pacifying and solving economic issues and problems.
Courses: BS50, BS56
Prerequisites: EPB104 or EFB213 and EPB140 and EPB150 or EPB172, or EFB102 or EPN102 or EFN405
Incompatible with: EPB115
Credit Points: 12 Contact Hours: 3 per week

EFB307 FINANCE II
Theoretical development of the CAPM model, its practical application and its relationship to efficient market hypothesis. Capital structure, dividends, short-term assets, leasing, takeovers, options and futures.
Courses: BS50, BS56, IF37, IF40
Prerequisites: FNB111, EFB210
Credit Points: 12 Contact Hours: 4 per week Incompatible with: FNB112

EFB308 FINANCE III
A study of contemporary finance research; event research; beta estimation; valuation theory; use of finance research tools; anomalies and extension of finance theories; students are required to complete a research project combining theory and practice.
Courses: BS50, BS56
Prerequisites: FNB112, EFB307
Credit Points: 12 Contact Hours: 4 per week Incompatible with: FNB113

EFB309 FINANCIAL DERIVATIVES
This unit extends students' knowledge of financial derivatives, to encompass exotic trading strategies in options, futures and physical instruments; option replication strategies; modifications to the basic option theory, to account for firm capitalisation changes (e.g. bonus shares); designer options; and option pricing models, other than the standard Black-Scholes OPM studied in EFB307.
Courses: BS50, BS56
Prerequisites: FNB112, EFB307
Credit Points: 12 Contact Hours: 3 per week

EFB310 FINANCIAL INSTITUTIONS - CONTROL
This subject is designed to familiarise students with the management considerations of a financial institution, particularly from a financial management perspective. Students will gain an understanding of the relevance of both financial management and managerial accounting.
within the financial institution.

Courses: BS50, BS56, IF40
Prerequisites: FNB111 or FNB107
Credit Points: 12 Contact Hours: 4 per week
Incompatible with: FNB124, FNB111

EFB311 FINANCIAL INSTITUTIONS - LENDING

Finance theory and the lending function; cost of bank funds; the evaluation of retail loans, lending to small business; financial statement analysis; corporate lending and securitisation; financing international trade; problem loans and credit scoring.

Courses: BS50, BS56, IF40
Prerequisites: FNB107 or FNB111 or FNN102 or EFB201
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: FNB1114

EFB312 INTERNATIONAL FINANCE & ECONOMICS

To examine the theory and practice of international finance, including the mechanics and uses of the spot, forward, swap, futures and options markets in foreign exchange; the relationship between domestic and international capital markets; interest rate and exchange rate determination; risk management of foreign exchange; international trade finance; evaluation of offshore investment (including country risk).

Courses: BS50, BS56
Prerequisites: FNB111 or FNB107 or EFB210 or EFB206
Credit Points: 12 Contact Hours: 4 per week
Incompatible with: FNB120, EFB130, EFB314

EFB313 INTERNATIONAL MACROECONOMICS

This unit deals with the various theoretical and policy approaches to the macroeconomy as they are pursued in different countries. It examines the macroeconomic performance in different countries over time, the interaction between interventionist and laissez-faire policies, as well as the differences in traditions and approaches between English speaking and non-English speaking countries.

Course: BS50, BS56
Prerequisites: EFB302
Credit Points: 12 Contact Hours: 3 per week

EFB314 INTERNATIONAL TRADE & ECONOMIC COMPETITIVENESS

The unit analyses the increasing globalisation of world trade and finance, and develops an analytical framework to assess the impact of these flows on the Australian economy and its businesses and its policy makers. It examines trade and capital flows, exchange rate determination, and the impact of these external variables upon domestic interest rates, prices and levels of activity.

Courses: BS50, BS56
Prerequisites: EFB211 and EFB202 or EFB142 and EFB152
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: EFB130 and EFB132 and EFB312

EFB315 ISSUES IN FINANCE

The finance framework; positive versus normative methods; Kuhn's model of progress; the resolution of traditional finance problems; regulation and finance, market failure; the finance solution.

Courses: BS50, BS56, IF40
Prerequisites: FNB111, FNB123 or EFB210, AYB225
Credit Points: 12 Contact Hours: 4 per week
Incompatible with: FNB121

EFB316 LABOUR ECONOMICS

This unit applies analytical tools acquired from the preceding units to investigate specific market applications both at the micro and macro levels. Topics include: the demand and supply of labour, investment in human capital; market structures and their effect on equilibrium wage levels; job search; discrimination; collective bargaining; minimum wages; enterprise bargaining; unemployment; inflation; the Phillips Curve in Australia.

Courses: BS50, BS56
Prerequisites: EFB142 and EFB152 or EFB211 and EFB202
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: EFB134

EFB317 MICROECONOMIC REFORM

This unit applies the principles of welfare economics (applied microeconomic theory) to case studies of microeconomic reform in practice. Issues which are examined include regulation, and the corporatisation and privatisation of key industries, such as transport, communications, electricity generation and distribution, and water supply.

Courses: BS50, BS56, IF40
Prerequisites: FNB112 or FNN102 or EFB307
Credit Points: 12 Contact Hours: 4 per week
Incompatible with: FNB126

EFB319 PUBLIC SECTOR ECONOMICS

The reasons for government intervention in the economy; the ways in which the effectiveness of this intervention may be measured. Topics include: the completing goals of efficiency and equity; theories of first-best and second-best; the importance of externalities; the public goods controversy; privatisation, deregulation and re-regulation; alternative ways of financing government expenditure; and issues in public sector accounting.

Courses: BS50, BS56
Prerequisites: EFB152, or EFB211
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: EFB160

EFB320 PERSONAL FINANCIAL PLANNING

This unit extends students' knowledge of financial planning, to encompass the main personal finance products offered in practice. The unit introduces discussion of such key areas as superannuation (including rollovers and annuities), insurance, wills and estate planning, pensions and unemployment benefits.

Courses: BS50, BS56
Prerequisites: FNB111 or EFB210 or FNB107 or EFB206
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: FHN100

EFN400 ADVANCED CAPITAL BUDGETING

Application of the theoretical constructs developed in undergraduate finance units to complex problems in investment appraisal.

Courses: BS75, BS87
Prerequisites: FNB112 or EFB307
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: FNN100

EFN401 ADVANCED FINANCIAL INSTITUTIONS MANAGEMENT

The study of current technical issues facing managers of financial institutions including an examination of theoretical frameworks for the analysis of the function and operation of the modern financial institution. Topics in-
include strategic management, evolution of the Australian financial market place, issues associated with regulation.

Courses: BS70, BS94

Prerequisites: Undergraduate degree with a major in Economics or Finance

Credit Points: 12  Contact Hours: 3 per week

- EFN402 ECONOMIC ANALYSIS

Australia's international trading performance relative to other industrialised nations; the potential economic impact of quality control systems on primary, secondary and tertiary sections of Australian industry; economics of the firm and the quality factor, quality as a determinant of demand, demand elasticity, goods attribute theory; tools for incorporating quality into investment decisions; opportunity and marginal costs; x inefficiency; increased profitability resulting from quality initiatives.

Courses: BS77, BS83, IF66, IF69

Credit Points: 6  Contact Hours: 3 per week

Incompatible with: EPN101

- EFN403 ECONOMICS & PUBLIC POLICY

The relationship between economics, economists and public policy; currently influential bodies of economic theory, and their application in the public policy environment; the role of economists in the policy process.

Topics covered include both the macro and micro dimensions of economic policy and include: the balance of payments and foreign debt; employment and unemployment; taxation; privatisation; health policy; social and welfare policy; environmental policy.

Courses: BS62, BS78, BS81, BS83, IF64, GS81, GS70, BS30

Prerequisite: An undergraduate degree or equivalent

Credit Points: 12  Contact Hours: 3 per week

Incompatible with: EPN117

- EFN404 ENVIRONMENTAL ECONOMICS & POLICY

Environmental economics is concerned with the interaction between economic systems and the natural environment. Fundamental issues are sustainable economic development, the economic cost to future generations of potential degradation of the environment, the proper definition of property rights, the economics of pollution and the depletion of non-renewable resource stocks. This unit provides a comprehensive analysis and critique of the role played by environmental economics in the formulation of contemporary environmental policy in Australia and globally.

Courses: BS62, BS81, BS83, IF64, GS81, GS70, BS30

Prerequisite: An undergraduate degree

Credit Points: 12  Contact Hours: 3 per week

Incompatible with: EPN115 and EFR209

- EFN405 MANAGERIAL ECONOMICS

Managerial decision making in an economic environment; an introduction to economics, demand analysis, cost analysis, market strategy and the macroeconomic environment; problems of resource allocation at the firm, in industry and the economy; completion of an industry study by each student, and an analysis of the Commonwealth Budget strategy.

Courses: BS78, BS81

Credit Points: 12  Contact Hours: 3 per week

Incompatible with: GSN203, EPN102

- EFN406 MANAGERIAL FINANCE

Introduction to the world of finance and financial management. Topics include: the finance function, the role of the financial manager; the Australian financial environment; sources of funds; present and future value; time value of money; financial mathematics; cost of funds, the firm investment decision; investment evaluation techniques; cash budgeting; working capital management; capital budgeting; dividend policy and financial structure policy.

Courses: BS81

Prerequisite: AYN101, AYN112, or AYN403, AYN416

Credit Points: 12  Contact Hours: 3 per week

Incompatible with: FNN102

- EFN407 MULTIVARIATE METHODS

This unit is intended to provide students with the skills needed to perform appropriate analysis of data. It focuses upon some of the more important multivariate methods, of which multiple regression is but a part. Other multivariate techniques covered include discriminant analysis, principal component analysis and factor analysis. The link between appropriate multivariate statistics and a research question is thoroughly investigated.

Courses: BS60, BS61, BS62, BS83

Prerequisite: EPB110, EPN101 or equivalent

Credit Points: 12  Contact Hours: 3 per week

Incompatible with: EPN112

- EFN408 SPECIAL TOPIC - ECONOMICS, BANKING AND FINANCE

This unit provides the opportunity to study in detail, at a postgraduate level, specific current issues relating to economics, banking or finance. The nature of the unit varies from year to year depending upon contemporary issues and the interests of staff. Contact the Head of School, School of Economics and Finance for further information.

Courses: BS78, BS81

Prerequisite: An undergraduate degree with a major in Economics or Finance

Credit Points: 12  Contact Hours: 3 per week

Incompatible with: EPN116

- EFN409 STATISTICAL METHODS

Statistics is the study of the procedures for collecting, analysing and interpreting the data required for effective decision making: the basic concepts and techniques of statistical analysis, with particular reference to their application in management. Campus computers may be used. Topics include: graphs, charts, descriptive statistics, probability, sampling methods, analysis of sample results and regression and correlation.

Courses: BS81, GS81, GS70, BS30

Credit Points: 12  Contact Hours: 3 per week

Incompatible with: EPN105

- EFN500 CONTEMPORARY MACROECONOMIC THEORIES

This unit introduces students to the latest theoretical developments in the field of macroeconomics using both qualitative and quantitative approaches. It places these theories in their historical, philosophical and societal contexts. This unit looks at New Classical and New Keynesian theoretical approaches to a range of issues. These include: expectation theories, supply side economics, theories of labour markets, monetary theories and growth theories (including the role of international trade). Also differences in the theoretical foundations of macroeconomic policies employed in different countries are highlighted.

Courses: BS62, BS83, IF64, GS80, GS70, BS30

Prerequisite: An undergraduate Economics degree or major in Economics or Finance

Credit Points: 12  Contact Hours: 3 per week

Incompatible with: EPN111

- EFN501 CORPORATE AND COMMERCIAL LENDING

The study of advanced lending issues and structures for commercial applications. Examination of procedures for analysis of specialist lending; credit rating, leasing structures, venture finance.
Course: G580
Prerequisites: Undergraduate degree with a major in Economics or Finance
Credit Points: 12 Contact Hours: 3 per week

**EFN502 DEVELOPMENTS IN MICROECONOMIC THEORIES**
Discussion of refinements in microeconomic theory such as hedonic pricing models, invalid preference theory, contestable market theory, theories of regulation, strategic entry deterrence, networks and vertical integration theories, and public utility theories are considered in this unit. It explores refinements in microeconomic theory which have contemporary use in the development of government policies in areas such as the environment, energy, public enterprises, industrial development, transport and telecommunications.
Courses: BS62, BS83, IF64, GS80
Prerequisites: An undergraduate degree or major in Economics or Finance
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: EPN108

**EFN503 ECONOMIC AND FINANCIAL MODELING**
This unit is designed to introduce students to spreadsheet and other forms of modelling techniques which are frequently used in a business and financial environment. Modelling is used as an aid to decision making, as a means of forecasting important variables and as a planning and analysis tool. Various modelling exercises are used to illustrate the use of these modelling techniques in an economic and financial context.
Courses: BS70, BS94
Prerequisites: Undergraduate degree with a major in Economics or Finance
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: FNN103

**EFN504 FINANCE HONOURS**
An advanced coverage of the theory of financial management, building on work done in the undergraduate course with reference to empirical evidence where available; topics include: capital markets, investment decisions, market equilibrium, the capital asset pricing model, arbitrage pricing theory, capital structure, dividend policy, efficient capital markets; provides a theoretical basis for evaluating policy problems in the area of financial management, a prerequisite for further specialisation in this area.
Courses: BS60, BS70, BS81, BS87
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: FNN101

**EFN505 FINANCIAL RISK MANAGEMENT**
An advanced postgraduate finance unit which covers four areas of risk management: portfolio, investment, exchange and insurance. Topics include: portfolio theory, performance evaluation, benchmark problems, hedging, portfolio insurance in the crash of 1987, managing exchange risk, risk reduction, self-insurance, new tax rules and superannuation fund performance, interest rate risk, rating agencies, duration, immunisation. Emphasis is on empirical research.
Courses: BS70, BS87, IF64
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: FNN104

**EFN506 INTERNATIONAL FINANCE**
The theory and practice of international finance, the relationship between domestic and international capital markets, interest rate and exchange rate determination, risk management, foreign exchange, international trade, finance, offshore investment, legislation, transfer pricing, accounting and taxation aspects.
Courses: BS70, BS87, IF64
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: FNN105

An introduction to geological materials, emphasising chemical concepts and processes. Aspects studied include the origin and constitution of the earth, introductory mineralogy, igneous, sedimentary and metamorphic petrology, study of physical and structural geology, geomorphology, stratigraphy and economic geology.
Courses: SC10, SC12
Credit Points: 8

**ESB122 PHYSICAL GEOLOGY**
Basic geologic principles, physical geology, geomorphology, weathering, erosion, river and coastal environments, groundwater, deserts and aeolian processes. Origin and composition of the earth and the solar system; mineralogy; classification and origin of igneous, metamorphic and sedimentary rocks; structural geology; plate tectonics; economic geology. Practical work includes examination and identification of major rock-forming minerals, economic minerals and rocks; structural exercises; interpretation of topographic and geologic maps and aerial photographs. Field excursions to local areas of geological interest.
Courses: EDS0, SC30
Credit Points: 12 Contact Hours: 5 per week

**ESB222 HISTORICAL GEOLOGY**
Geologic history of the earth; interpretation of past geologic events emphasising the geologic development of Australia and the evolution of life; principles of stratigraphy; radiometric dating; palaeontology and biostratigraphy. Practical work includes stratigraphic interpretations, study of fossils and map interpretation. Field excursions to local areas of interest.
Courses: EDS0, SC30
Credit Points: 12 Contact Hours: 5 per week

**ESB229 GEOLOGY FOR THE BUILT ENVIRONMENT**
Basic principles and theories of geology, emphasising the way in which mineralogy and petrology, geologic structures, geomorphology and groundwater interact with, and are related to, surveying, and engineering design and construction. The engineering properties of rock and soil, and the effect of geologic hazards on the built environment; case histories on the relevance of geology to the surveyor's and civil engineer's workplace.
Courses: CE42, IF52, PS47
Credit Points: 6 Contact Hours: 2 per week

**ESB312 MINERALOGY**
Introductory crystallography; fundamentals of crystal chemistry, mineral stability and reactions; crystallisation, growth and habit; the geologic context of minerals; classification of minerals; systematic treatment of the physical, chemical and structural properties of minerals; techniques of mineral analysis; theory and identification of minerals in transmitted light; the introduction to mineralogy with a theory of reflected light; optical properties of ore minerals and identification of minerals in thin section, polished section and grain mounts.
Courses: EDS0, SC30
Prerequisites: ESB122
Credit Points: 12 Contact Hours: 2 per week

**ESB332 GEOPHYSICS**
Physical properties of the earth; geophysical methods including: seismic; gravity; magnetic; radiometric; resistivity, induced polarisation, electromagnetic; electrical properties of rocks and minerals; natural electrical sources. The unit covers both sold earth and exploration aspects.
Courses: EDS0, SC30
Prerequisites: One unit of maths or physics
Corequisite: ESB392  
Credit Points: 12  
Contact Hours: 5 per week

- **ESB342 STRUCTURAL GEOLOGY AND GEOMECHANICS**
  The geometry of map-scale structures. Principles of deformation: strain and rigid motion, measurements of strain in deformed rocks, deformation paths, strain rate, homogenization and non-homogeneous strain, normal and shear stress, Mohr diagram. Deformation mechanisms: elastic and thermal expansion, plastic deformation within series of assignments of increasing complexity, and field slip, thrust and classification, kink bands, chevron folds, boudinage, fracture formation: strain and rigid motion, measurements of and relation to other structures; faults normal, strike-slip, thrust and detachment faults; folds description and classification, kink bands, chevron folds, bounding mechanics and mechanisms. Practical work includes a series of assignments of increasing complexity, and field work involves mapping deformed terrain.
  Courses: ED50, SC30  
  Prerequisites: ESB122, ESB222  
  Corequisite: ESB392  
  Credit Points: 12  
  Contact Hours: 5 per week

- **ESB392 FIELD TECHNIQUES AND STUDIES**
  Methods used in the accumulation, analysis and interpretation of geological field data. Geological mapping, sampling and presentation of reports. This unit includes an extended excursion (five days or more), during which students are required (individually or in groups) to map the geology of an assigned area. During the field excursion, students are required to produce a geological map, together with supporting explanatory notes. Other weekend outings to areas of geological interest may be included.
  Courses: ED50, SC30  
  Prerequisites: ESB122, ESB222  
  Credit Points: 12  
  Contact Hours: 5 per week

- **ESB432 GEOMORPHOLOGY AND SEDIMENTARY GEOLOGY**
  Introduction to geomorphic systems, processes and landforms; regolith, weathering, effects of climate and subsidence; drainage systems and river processes; volcanic terrains, volcanic hazards and volcanism monitoring; type and distribution of marine sediments; the sediment cycle and sediment transport; sedimentary structures, sediment textures, grain size analysis; depositional environments; fossiliferous sediments and microfossils; an introduction to biostratigraphy and basin analysis.
  Courses: ED50, SC30  
  Prerequisites: ESB122, ESB222, plus one unit of first-year chemistry  
  Credit Points: 12  
  Contact Hours: 5 per week

- **ESB452 GEOCHEMISTRY**
  An introduction to the chemistry of the earth as a whole and of its component parts. Origin and distribution of the elements within the universe, the solar system, and the earth. Elemental associations, primary differentiation and geochemical classification. Crystal chemistry, nature of solids, bonding forces, covalent and ionic radii, crystal structures, unit cell composition, solid solution, introduction to thermodynamics, including equilibrium and equilibrium constants, chemical potential, fugacity, activity, the phase rule and phase diagrams. Isotope geochemistry. The geochemistry of aqueous environments, water chemistry, properties of water, solutions and solubilities, pH, oxidation and reduction, water reactions. Presentation of geochemical data. Practical aspects include experience in geochemical methodology, from sample collection in the field through analytical methods appropriate to geology (ICP, electron microprobe, XRD, AAS).
  Course: SC30  
  Prerequisites: ESB312, CHB182, CHB282  
  Credit Points: 12  
  Contact Hours: 5 per week

- **ESB462 LITHOLOGY**
  Optical mineralogy; the description and classification of igneous, metamorphic and sedimentary rocks in thin sections and hand specimen; the identification, classification and interpretation of textures. A field study of one day’s duration is required.
  Courses: ED50, SC30  
  Prerequisite: ESB312  
  Corequisite: ESB432  
  Credit Points: 12  
  Contact Hours: 5 per week

- **ESB472 MINERAL DEPOSITS AND MINE GEOLOGY**
  Ore concentration mechanisms according to classical and modern ore genesis theory. The different types of economic materials are then studied under the following headings: mineralogy, genesis, use and value, mining methods, beneficiation, major overseas deposits, Australian deposits. The role of the mine geologist. Practical work includes studies of economic minerals, and exercises in interpretation of mine data.
  Course: SC30  
  Prerequisite: ESB312  
  Credit Points: 12  
  Contact Hours: 5 per week

- **ESB512 IGNEOUS AND METAMORPHIC PETROLOGY**
  The origin, formation, and geologic history of igneous and metamorphic rocks as determined from field and laboratory studies of occurrences, mineral assemblages, rock compositions and textures. Interpretation of rock and mineral compositional diagrams; application of experimental work and detailed computer modelling of petrochemical processes. Practical work examines the petrography and geochemistry of igneous and metamorphic suites. Field studies are an essential component of the unit.
  Course: SC30  
  Prerequisite: ESB462  
  Credit Points: 12  
  Contact Hours: 5 per week

- **ESB522 HYDROGEOLOGY**
  A broad-based course on groundwater, directed to its occurrence and quality, from both resource and environmental aspects. The hydrological cycle; the origin, occurrence and movement of groundwater; geology and character of aquifers; the chemistry and quality of groundwater, and their monitoring; exploration methods; drilling and testing methods and equipment. Practical exercises with pump tests, groundwater flow, material permeability, field testing, chemical analysis, computer software and modelling. Laboratory visits, demonstrations and a field practical, interaction with government departments and private industry.
  Course: SC30  
  Prerequisite: ESB432  
  Credit Points: 12  
  Contact Hours: 5 per week

- **ESB542 ENGINEERING AND ENVIRONMENTAL GEOLOGY**
  This unit is structured around the inter-related fields of engineering and environmental geology and soil and rock mechanics. The topics studied are those most likely to apply to the work of the engineering or environmental geologist in tropical urban and coastal areas. Topics include investigation techniques and philosophies for the engineering of slopes, coastal structures, dams, buildings and subsurface openings; practical investigation methods; the input of geology into urban and coastal developments; the mechanical and chemical properties of soils and rocks; seepage; shear strength; bearing ca-
pacity; consolidation theory; stresses and displacements. in-situ stresses; earthquakes and slope stability.

Course: SC30
Prerequisites: ESB392 and either ESB342 or ESB462
Credit Points: 12  Contact Hours: 5 per week

■ ESB582 ORE GENESIS
The formation of ore deposits. A wide variety of deposits are studied with an emphasis on metallic ore deposits, their characteristics, and environments of deposition. Ore-forming processes are discussed, together with tectonic perspectives, modern ore formation and techniques of study of ore deposits.

Courses: SC30
Prerequisites: ESB472
Credit Points: 12  Contact Hours: 5 per week

■ ESB592 ADVANCED GEOLOGICAL MAPPING
A field excursion conducted during the semester break emphasising geologic mapping skills in lithologically and structurally varied regions. Past excursions have focused on the Mt Isa region, and have been run in collaboration with the University of Queensland. Lectures/tutorials prior to the excursion review and develop mapping and geologic interpretation techniques. Assessment is based on tutorial exercises completed during the semester, and geologic maps, cross sections and reports in the field. All work is finalised at the conclusion of the excursion. Students are expected to cover their transport expenses to the field site, as well as accommodation and food costs during the excursion.

Course: SC30
Prerequisites: ESB342, ESB392, ESB432, ESB512
Credit Points: 12

■ ESB602 GEOLOGICAL INVESTIGATIONS
An introduction to geological research through the development and completion of a research project within a specified area of geology. Students are required to develop, in consultation with an appropriate staff member, a research proposal with specific aims and objectives, relevant methodology and appropriate background. The research project must be field-based and include a laboratory component. Lecture/tutorial sessions in information retrieval, writing and presentation skills. Assessment is based on written and oral reports.

Course: SC30
Prerequisites: Approval from Head of School
Credit Points: 12  Contact Hours: 5 per week

■ ESB672 FOSSIL FUEL GEOLoGY
Coal properties, classification, genesis and analysis; hand specimen study and microscopy; hydrocarbon generation from coal and oil shale; coalfield geology and subsurface mapping techniques; basin analysis; coal production and economics. Origin and characteristics of petroleum fluids including: generation, accumulation and migration through time and space; study of structural and stratigraphic traps and reservoir rock characteristics; application of drilling, logging and geophysical techniques to quantify these aspects; correlation techniques including seismic stratigraphy; economics of production. Field excursions of short duration as required, together with practical assignments.

Course: SC30  Prerequisites: ESB522
Credit Points: 12  Contact Hours: 5 per week

■ ESB682 SEDIMENTOLOGY AND BASIN ANALYSIS
Principles of fluid flow, flow regimes, sedimentary processes; facies and sequence models for alluvial, deltaic, estuarine, shoreline, shelf, turbidite, lacustrine, carbonates and evaporite depositional systems; how these systems respond to accommodation-space changes induced by changes in tectonic, eustatic and climatic conditions through time; integration of geophysical, geochemical, biostatigraphical, palaeoecological, diagenetic, thermal and other specialist datasets to the process of basin analysis. Involves compulsory field studies and practical exercises in both modern and ancient sedimentary environments.

Courses: SC30, ESB50
Prerequisites: ESB342, ESB432, ESB462
Credit Points: 12  Contact Hours: 5 per week

■ ESB702 PROJECT
This unit involves undertaking, in consultation with a supervisor and through interaction with lecturing and technical staff of the School of Geology, a substantial project in an appropriate area of earth science. The unit provides the opportunity for students to identify and solve geological problems logically and creatively. Students are required to relate the project work to published work in the field of study, and adopt the style of the Australian Journal of Earth Sciences for the written report. Each project is assessed on the basis of an extensive written report and an oral presentation.

Course: SC60  Credit Points: 48

■ ESB706 GEOLOGY REVIEWS
Within this unit students develop a written discussion of a geological problem or issue that is comparable to the focus of their own research project. Using published literature, students critically analyse data and conclusions presented by other researchers in order to synthesise a discussion of the geological issue or case. The report focuses on those geological components that justify its selection as a geological review.

Course: SC60  Credit Points: 12  Contact Hours: 3 per week

■ ESB704 ADVANCED STUDIES IN EARTH SCIENCE
Provides a selection of coursework appropriate to fourth-level studies in earth science disciplines. The unit has a modular structure that not only accommodates the range of advanced level studies needed to support research projects of individual students but also avoids promoting overspecialisation at the Honours level. From the 4- and 8-credit point modules indicated, students select any combination of modules appropriate to their interests and research project to total 20

Credit Points: (a) Advanced Sedimentology and Stratigraphy [8 credit points]; (b) Advanced Resources Geology [8 cp]; (c) Coastal Zone Hazards [8 cp]; (d) Geochanical Systems: magmatic processes [4cp]; (e) Geochanical Systems: isotope, fluids and phase equilibria [4 cp]; (f) Global Plate Tectonics [8 cp]; (g) Groundwater Geology and Geochemistry [4 cp];

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(h) Mineral Exploration Geophysics [4 cp]; (i) Seismic Exploration Geophysics [4 cp].

Course: SC60

Prerequisites: As approved by Honours (Geology) Coordinator

Credit Points: 20  Contact Hours: 10 per week

■ ESB706 COMPLEMENTARY STUDIES

Provides students with skills that allow them to formulate and write a research proposal, to be capable of reading scientific literature with a view of abstracting critical aspects and to produce reports that are written in a journal format and at a standard that could lead to publication. The unit also addresses philosophical issues such as ethics, professional integrity and plagiarism, and provides workshops in practical methods relevant to research in geology. These workshops include: (a) SEM unit; XRD unit; ICP and AAS analysis; (b) computing skills; (c) sample collection and processing; (d) data presentation and geological mapping methods.

Course: SC60

Credit Points: 12  Contact Hours: 3 per week

■ ESN110 ADVANCED TOPICS IN EARTH SCIENCE

This unit facilitates students in developing an advanced understanding of a topic in earth science that is highly relevant to their proposed research. The content is therefore variable and depends on the earth science topic chosen.

Courses: SC80  Credit Points: 12

■ ESN130 COMPUTER APPLICATIONS IN EARTH SCIENCE

Examination of up to five computer programs relevant to a particular aspect of earth science operating on a range of systems; readings on the theoretical basis for each program; case studies for each application and an assessment of the results of the application.

Course: SC80  Credit Points: 12

■ ESN140 RESEARCH METHODOLOGY

A variety of field and laboratory techniques for the collection of data in a particular earth science discipline; the practical application of these techniques; strategies for assessing their appropriateness for particular problems; the theoretical basis of the research.

Course: SC80  Credit Points: 12

■ ESN160 SEMINARS

Students may present several seminars ranging from a summary of background to a particular topic to a preliminary data presentation. The unit may also involve attending external seminars or workshops.

Course: SC80  Credit Points: 12

■ ESN170 LITERATURE SURVEY

Develops the detailed background of a student's research topic and extends the student's knowledge into current and relevant literature.

Course: SC80  Credit Points: 12

■ EST219 ENGINEERING GEOLOGY

The basic principles and theories of geology, emphasizing the way in which mineralogy and petrology, geologic structures, geomorphology and groundwater interact with, and are related to, surveying, and engineering design and construction. The engineering properties of rock and soil, and the effect of geologic hazards on the built environment; case histories on the relevance of geology to the surveyor's and civil engineer's workplace.

Courses: CE21  Credit Points: 7  Contact Hours: 2 per week

■ GSN100 GLOBAL BUSINESS STRATEGIES

This unit places business strategy and policy firmly in a global context, developing knowledge, analytical understanding and action-taking competencies. The paradigm adopted is that of strategic management: analysis of stakeholders, special emphasis on the global environment and capabilities, strategy formulation, implementation and evaluation. Teaching methodologies emphasize the process of management in a global environment as well as analysis, content and concepts.

Courses: GS70, GS80, GS81  Prerequisites: An undergraduate degree in business, commerce or economics; or 48 credit points from the core of GS81  Credit Points: 12  Contact Hours: 3 per week

■ GSN101 INTERNATIONAL ENVIRONMENT OF BUSINESS

This unit places business in the context of the world system. Business operates in an increasingly international environment and the aim of this unit is to provide a detailed theoretical and practical understanding of that environment, its current and future trends. The focus will be upon: the economic, social and political factors conditioning contemporary international business structures and relations as well as its likely future developments.

Courses: GS70, GS80, GS81  Prerequisites: An undergraduate degree in business, commerce or economics; or 48 credit points from the core of GS81  Credit Points: 12  Contact Hours: 3 per week

■ GSN102 INTERNATIONAL FINANCE AND RESOURCE MANAGEMENT

This unit analyses international trade in goods and services in the context of the firm and its management. While it looks at the theoretical foundations upon which trade rests and the financial institutions and mechanisms which facilitate it, it also looks at the practical aspects of export and import activities, foreign investment, and establishing operations in a host country. The unit also discusses the various national and international bodies and agreements which facilitate and regulate trade and financial flows. At the theoretical level, particular topics covered include: the theory of comparative advantage; the balance of payments; the role of tariff and non-tariff trade barriers; international financial markets; international financial management; exchange rate determination; and international banking. At the practical level, particular topics include: terminology; exporters, importers, and foreign investors' responsibilities; export and import documentation; finance for international product, service, and capital transactions; risk and insurance as they relate to foreign transactions.

Courses: GS70, GS80, GS81  Prerequisites: An undergraduate degree in business, commerce or economics; or 48 credit points from the core of GS81 including GSN203  Credit Points: 12  Contact Hours: 3 per week

■ GSN103 INTERNATIONAL HUMAN RESOURCE MANAGEMENT

This unit focuses on the specifically international dimensions of Human Resource Management, principally as they affect domestic organisations operating internationally, as well as global, transnational and multinational organisations. Particular reference is given to the management aspects of international HRM. Topics include: the strategic link between international business and international HRM; going international; international labour markets; cross-cultural issues; career management issues; staff performance appraisal and management; compensation; preparation for international experience; compensation, staffing, performance appraisal.

Courses: GS70, GS80, GS81
Prerequisite: An undergraduate degree in business, commerce or economics; or 48 credit points from the core of GS81 including GSN205
Credit Points: 12  Contact Hours: 3 per week

■ GSN104 INTERNATIONAL MANAGEMENT AND BUSINESS ORGANISATION
Whereas 'Business and the International Environment' is concerned with broad, international trends, this unit aims to provide a detailed examination of typical impacts of the international environment upon organisation: management, structure, work, operations and human resource capabilities. The unit also examines the interface between management/organisation and the external environment of business.
Courses: GS70, GS80, GS81
Prerequisite: An undergraduate degree in business, commerce or economics; or 48 credit points from the core of GS81 including GSN204
Credit Points: 12  Contact Hours: 3 per week

■ GSN105 INTERNATIONAL MARKETING
This unit covers international marketing theory and planning, with a strong applied emphasis. Issues will include the segmentation of international markets, life cycle and consumer demand, strategies to international market entry choice, organisation marketing, channels, and market development and extension. Planning issues will focus on the strategic marketing processes involved, including international market research, and their application to regions and countries in the Asia/Pacific, European and North American areas.
Courses: GS70, GS80, GS81
Prerequisite: An undergraduate degree in business, commerce or economics; or 48 credit points from the core of GS81 including GSN206
Credit Points: 12  Contact Hours: 3 per week

■ GSN106 LEADING AND MANAGING INTERNATIONALLY
This unit develops both a sensitivity and a skills base to lead and manage effectively in a global setting. The unit explores different patterns of behaviour, custom and practice across the world in order to prepare students for the challenge of leading and managing. Different levels of analyses - individual, group, organisational, industry/region, societal/cultural - are brought to bear in this exploration.
Courses: GS70, GS80, GS81
Prerequisite: An undergraduate degree in business, commerce or economics; or 48 credit points from the core of GS81
Credit Points: 12  Contact Hours: 3 per week

■ GSN107 MANAGING INNOVATION AND ENTERPRISE DEVELOPMENT
The nature and processes of innovation (as applied to factors such as: products, services, technology, delivery, network structures) and enterprise creation and development. Assessment of the entrepreneur and new venture team as well as the business opportunity and resource requirements. The unit explores methods of establishing ventures from multidisciplinary perspectives. At the completion of this unit, students will possess the necessary skills and critical insight to contribute to the management of innovation and enterprise development in a global setting.
Courses: GS70, GS80, GS81
Prerequisite: An undergraduate degree in business, commerce or economics; or 48 credit points from the core of GS81
Credit Points: 12  Contact Hours: 3 per week

■ GSN108 INDUSTRY PLACEMENT
Students may proceed to this course of study if they have completed GSN207 Organisational Analysis and Consulting, and if they have arranged an industry placement and project acceptable to the Course Coordinator. The industry placement will take the form of a period of time spent with an organisation and during this period a consulting report will be undertaken.
Course: GS80, GS81
Prerequisites: 48 credit points in GS80 or GS81 including GSN207
Credit Points: 48

■ GSN109 INTERNATIONAL PROJECT I
This project enables students to undertake a piece of applied research with minimal supervision. Students should seek advice from the Course Coordinator regarding their choice of topic.
Course: GS80
Prerequisite: 48 credit points in GS80
Credit Points: 12

■ GSN110 INTERNATIONAL PROJECT II
This project enables students to undertake a significant piece of applied research with minimal supervision. Students should seek advice from the Course Coordinator regarding their choice of topic.
Course: GS80
Prerequisite: 48 credit points in GS80
Credit Points: 24

■ GSN200 BUSINESS STRATEGIES
This unit develops a manager's knowledge, analytical understanding and action-taking competencies. The paradigm adopted is that of strategic management. Analyses of stakeholders, environments, and capabilities, strategy formulation, implementation and evaluation. Teaching strategies emphasise the process of management as well as analysis, content and concepts.
Courses: GS70, GS80
Prerequisite: 48 credit points from core of GS81

■ GSN201 GLOBAL BUSINESS NETWORKS
Global communication technologies are developing at a rapid rate. They will underpin the operation of the global economy and change the operation of local business organisations, including the management of information and information flows. This unit examines this development from technological, cultural and business strategy perspectives. Experience with the INTERNET is provided with particular attention paid to its potential to change business fundamentals, such as marketing and advertising, strategic alliances and internal and external communication and management of information.
Courses: BS30, GS70, GS80, GS81
Credit Points: 12  Contact Hours: 3 per week

■ GSN202 MANAGERIAL ACCOUNTING
This unit, which deals with accounting concepts and principles, includes topics such as development of the profit and loss account and balance sheet; reporting assets and liabilities; recognition and management; cost/volume/profit analysis; manufacturing costs, budgeting, and managerial decision making.
Courses: BS30, GS70, GS80, GS81
Credit Points: 12  Contact Hours: 3 per week

■ GSN203 MANAGERIAL ECONOMICS
This unit examines principles of economics pertinent to managerial decision-making in the domestic and international economic environments. Topic areas include: an introduction to economics, demand analysis and forecasting; cost analysis; market strategy; investment analysis; international trade and the balance of payments. At the completion of the unit, students should be capable of applying economic principles to problems of resource allocation in the firm, in industry, and in the national and international economics. A principal means of achieving the end will be completion of an industry study...
by each student, and an analysis of the Commonwealth budget strategy.

Courses: BS30, GS70, GS80, GS81
Credit Points: 12  Contact Hours: 3 per week

Incompatible with: EFN405

■ GSN204 MANAGEMENT AND THE BUSINESS ENVIRONMENT

This unit provides a broad overview of management and business in national and global contexts. The focus will be on both profit and not-for-profit organisations. It provides the key foundation for subsequent units in the program. The unit acquaints students with the role of the manager and the main concepts, principles and techniques of management. In addition to a general introduction to management, students will explore the nature of business functions, structure and processes.

Courses: BS30, GS70, GS80, GS81
Credit Points: 12  Contact Hours: 3 per week

■ GSN205 MANAGING HUMAN RESOURCES

This unit recognises the importance of the management of human resources for organisational effectiveness and quality of work life. It emphasises the relationship between the management of human resources and the business enterprise at a strategic level. Perspectives brought to bear in this examination include strategic, functional and multiple constituency models. Topics include: workforce planning, job analysis, staffing, employer/employee relations, enterprise bargaining, training and development, equity issues, remuneration and career management.

Courses: BS30, GS70, GS80, GS81
Credit Points: 12  Contact Hours: 3 per week

■ GSN206 MARKETING

This unit examines the role of marketing and its place within the firm. It examines key marketing decision areas including the marketing environment, marketing research, consumer behaviour, marketing segmentation and positioning, product policy, pricing, promotion and distribution. It further examines the place of marketing within the strategic processes of the modern firm and the complexities brought about by an increasingly complex, international environment.

Courses: BS30, GS70, GS80, GS81
Credit Points: 12  Contact Hours: 3 per week

■ GSN207 ORGANISATIONAL ANALYSIS AND CONSULTING

The ability to analyse organisations and organisational functioning is critical to management effectiveness. It is important to be able to gather data about an organisation and its performance in order to better understand it and, where needed, to recommend and guide the implementation of change. Various theoretical models of organisation and organisational analysis, including action research models, are explored. This unit helps students to understand the role of the ‘change agent’ and equips them to perform the role of internal and/or external consultant from initial contact with the client/organisation through to completion, including proposal and report writing. This unit is compulsory for students undertaking industry placement.

Courses: BS30, GS70, GS80, GS81
Prerequisites: An undergraduate degree in business, commerce or economics; or 48 credit points from the core of GS81
Credit Points: 12  Contact Hours: 3 per week

■ GSN208 PERSONAL DEVELOPMENT AND ETHICS FOR MANAGERS

The focus of this unit is on the individual in interaction. Through it, individuals will identify and develop the competencies, interpersonal and intercultural, required to be an effective global manager. The competencies occur in both cognitive and affective domains at personal, interpersonal and professional levels. The unit also examines influence processes, personal behaviour and ethics, career management issues and reflective practice. Individuals will develop a sophisticated understanding of their personal style of interaction, allowing them to foster a healthy environment and alleviate dysfunctional processes.

Courses: BS30, GS70, GS80, GS81
Credit Points: 12  Contact Hours: 3 per week

■ GSN209 PROFESSIONAL PROJECT I

This project enables students to undertake a piece of applied research with minimal supervision. Students should seek advice from the Course Coordinator regarding their choice of topic.

Course: GS81 Prerequisite: 48 credit points in GS81
Credit Points: 12

■ GSN210 PROFESSIONAL PROJECT II

This project enables students to undertake a significant piece of applied research with minimal supervision. Students should seek advice from the Course Coordinator regarding their choice of topic.

Course: GS81 Prerequisite: 48 credit points in GS81
Credit Points: 24

■ HLN001 LITERATURE REVIEW

■ HLN002 RESEARCH PROJECT

■ HLN003 THESIS PRESENTATION

These three units combine to constitute the research/thesis component of the Master of Health Science. The thesis in total provides students with an opportunity to formally extend and synthesise knowledge gained in earlier semesters of the program. This study represents an independent and original piece of research conducted with the guidance of a supervisor. The thesis provides an opportunity for coursework conducted in the area of specialisation to be applied in a practical manner reflecting the student’s specific interest in health science. The thesis may be a report on research which makes a contribution to knowledge, or a study in which the student critically analyses and appraises existing knowledge and produces observations and conclusions of value to the field concerned. The thesis is divided into three distinct units: Literature Review 12cp, Research Project 12cp, Thesis Presentation 24cp. Units may be studied independently or concurrently.

Course: HLN83
Credit Points: 48 total
Contact Hours: HLN001 – 3 per week, HLN002 – 3 per week

■ HLN405 QUALITATIVE RESEARCH

Addresses qualitative methodologies and methods pertinent to research in the health sciences.

Courses: HLN88, HLN50, HLN52, HLN58, NS85, NS64, PU65, PU69
Credit Points: 12
Contact Hours: 3 per week

■ HLP101 ADVANCED DISCIPLINE READINGS

This unit provides the opportunity for students to identify and review the literature relevant to their selected research topic. A one day seminar in advanced information retrieval skills is included.

Courses: HLN50, HLN52, HLN58
Credit Points: 12

■ HLP102 RESEARCH SEMINARS

Preparation and completion of a seminar presentation in a professional and scientific manner plus attendance at scheduled seminars.

Courses: HLN50, HLN52, HLN58
Prerequisites: MAN009 or HLN405
Credit Points: 12
The study of systems of the human being basic to physi­cal activity; the interrelationships of health, physical activity and wellness, historically and dimensionally; basic principles of conditioning and exercise prescription to demonstrate the impact of physical activity on lifestyle diseases, health behaviours and wellness.

Courses: ED50, ED51, HM42
Credit Points: 12  Contact Hours: 4 per week

HMB276 RESEARCH IN HUMAN MOVEMENT
Principles of research: purposes, philosophy, applications. Quantitative research: principles of test construction and administration; basic statistics; basic research design; hypothesis testing. Qualitative research: methodology; data collection; theory building. Research presentation: writing a research report; developing conclusions. Application of research: examples in human movement; related literature.
Course: HM42
Credit Points: 12  Contact Hours: 4 per week

HMB301 HEALTH & PHYSICAL EDUCATION 1
The nature, scope and importance of health and physical education as part of the primary school curriculum. Content includes: concepts and content incorporated in the philosophy of health education and the importance of lifelong healthy living; the structure, management and evaluation of physical education lessons in the school environment; planning learning experiences and developing health and physical education program modules.
Course: ED51
Credit Points: 12  Contact Hours: 5 per week

HMB302 HEALTH & PHYSICAL EDUCATION 2
This unit builds on HMB301 to give a greater understanding of the nature of health education and physical education as applied curriculum areas. Further insight into relevant syllabus and curriculum documents is provided; competencies in planning and teaching developed; close links with teaching practice.
Course: ED51
Credit Points: 12  Contact Hours: 3 per week

HMB304 PHYSICAL ACTIVITY & MODERN SOCIETY
The nature of the symbiotic relationship between social patterns and the nature and role of physical activity and its influence upon physical education, sporting and fitness programs in primary schools. The importance of both social and cultural change and of the role of teachers in the design and implementation of such programs.
Course: ED51
Credit Points: 12  Contact Hours: 3 per week

HMB305 PERSONAL HEALTH
An examination of the range of factors influencing personal health including lifestyle and a range of social, economic and environmental factors. A holistic perspective on personal health.
Courses: ED50, ED51
Credit Points: 12  Contact Hours: 3 per week

HMB306 DEVELOPMENTAL & INTEGRATED PHYSICAL ACTIVITY
Provides the theoretical basis to enable teachers of physical education to program for and implement physical activity for all children. Topics include: normal motor development and variations in these patterns in children with an intellectual, sensory, neurological, physiologi­cal or orthopaedic disability. Students taking this unit participate in the community based physical activity programs for such children.
Course: ED51
Prerequisite: HMB306
Credit Points: 12  Contact Hours: 3 per week
HMB308 PHYSICAL ACTIVITY STUDIES
An overview of the breadth of the exercise science field with reference to the structure and function of the human body and key issues associated with the development of health related and motor fitness.
Course: ED51 Prequisite: HMB304
Credit Points: 12 Contact Hours: 3 per week

HMB310 PHYSICAL EDUCATION CURRICULUM STUDIES
The nature of physical education as an applied curriculum area. Insights into relevant Queensland syllabus and curriculum documents are provided; competencies in planning and teaching are developed and close links are made with teaching practice.
Courses: ED50, ED54
Prerequisites: EDB323 and at least 48 credit points in the relevant discipline area
Credit Points: 12 Contact Hours: 3 per week

HMB312 FITNESS PARAMETERS
To equip students to plan and monitor fitness programs. Topics include: essential physiology; circulatory, respiratory, muscular and energy systems; effects of nervous and endocrine functions on body systems; components of physical fitness; health related and sport performance related programs; principles and methods of training and conditioning; nutrition and weight control; thermo-regulation and fluid balance.
Courses: BS50, ED50
Credit Points: 12 Contact Hours: 5 per week

HMB313 SOCIO-CULTURAL FOUNDATIONS OF PHYSICAL ACTIVITY
Lays a foundation in the disciplines of the socio-cultural areas which underpin the study of human movement. It serves as an introduction to the historical, sociological, philosophical, anthropological and cultural foundations of sports, games and leisure activities.
Courses: ED50, HM42
Credit Points: 12 Contact Hours: 4 per week

HMB314 PERFORMANCE SKILLS 1
Involves application of scientific principles to the analysis and development of techniques in all major swimming strokes, water rescue methods and track and field events; for the development of personal and sport performance related programs; principles and methods of training and conditioning; nutrition and weight control; thermo-regulation and fluid balance. Students develop an understanding of the underlying principles that underpin performance and learn techniques for teaching and coaching selected sports.
Courses: ED50
Credit Points: 12 Contact Hours: 6 per week

HMB315 PERFORMANCE SKILLS 2
Various game forms are analysed in order to identify fundamental game skills and problem areas in skill development. Emphasis is placed on the application of relevant skills to suit game situations; of appropriate strategies for teaching and coaching selected sports to a variety of age groups and on the interpretation of rules in a competitive situation.
Course: ED50
Credit Points: 12 Contact Hours: 6 per week

HMB316 PERFORMANCE SKILLS 3
Basic theoretical principles fundamental to the performance and teaching of gymnastics and dance: physical fitness and basic biophysical principles of excellence in gymnastics; routines incorporating a variety of gymnastic and dance skills on floor/apparatus; recognise/ remedy of unsafe practices.
Course: ED50
Credit Points: 12 Contact Hours: 6 per week

HMB317 OUTDOOR EDUCATION
The value and place of outdoor education in schools and the community; development of proficiency in a number of outdoor pursuits; lightweight, minimum impact camping; leadership skills and safety techniques; the Australian natural environment; promotion of positive attitudes towards natural environments.
Course: ED50 Prequisite: HMB314
Credit Points: 12 Contact Hours: 6 per week

HMB321 SPORT IN SOCIETY
The relationship between sport and the social world. The nature and importance of the role of sport in modern Australian society through an analysis of such contemporary issues and developments in sport as drugs in sport, sport and the law, violence in sport, equity and sport, and sport and socialisation.
Courses: BS50, ED50
Prerequisites: HMB313 or consent of lecturer
Credit Points: 12 Contact Hours: 3 per week

HMB324 ADVANCED PERFORMANCE LABORATORIES
Investigation of selected advanced theoretical structures and application to a performance activity.
Course: ED50
Prerequisites: Compulsory Level 1 and Level 2 units
Credit Points: 12 Contact Hours: 3 per week

HMB328 INTERNATIONAL PHYSICAL EDUCATION & SPORT
Provides students with an international perspective on physical education and sport. Comparative studies in this field give insight into life in other countries and act to enhance international understanding of the global village.
Course: ED50
Prerequisites: HMB394 or HMB321 or consent of lecturer
Credit Points: 12 Contact Hours: 3 per week

HMB329 PLAY & CULTURE
A study of the play element in non-literate societies providing insight into play in contemporary societies. The anthropology of play provides a perspective not only for analysing play behaviour itself, but also for describing other cultural experience.
Course: ED50
Prerequisites: HMB313 or consent of lecturer
Credit Points: 12 Contact Hours: 3 per week

HMB332 HEALTH RELATED FITNESS
The role of health related fitness in the community and in the school for the attainment of optimal health.
Course: ED50
Credit Points: 12 Contact Hours: 3 per week

HMB333 CHILD & ADOLESCENT HEALTH
Child and adolescent health and the wide range of factors that impact on the health of individuals in these two crucial stages of life. An analysis is made of skills required for health-enhancing behaviours and experience provided in some of the skills needed to assess and maintain the health status of children.
Courses: ED50, ED51
Credit Points: 12 Contact Hours: 3 per week

HMB337 ORGANISATION & MANAGEMENT IN PHYSICAL EDUCATION & SPORT
School physical education departments and sporting associations are medium-sized organisations requiring direction for servicing a large client base with a fluctuating budget. Students examine the role of administrators, management and leadership styles, and the administration of monies, facilities and human resources in a sports setting.
Course: ED50
Credit Points: 12 Contact Hours: 3 per week
# HMB340 PHYSICAL EDUCATION
## CURRICULUM STUDIES IB
Designed for those students who have chosen to do a double major in physical education, this unit extends the understanding developed in HMB310 and focuses particularly on teaching within the classroom setting. Students are introduced to strategies used to develop higher order thinking skills and are encouraged to experiment with their use.

**Courses:** ED50, ED54  
**Credit Points:** 12  
**Contact Hours:** 3 per week

# HMB341 SPORTING & CAMPING ADMINISTRATION
The primary school physical educator is responsible for the organisation of educational programs both at school and in other educational and sporting settings. This unit assists students in understanding and organising a variety of sporting tournaments, carnivals and camping programs as educationally sound, safe and enjoyable experiences for children.

**Course:** ED51  
**Credit Points:** 12  
**Contact Hours:** 3 per week

# HMB342 THE DEVELOPMENT OF TEACHING SKILLS IN PHYSICAL EDUCATION
Designed around micro-teaching and involving student teachers, children and their working environment in schools, this unit promotes excellence in teaching, preparation and planning with an emphasis on active learning and research. Physical education teacher education students develop a greater understanding of their prospective working environment.

**Course:** ED51  
**Credit Points:** 12  
**Contact Hours:** 3 per week

# HMB343 ENVIRONMENTAL HEALTH
The focus of this unit is on educational responses to the growing concern about environmental hazards and their detrimental effects on human health. Emphasis on the curriculum implications of knowledge will assist children to make a positive contribution to health policy.

**Course:** ED51  
**Credit Points:** 12  
**Contact Hours:** 3 per week

# HMB344 HUMAN RELATIONSHIPS EDUCATION
This unit has a dual focus: effective interpersonal communication by teachers as members of the school community; and the curriculum and pedagogical process for teachers and children. Care, personal development, work experience and community-based learning characterise these curriculum programs. Students are introduced to these processes through lectures, seminars, workshops and appropriate field study experiences.

**Course:** ED51  
**Credit Points:** 12  
**Contact Hours:** 3 per week

# HMB345 MOTOR DEVELOPMENT & PERFORMANCE IN DISABLED CHILDREN
Examination of the effects of a wide range of intellectual, sensory, neurological, orthopaedic and physiological disorders on the motor development and performance of children. Assessment techniques for evaluating motor development and performance are combined with program planning and implementation with specific cases.

**Course:** ED51  
**Credit Points:** 12  
**Contact Hours:** 3 per week

# HMB346 FUNCTIONAL ANATOMY 2
A project-based unit designed to enable students with a background in Functional Anatomy to develop greater expertise in one or a combination of the following areas: electromyography, orthopaedic biomechanics, kinesthesiology of sport and work, comparative functional anatomy, locomotion and posture and research techniques in functional anatomy.

**Course:** HM42  
**Prerequisite:** HMB274  
**Credit Points:** 12  
**Contact Hours:** 4 per week

# HMB362 BIOMECHANICS 2
Research techniques within biomechanics; analysis of force systems; photographic, cinematographic, goniometric and electrographic analysis of movement; mass of inertial characteristics of the human body and biomechanical models.

**Courses:** HM42, HM546  
**Prerequisite:** HMB272 or equivalent  
**Credit Points:** 12  
**Contact Hours:** 4 per week

# HMB363 INDEPENDENT STUDY
To meet the specific interest of students beyond content offered within existing units; conceptualise, plan and execute a research study including literature review, development of an action plan, reflection on a practice situation, and proposal for future action. The student works at an advanced level and autonomously under the supervision of a lecturer.

**Courses:** ED50, HM42  
**Prerequisite:** Consent of Course Coordinator  
**Credit Points:** 12  
**Contact Hours:** 4 per week

# HMB364 SEMINARS IN HUMAN MOVEMENT
Offered to capitalise on the expertise of resident or visiting staff, special needs and interests of students, and to create flexibility in unit offerings. These may include special expertise, high quality limited period research projects, seminars, conferences and new initiatives by staff and students. An interest group will study the area chosen cooperatively.

**Courses:** ED50, HM42  
**Prerequisite:** Consent of Course Coordinator  
**Credit Points:** 12  
**Contact Hours:** 4 per week

# HMB370 PHYSICAL EDUCATION CURRICULUM STUDIES 2
The focus of this unit is divided between issues and directions of current trends in curriculum development and advanced strategies used to achieve variety in the presentation of indoor and outdoor lessons.

**Courses:** ED50, ED54  
**Prerequisite:** HMB310  
**Credit Points:** 12  
**Contact Hours:** 3 per week

# HMB371 MOTOR CONTROL & LEARNING 2
Major recent theories in motor control and learning; centralist and peripheralist theories; concepts of coordination and skill; control and learning of complex movements; interlimb coordination; interacting schemata; visual-spatial, force and temporal aspects and sequencing of complex movements. Research design in motor control and learning.

**Courses:** ED50, HM42  
**Prerequisite:** HMB271  
**Credit Points:** 12  
**Contact Hours:** 4 per week

# HMB372 BIOPHYSICAL BASES OF MOVEMENT REHABILITATION
Overview of rehabilitation including medico-legal aspects; health professionals in the rehabilitation process; exercise specialist, medical practitioner, physiotherapist, specialist physician; exercise prescription: overview of responses to injury implications for exercise programs; modalities of treatment: exercise and rest; immobilisation, cryotherapy and hydrotherapy; exercise prescription rehabilitation.

**Courses:** ED50, HM42  
**Prerequisites:** HMB271, HMB272, HMB273, HMB274  
**Credit Points:** 12  
**Contact Hours:** 4 per week
HMB374 PSYCHOLOGY OF REHABILITATION
Factors that predispose to injury and behavioural change; the psychological process of rehabilitation; teaching specific psychological rehabilitation and coping strategies; the grief process; the rehabilitation psychologist’s role in the rehabilitation team; disabled athletes.

Courses: ED50, HM42
Prerequisite: HMB275, HMB372
Credit Points: 12
Contact Hours: 4 per week

HMB375 ADAPTED PHYSICAL ACTIVITY
Similarities and differences in the motor development and performance with intellectual, sensory, neurological, physiological, orthopaedic, musculo-skeletal and cardio-respiratory conditions; assessment and programming for individuals with impairments including program organisation and service delivery models; importance of fitness, sport and leisure for disabled individuals in mainstreamed and disorder specific groups; dance and aquatics.

Courses: ED50, HM42
Prerequisite: HMB271
Credit Points: 12
Contact Hours: 4 per week

HMB376 MOTOR DEVELOPMENT IN CHILDREN
Theoretical perspective of normal and abnormal motor development, incorporating maturational, descriptive and behavioural aspects; underlying sensory, perceptual, neurological and cognitive changes which influence motor development in children. A theoretical understanding of gross and fine movement behaviour; and intellectually disabled, auditorily impaired and neurologically impaired children. Programs for motor impaired children.

Courses: ED50, HM42
Prerequisite: HMB271 or at lecturer’s discretion.
Credit Points: 12
Contact Hours: 4 per week

HMB377 CHILDREN IN SPORT
Physical development of the young athlete; physical maturation; benefits of participation in sport and physical activity; psycho-social issues: positive and negative effects of participation including competitive stress; injuries to the growing skeleton: overtraining, overuse injuries; strength training in childhood and adolescence; promotion of safety in sport: accreditation of teachers and coaches, policy guidelines for junior sport, Aussie sport program.

Courses: ED50, HM42
Credit Points: 12
Contact Hours: 4 per week

HMB380 PHYSICAL EDUCATION CURRICULUM STUDIES 2B
This unit is designed for those students doing a double major in physical education and focuses particularly on the areas of assessment and the use of action research in curriculum innovation. Students are required to undertake individual projects which allow them to practice critical reflection and autonomous learning in their pursuit of knowledge.

Course: HMB340
Prerequisite: HMB340
Credit Points: 12
Contact Hours: 3 per week

HMB381 EXERCISE PHYSIOLOGY 2
Theoretical component: an extension of material covered in exercise physiology: respiratory, circulatory and muscular systems; cardiac dynamics; hormonal and biochemical aspects of exercise. Laboratory component: familiarity with all equipment in the laboratory; testing procedures and methodology; interpretation and evaluation of results.

Course: HM42
Corequisite: HMB382
Credit Points: 12
Contact Hours: 4 per week

HMB382 EXERCISE PRESCRIPTION
Students research and analyse the physiological methods and procedures used in training and conditioning programs of all forms and levels of physical activity. The conditioning needs of specific populations are studied. The application of fitness assessment and exercise prescription is an integral aspect.

Courses: ED50, HM42
Prerequisite: HMB273 or at lecturer’s discretion.
Credit Points: 12
Contact Hours: 4 per week

HMB383 WORKPLACE HEALTH
The historical and current position of workplace health as one emerging focus of occupational health and safety. Issues, laws, policies, programs and union, employer and employee perspective are analysed in conjunction with the role of workplace health professionals. The planning, development, promotion, implementation, administration and evaluation of programs from a fitness counselor’s perspective.

Course: HM42
Credit Points: 12
Contact Hours: 4 per week

HMB384 INJURY PREVENTION & REHABILITATION
Roles and responsibilities of health professionals: first aid, injury prevention, rehabilitation, health training and facility management; prevention of injury: conditioning and fitness components, methods of evaluation of performance, personal responsibilities, protective equipment; types of injury: primary (indirect, direct and overuse) and secondary; structural classification of injury; procedures for management and rehabilitation: specific injuries.

Courses: ED50, HM42
Credit Points: 12
Contact Hours: 4 per week

HMB390 HEALTH EDUCATION CURRICULUM STUDIES 1
The nature of health education as an applied curriculum area. Insights into relevant Queensland syllabus and curriculum documents are provided; competencies in planning and teaching are developed and close links are made with teaching practice.

Courses: ED50, ED54
Prerequisite: EDB323 and at least 48 credit points in the relevant discipline area
Credit Points: 12
Contact Hours: 3 per week

HMB391 PROMOTION OF PHYSICAL ACTIVITY
Physical education departments, schools and sports organisations are constantly seeking funds, participants and spectators, and often the limiting factor is the low profile of the groups concerned. In this unit students examine the role of marketing and promotion, identify client and market mix, and develop strategies for the promotion and funding of activities.

Courses: BS50, ED50
Credit Points: 12
Contact Hours: 3 per week

HMB392 ORGANISING TOURNAMENTS & EVENTS
Competition is fundamental to all sports whether it be against oneself or another party. In this unit the philosophies related to competition and award systems for a varying client mix are examined; the complexities of, and skills required for, organisation of major sporting events in schools and other settings are discussed; and utilisation of human and facility resources in these settings is considered.

Courses: BS50, ED50
Credit Points: 12
Contact Hours: 3 per week

HMB393 SPORT & EQUITY
The inequalities that exist in society’s major institutions,
with particular reference to sport and physical education. The development of knowledge of government policy and legislation regarding equity in public, private and corporate establishments, as well as within educational settings.

Courses: B550, ED50
Prerequisites: HMB321 or HMB394 or consent of lecturer
Credit Points: 12 Contact Hours: 3 per week

■ HMB394 HISTORY OF PHYSICAL EDUCATION & SPORT
The historical evolution of physical education, sports and games with their role and relevance in societies past and present. It extends the historical focus of HMB313 and itself provides the foundation for contemporary analyses of sport in society.

Courses: B550, ED50 Prerequisite: HMB313
Credit Points: 12 Contact Hours: 3 per week

■ HMB395 HEALTH EDUCATION CURRICULUM STUDIES 2
The focus of this unit is divided between issues and directions associated with current trends in curriculum development and advanced strategies used to achieve variety in the presentation of health lessons.

Courses: ED50, ED54 Prerequisite: HMB390
Credit Points: 12 Contact Hours: 3 per week

■ HMB410 PHYSICAL EDUCATION CURRICULUM: SECONDARY
The factors responsible for current physical education curriculum development. Emerging trends are studied to highlight the implications for physical education programs; challenges the student to design a secondary curriculum that reflects current trends.

Courses: ED26, ED32
Credit Points: 12 Contact Hours: 3 per week

■ HMB411 PHYSICAL EDUCATION CURRICULUM: PRIMARY
The notion of the teacher of physical education and the classroom teacher reflecting on their experiences is of prime importance to the nature of this unit. An examination of the principles and procedures which are used within the physical education curriculum and the individual's classwork is central to the outcome. Action research methods are explained and linked to the sociological qualities of current curriculum practices. These issues relate to individual relationships within the physical education settings.

Courses: ED26, ED31
Credit Points: 12 Contact Hours: 3 per week

■ HMB412 HEALTH EDUCATION CURRICULUM PLANNING
Analysis and application of curriculum design theory and curriculum research to health education in primary and secondary schools. A focus on a curriculum design project is supported with a situational analysis of the project setting and is evaluated in a report on the effectiveness of the process.

Course: ED26
Credit Points: 12 Contact Hours: 3 per week

■ HMB440 MOTOR DEVELOPMENT & LEARNING IN CHILDREN
The role of reflexes and early voluntary movements in the development of the child; fundamental patterns of movement (walking, running, jumping, throwing, catching) sequential development; development of comprehension and manipulation; theories of motor learning; evaluation of perceptual-motor, sensory-motor and psychomotor theories.

Course: ED26
Credit Points: 12 Contact Hours: 3 per week

■ HMB441 SOCIOLOGY OF SPORT
A sociology of sport; historical and contemporary perspectives; sport in Australia; Australia's sporting heritage; corruption of sport; control of sport; media and sport; inequality in sport; social issues in sport.

Course: ED26
Credit Points: 12 Contact Hours: 3 per week

■ HMB442 ADMINISTRATION IN PHYSICAL EDUCATION & SPORT
Identification of duties of the administrator; administration theory; leadership styles and conflict resolution; budgeting and money management including sponsorship and fundraising; planning for a range of events; processes and procedures of management against a school and club setting.

Course: ED26
Credit Points: 12 Contact Hours: 3 per week

■ HMB471 PROJECT 1
Students in the Bachelor of Applied Science are required to undertake a project in Year 4. Students work in small groups on original topics. Work includes: a literature review and the presentation of experimental hypotheses, research methodology and analysis procedures. Groups present a formal colloquium at the end of Semester 1.

Course: HM42
Credit Points: 12

■ HMB472 PROJECT 2
The implementation of the plan, the analysis of results and publication of a report. Groups present a formal colloquium at the end of Semester 2.

Course: HM42
Credit Points: 12

■ HMB473 PRACTICUM I
A pre-placement work skills program followed by a structured and supervised initial vocational experience linked to the student's selected specialisation strand of study; the reality of the workplace; professional expectations; work ethics; client contact; guided practical application of specialist knowledge and skills in clinic settings. Reflective analysis of the experience.

Course: HM42
Credit Points: 12

■ HMB474 PRACTICUM 2
An extension of HMB473, a comprehensive vocational experience undertaken as a supervised full-time internship supervised full-time: operational tasks to include management and administration; independent professional skills and knowledge and full client services; and a comprehensive reflective analysis and internship.

Course: HM42
Credit Points: 24

■ HMB610 CLINICAL MEASUREMENT
Blood flow and volume, plethysmography; cardiorespiratory measurement; electrical impedance imaging; anthropometry and body composition; measurement of normal and pathological gait; kinematic and kinetic analyses of human movement and performance; functional evaluation of orthotics and prostheses; electromyography; ergonomic and environmental issues; measurement of special populations.

Course: ME46 Prerequisites: HMB272, HMB274
Credit Points: 8 Contact Hours: 3 per week

■ HMB611 HUMAN PERFORMANCE
Human adaptation to physical activity; performance efficiency and enhancement in children and adolescents; performance characteristics of adults and the elderly; human performance and the environment; performance evaluation and restoration/enhancement in the injured or disabled population.

Course: ME46
Prerequisites: HMB272, HMB274, HMB615
Credit Points: 8 Contact Hours: 3 per week
relevant Queensland syllabus and curriculum documents; competencies in planning and teaching are developed and close links made with teaching practice.

Course: ED32, ED37
Credit Points: 12  Contact Hours: 3 per week

**HUB004 HEALTH EDUCATION**

CURRICULUM STUDIES 2
Issues and directions associated with current trends in curriculum development; advanced strategies used to achieve variety in the presentation of health lessons.

Course: ED32, ED37
Credit Points: 12  Contact Hours: 3 per week

**HUB002 CONTEMPORARY MORAL PROBLEMS**
The central questions of applied ethics and moral philosophy through an analysis of contemporary issues: uses of technology, genetic engineering, nuclear energy, over-population, environmentalism, war, terrorism, civil disobedience, pacifism, racism, sexism, abortion, euthanasia, suicide and sexuality.

Course: ED26
Credit Points: 12  Contact Hours: 3 per week

**HUB003 PHILOSOPHY & NURSING 1**
A general introduction to philosophical questions and reasoning. Students have the opportunity to examine the ways in which personal beliefs and values impact on the nature of human beings and on nursing practice. Topics include: the nature of philosophy and political philosophy; the concept of personhood; spirituality and caring; critical thinking in nursing practice.

Course: NS40, NS48
Credit Points: 8  Contact Hours: 3 per week

**HUB004 PHILOSOPHY & NURSING 2**
Exploration of bioethics providing a foundation for the nursing professional in the handling of moral dilemmas intrinsic in the provision of health care. Topics include: introduction to ethics; bioethics in the social context; the process of moral decision-making; ethics and professional nursing practice.

Course: NS40, NS48
Credit Points: 8  Contact Hours: 3 per week

**HUB005 SOCIAL ETHICS & HUMAN RELATIONSHIPS**
Philosophical and pedagogical issues underpinning the human relationships dimension of classroom practice and school cultures (e.g. concept of personhood, the nature of love, power, desire, human rights); sociocultural factors and changes generating moral dilemmas in society; case studies of moral issues and moral decision-making; the ethics of teaching controversial issues and matters such as indoctrination and censorship in the context of human relationships education in the Queensland education system.

Course: ED50
Credit Points: 12  Contact Hours: 3 per week

**HUB007 HEALTH & ETHICS**
An introduction to ethics within a health care context. Particular focus on the role of health care educators exploring the ethical challenges confronting them and the ways in which they may cultivate moral sensitivity as part of community ‘well-being’.

Course: ED50
Credit Points: 12  Contact Hours: 3 per week

**HUB008 RESEARCH METHODS IN ETHICS & BIOETHICS**
Health care practice, including that of nursing practice, is both constituted by ethical values and embedded in a broader area of social provision, that of health care, where ethical concerns and dilemmas are constantly emerging. Consequently, the areas of health care ethics, bioethics and nursing ethics challenge the contemporary health care professional as a reflective practitioner and provide an emerging focus of postgraduate and professional research. This unit has been designed for those who plan to pursue postgraduate research in an area of applied ethics or bioethics or for those health care professionals who wish to develop a further expertise in their grasp of the ethical dimension to health care practice.

Course: NS40, NS48
Credit Points: 12  Contact Hours: 3 per week

**HUB009 ETHICS LAW & HEALTH CARE**
Nursing practice involves making decisions with and for others which necessarily involve making evaluations of what is in the best interest of others, what are nurses’ obligations to others and what will best promote or enhance their well-being. Hence, decision-making in nursing practice is bound by normative considerations and these normative considerations fall into two groups: those constituted by the law and those constituted by ethics. This unit has been designed to provide for nursing students and practitioners an opportunity to develop a reflective understanding of the place of law and ethics in nursing and a professional awareness of current legal statutes and ethical discussions as they apply to nursing practice.

Course: NS40, NS48
Credit Points: 12  Contact Hours: 3 per week

**HUB201 THE NATURAL ENVIRONMENT**
The geomorphological systems which are creating the surface of the earth and with which human systems interact; the probable effects of the interaction of human and physical systems.

Course: ED50
Credit Points: 12  Contact Hours: 3 per week

**HUB202 HUMAN GEOGRAPHY**
The nature and purpose of geography in terms of its conceptual structure and enquiry approaches; technologies, methods, skills used by geographers.

Course: ED50
Credit Points: 12  Contact Hours: 3 per week

**HUB207 ENVIRONMENTAL HAZARDS**
The nature of hazard, risk and disaster; origins of hazards; nature of disaster; influences on the perception of risk; disaster prediction, preparation, response and recovery strategies.

Course: ED50
Prerequisite: HUB201
Credit Points: 12  Contact Hours: 3 per week

**HUB313 AUSTRALIAN STUDIES**
The background to settlement; attitudes and beliefs of early settlers and the extent to which these influenced the development of colonial society; European civilisation and the Aborigines; the origins of an Australian stereotype and development of an ethos; nationalism and federation. Australia between the wars; Australia since World War II; urbanisation and the rights of the individual.

Course: ED50
Credit Points: 12  Contact Hours: 3 per week

**HUB419 LOTE 2**
Focuses on furthering students’ proficiency in a LOTE using communicative teaching techniques as outlined in the ALL guidelines. The major emphasis of the teaching program, expressed at an holistic level, relates to communication. Learners should be able to compose and comprehend a LOTE in both written and spoken modes in a range of genres and contexts and at a higher level of complexity than LOTE, Level 1. This is done through
lectures, workshops, tutorials and language tapes.

Course: ED41 Prerequisite: HUB418
Credit Points: 12 Contact Hours: 3 per week

- HUB449 LOTE 3
  At this level students are able to deal with more complex sociocultural information. In addition, they broaden their target language resource as well as develop an ability to use it; use more complex language structures and broader vocabulary; develop fluency and finer tune registers, genres, etc. and develop more theoretical/abstract discourse as the need arises in activities related to content.
  Course: ED41 Prerequisite: HUB419
  Credit Points: 12 Contact Hours: 3 per week

- HUB600 AUSTRALIAN SOCIETY & CULTURE
  Historical, political, economic and cultural information about Australia and Australians; egalitarianism; religion, frontiers and rural Australia; the historical and future role of technology in Australia.
  Courses: ED50, HU20, IF36
  Credit Points: 12 Contact Hours: 3 per week

- HUB601 HUMAN IDENTITY & CHANGE
  What it means to be human; ways human identities (e.g. cultural, sexual, professional) are created and transformed; issues of identity, morality and change confronting human units in their encounters with the demands of contemporary life.
  Courses: HU20, IF36
  Credit Points: 12 Contact Hours: 3 per week

- HUB610 APPROACHES TO ASIA/PACIFIC STUDIES
  General introduction to the history and emerging political economy of the Asia/Pacific region; historical core/periphery structures; the ascent and decline of powerful imperial and new Asian cores such as Japan; systemic and anti-systemic movements and Australia’s particular role in this region.
  Courses: ED50, ED51, HU20, IF36
  Credit Points: 12 Contact Hours: 3 per week

- HUB612 MODERN INDONESIAN STUDIES
  An understanding of contemporary Indonesia; regional political and economic influences including ASEAN; domestic politics; demographic issues; Australia-Indonesian relationships.
  Courses: ED50, ED51, HU20, IF36
  Credit Points: 12 Contact Hours: 3 per week

- HUB617 WOMEN, AID & DEVELOPMENT
  Challenges existing notions of development; evaluates current models of development and aid in terms of their implications for women; suggests that real development for women and their dependants requires a woman-centered approach.
  Courses: ED50, HU20, IF36
  Credit Points: 12 Contact Hours: 3 per week

- HUB618 ASIAN WOMEN: TRADITION, COLONISATION & REVOLUTION
  Uses case studies to provide a broad analysis of Asian women’s experiences of tradition, colonialism and revolution; highlights the linkages between traditional culture, colonialism and revolution; provides an appreciation of both the historical experiences and some of the contemporary concerns of Asian women.
  Courses: ED50, HU20, IF36
  Credit Points: 12 Contact Hours: 3 per week

- HUB619 PACIFIC CULTURE CONTACT
  Key concepts including mobility, religion, morality, leadership, civilisation, society, change and continuity; develops an appreciation of culture and sensitivity towards those groups or individuals who do not share a particular cultural heritage; case studies and comparative analysis focus on the people of the Pacific at the time of initial European contact.
  Courses: ED50, HU20, IF36
  Credit Points: 12 Contact Hours: 3 per week

- HUB620 THE PACIFIC SINCE 1945
  Analyses the link between culture and history in a post-contact context of change and continuity in the contemporary Pacific; overviews the events since 1945 that are important in the lives of Pacific Island people; presents key concepts including mobility, adaptation, change, tradition, continuity, modernisation, conflict and independence.
  Courses: ED50, HU20, IF36
  Credit Points: 12 Contact Hours: 3 per week

- HUB621 NORTH AMERICAN STUDIES
  A comparative approach to the histories of Canada, the United States and Mexico; key themes include patterns of early settlement, the development of political institutions, the treatment of minorities, and the interaction of these three nations up to the present.
  Courses: ED50, HU20, IF36
  Credit Points: 12 Contact Hours: 3 per week

- HUB622 LATIN AMERICAN STUDIES
  Uses case studies dealing with Latin American history and political economy from pre-conquest to the present day; focuses on US-Latin American relations and contemporary systemic/anti-systemic cases such as the national security state doctrines of authoritarian Chile/Argentina and radical Cuba and Nicaragua.
  Courses: ED50, HU20, IF36
  Credit Points: 12 Contact Hours: 3 per week

- HUB623 ASIA/PACIFIC POLITICAL STUDIES
  Studies the structural and ideological bases of Asia/Pacific leading countries within a broad world system overview; special emphasis on political models of development and cultural studies; case studies of systemic (e.g. Taiwan) and non-systemic models (e.g. NPA) are undertaken.
  Courses: ED50, HU20, IF36
  Credit Points: 12 Contact Hours: 3 per week

- HUB624 ISLAM & POLITICS IN SOUTH-EAST ASIA
  An advanced seminar in Asian Pacific Studies normally taken by third and fourth year (Honours) students.
  Courses: HU20, HU21, ED50
  Credit Points: 12 Contact Hours: 3 per week

- HUB625 AMERICAN LITERATURE
  Concentrates principally on twentieth century American literature in the years preceding World War II and the postwar construction period to the present. Particular emphasis on major precursors in literature and on the ways in which writers have responded to, and interpreted, political and social currents in the pre- and post-World War II periods.
  Courses: ED50, HU20
  Credit Points: 12 Contact Hours: 3 per week

- HUB626 CONTEMPORARY SOUTH-EAST ASIA
  An introduction to Southeast Asia as a region focusing on geographic characteristics, recent political developments, population and urban studies, economic development and social and cultural characteristics.
  Courses: HU20, IF26, ED50
  Credit Points: 12 Contact Hours: 3 per week
HUB627 AUSTRALIA AND THE SOUTH PACIFIC
Critical analysis of the history of Australian bilateral and multilateral links with the Pacific islands region, including Pacific frontier theory, sub-imperialism, colonial rule and contemporary dialogue over aid, trade, regionalism, defence, cultural exchange and migration. The unit will focus on events from 1788 to the present.
Courses: HU20, IF36, ED50
Credit Points: 12
Contact Hours: 3 per week

HUB628 MODERN JAPAN
The history of nineteenth and twentieth century Japan: the range of contemporary issues confronting Japan, including those associated with Japan’s increased power in the Asia/Pacific region. Where possible, primary source documentation is used to enhance historical understanding.
Courses: HU20, IF36, ED50
Credit Points: 12
Contact Hours: 3 per week

HUB629 MODERN CHINA
A historical survey of China during the nineteenth and twentieth centuries. The primary focus will be on the decline of the traditional Chinese state and the impact of foreign imperialism. Stress is placed on the growth of nationalism and the Chinese revolution. The modernisation of Chinese culture, the position of women and the forces which have brought China to resume its place as the major Asian power.
Courses: HU20, IF36, ED50
Credit Points: 12
Contact Hours: 3 per week

HUB630 GEOGRAPHY OF EAST ASIA
A geographical interpretation of the East Asia region covering China, Japan and Korea. This includes an examination of the region’s physical landscapes, human population distribution, demographic and cultural change, environmental issues and the role of the East Asian countries in the geopolitics of the Asia-Pacific region.
Courses: ED50, IF36, HU20
Credit Points: 12
Contact Hours: 3 per week

HUB631 SEMINAR IN JAPANESE ISSUES
An advanced seminar in Japan Studies normally taken by third and fourth year (Honours) students.
Courses: HU20, HU21, ED50
Credit Points: 12
Contact Hours: 3 per week

HUB646 INTERNATIONAL INTENSIVE PROGRAM
Short period of intensive language study conducted at an approved institution in the country where the target language is used; aims to enhance language skills and introduce students to the culture of the country in an immersion situation.
Courses: BS50, ED50, HU20
Credit Points: 12
Contact Hours: 3 per week

HUB647 INTERNATIONAL SUMMER SCHOOL OR EQUIVALENT
This unit is held in residence at a designated foreign university for four to six weeks of concentrated learning; aims to enhance student’s proficiency in the four macro skills; increases student’s understanding of the cultural context in which the target language is used.
Courses: BS50, ED50, HU20
Credit Points: 24

HUB648 INTERNATIONAL SEMESTER OR EQUIVALENT
Students follow an approved course of study at a designated foreign university for a semester. The unit aims to improve language skills in an immersion situation and at the same time provide the cultural experience of living in the country of the language being studied for an extended period of time.
Course: ED50, HU20
Credit Points: 48

HUB649 HISTORY WRITING IN MODERN EUROPE
An advanced seminar in European Studies normally taken by third and fourth years (Honours) students.
Courses: HU20, HU21, ED50
Credit Points: 12
Contact Hours: 3 per week

HUB650 INTRODUCTORY INDONESIAN 1
This unit assumes no prior knowledge of Indonesian, and aims to equip beginning students with elementary communicative competence in a range of common everyday situations.
Courses: HU20, IF36, BS50, ED50, ED51
Credit Points: 12
Contact Hours: 4 per week

HUB651 INTRODUCTORY INDONESIAN 2
This unit expands beginners’ repertoire of communicative competence into a wider range of situations. Relatively more emphasis upon speaking and listening rather than reading and writing.
Courses: HU20, IF36, BS50, ED50, ED51
Prerequisite: HUB650 or equivalent
Credit Points: 12
Contact Hours: 4 per week

HUB652 INDONESIAN LANGUAGE & CULTURE 1
This unit advances learners’ competence to intermediate level, with some analytical focus on syntactic and morphological structures in Indonesian.
Courses: HU20, IF36, BS50, ED50, ED51
Prerequisite: HUB651 or equivalent
Credit Points: 12
Contact Hours: 4 per week

HUB653 INDONESIAN LANGUAGE & CULTURE 2
This unit continues to develop fluency in all macro skills to an intermediate level, with increased use of authentic source materials.
Courses: HU20, IF36, BS50, ED50, ED51
Prerequisite: HUB652 or equivalent
Credit Points: 12
Contact Hours: 4 per week

HUB654 INDONESIAN LANGUAGE & CULTURE 3
This unit continues to develop proficiency in all macro skills, using mainly authentic texts (written, audio and audio-visual).
Courses: HU20, IF36, BS50, ED50, ED51
Prerequisite: HUB653 or equivalent
Credit Points: 12
Contact Hours: 4 per week

HUB655 INDONESIAN LANGUAGE & CULTURE 4
The unit extends learners’ proficiency, with almost exclusive use of authentic texts.
Courses: HU20, IF36, BS50, ED50, ED51
Prerequisite: HUB654 or equivalent
Credit Points: 12
Contact Hours: 4 per week

HUB656 INDONESIAN LANGUAGE & CULTURE 5
This unit enhances learners’ linguistic skills to a level where they can read modern Indonesian sources, understand television programs, as well as discuss and write intelligently about issues.
Courses: HU20, IF36, BS50, ED50, ED51
Prerequisite: HUB655 or equivalent
Credit Points: 12
Contact Hours: 4 per week

HUB657 INDONESIAN LANGUAGE & CULTURE 6
This unit fine tunes learners’ proficiency in all four macro skills and deals with contemporary issues almost entirely in the Indonesian language.
Courses: HU20, IF36, BS50, ED50, ED51
Prerequisite: HUB656 or equivalent
Credit Points: 12
Contact Hours: 4 per week
<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>HUB660 INTRODUCTORY JAPANESE 1</td>
<td>Students with little or no previous experience in Japanese are introduced to the four skills of listening, speaking, reading and writing; the Hiragana script is studied from the outset and 120 Kanji are introduced; and appreciation of cultural aspects are integrated into the course.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>4 per week</td>
<td>12</td>
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<tr>
<td>HUB661 INTRODUCTORY JAPANESE 2</td>
<td>Develops the four skills of listening, speaking, reading and writing using a communicative approach; Katakana and an additional 130 Kanji are introduced; cultural issues are integrated with relevant language situations.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>4 per week</td>
<td>12</td>
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<tr>
<td>HUB662 JAPANESE LANGUAGE &amp; CULTURE 1</td>
<td>This unit is for students who have completed Year 12 Japanese (or equivalent); it consolidates and further develops the four skills of listening, speaking, reading and writing through an integrated approach; 150 additional Kanji are introduced; cultural aspects are integrated with relevant language situations.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>4 per week</td>
<td>12</td>
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<tr>
<td>HUB663 JAPANESE LANGUAGE &amp; CULTURE 2</td>
<td>Consolidates and develops listening, speaking, reading and writing skills through an integrated approach; 150 additional Kanji are introduced; cultural aspects are incorporated with relevant language situations.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>4 per week</td>
<td>12</td>
</tr>
<tr>
<td>HUB664 JAPANESE LANGUAGE &amp; CULTURE 3</td>
<td>An intermediate level unit aiming enhancing students' language skills by concentrating on more complex grammatical structures; 150 additional Kanji are introduced; cultural aspects are incorporated with relevant language situations.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>4 per week</td>
<td>12</td>
</tr>
<tr>
<td>HUB665 JAPANESE LANGUAGE &amp; CULTURE 4</td>
<td>In this intermediate level unit, students' language skills are further enhanced through authentic resources adopted for classroom use; 150 additional Kanji are introduced; cultural aspects are integrated with language materials.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>4 per week</td>
<td>12</td>
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<tr>
<td>HUB666 JAPANESE LANGUAGE &amp; CULTURE 5</td>
<td>Extends language skills through exposure to the natural language of newspapers and television; students should know 1000 Kanji by the end of this unit.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>4 per week</td>
<td>12</td>
</tr>
<tr>
<td>HUB667 JAPANESE LANGUAGE &amp; CULTURE 6</td>
<td>Focusing on the media, extends students' linguistic skills to a level where they can access authentic materials, express opinions and discuss issues; Kanji knowledge is extended beyond 1000.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>4 per week</td>
<td>12</td>
</tr>
<tr>
<td>HUB670 INTRODUCTORY FRENCH 1</td>
<td>Designed for students who have had little or no previous experience of French; develops a basis for further language acquisition and stresses oral/aural skills with some introduction to reading comprehension.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>4 per week</td>
<td>12</td>
</tr>
<tr>
<td>HUB671 INTRODUCTORY FRENCH 2</td>
<td>Develops a range of language skills; stresses oral/aural skills; extends reading comprehension and begins the development of writing skills.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>4 per week</td>
<td>12</td>
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<tr>
<td>HUB672 FRENCH LANGUAGE &amp; CULTURE 1</td>
<td>Designed to meet the needs of students who have completed Year 12 French (or equivalent); focuses on speaking, listening and reading skills.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>4 per week</td>
<td>12</td>
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<tr>
<td>HUB673 FRENCH LANGUAGE &amp; CULTURE 2</td>
<td>Continues the development of speaking, listening and reading skills. Attention is paid to writing skills. Aims to help students communicate orally with ease and confidence before embarking on a more sustained study of written French.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>4 per week</td>
<td>12</td>
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<tr>
<td>HUB674 FRENCH LANGUAGE &amp; CULTURE 3</td>
<td>In-depth review of the expression of time in French through the study of a feature film and other forms of narrative. Further develops the four macro skills.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>2 per week</td>
<td>12</td>
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<tr>
<td>HUB675 FRENCH LANGUAGE &amp; CULTURE 4</td>
<td>Equips students to debate issues or discuss texts, visual and written using verbal and non-verbal means; attention is paid to the four macro skills.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>4 per week</td>
<td>12</td>
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<tr>
<td>HUB676 FRENCH LANGUAGE &amp; CULTURE 5</td>
<td>Individual study program on a topic selected in consultation with staff. Aims to develop advanced reading and writing skills.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>4 per week</td>
<td>12</td>
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<tr>
<td>HUB677 FRENCH LANGUAGE &amp; CULTURE 6</td>
<td>This advanced unit explores the potential of French expression, verbal and non-verbal. It looks at gesture and idiomatic expressions, drawing on the satirical press, films, cartoons and theatre.</td>
<td>BSS50, ED50, ED51, HU20, IF36</td>
<td>2 per week</td>
<td>12</td>
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<tr>
<td>HUB678 FRENCH FOR BUSINESS AND THE PROFESSIONS</td>
<td>Equips students to use French in business or professional contexts. The focus is on: the professional experience of guest speakers; background information needed for</td>
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</table>
survival in the French-speaking business world; and everyday business documents.
Courses: BS50, HU20, IF36
Prerequisites: HUB675 (4 or better)
Credit Points: 12  Contact Hours: 3 per week

HUB680 APPROACHES TO AUSTRALIAN STUDIES
Introduces the Australian Studies major; focuses on cultural themes within Australian history; includes an examination of the shock felt by pre-1850s immigrants, racial conflict and naturalisation processes.
Courses: ED50, HU20, IF36
Credit Points: 12  Contact Hours: 3 per week

HUB682 SOCIAL MOVEMENTS IN AUSTRALIA
New social movements in Australia since the 1960s; includes green, women's, peace, Aboriginal and Third World development movements; comparison with overseas and old social movements.
Courses: ED50, HU20, IF36
Credit Points: 12  Contact Hours: 3 per week

HUB683 AUSTRALIAN GEOGRAPHICAL STUDIES
Expands the geographical understanding of students into the cultural area, enabling them to appreciate the significance and interrelationships of issues of people, land, resources, energy and technology.
Courses: ED50, HU20, IF36
Credit Points: 12  Contact Hours: 3 per week

HUB685 AUSTRALIAN RESOURCE MANAGEMENT
Considers the various development options open to Australia. Attention is paid to Australia's economic history and current economic structures.
Courses: ED50, HU20, IF36
Credit Points: 12  Contact Hours: 3 per week

HUB687 CONTEMPORARY MORAL PROBLEMS
Introduction to applied ethics and moral philosophy through an analysis of a range of contemporary issues within an Australian context, e.g. uses of technology, genetic engineering, nuclear energy, overpopulation, environmentalism, war, terrorism, civil disobedience, pacifism, racism, sexism, abortion, euthanasia, suicide and sexuality.
Courses: HU20, IF36
Credit Points: 12  Contact Hours: 3 per week

HUB690 THEMES IN AUSTRALIAN HISTORY
Covers historical and cultural material on Australian mythologies and historiographies; European and Aboriginal understandings of the land; Aboriginal mapping and art; the construction and importance of cities; ways in which notions such as motherhood were enlisted in nationalism.
Courses: ED50, HU20, IF36
Credit Points: 12  Contact Hours: 3 per week

HUB691 WOMEN'S PAST - WOMEN'S HISTORY TO FEMINIST HISTORIOGRAPHY
Challenges a masculine version of history; considers the historiographical debate on the development of women's history in the Australian context; explores a range of issues including case studies of women's issues and experiences; encourages the process of documenting women's history via testimony.
Courses: ED50, HU20, IF36
Credit Points: 12  Contact Hours: 3 per week

HUB692 CONSPIRACY & DISSENT IN AUSTRALIAN HISTORY
Uses case studies to reflect conspiracies as well as protest movements in nineteenth and twentieth century Australia; includes nineteenth century land grab conspiracies; Aboriginal resistance; anti-war movements; the Petrov affair; the 1975 dismissal.
Courses: ED50, HU20, IF36
Credit Points: 12  Contact Hours: 3 per week

HUB693 AUSTRALIAN RACE RELATIONS
Race relations within Australia before and after British settlement and locates material within a comparative international framework. Theories of race, trade routes, racial violence and resistance.
Courses: ED50, HU20, IF36
Credit Points: 12  Contact Hours: 3 per week

HUB694 AUSTRALIAN POLITICS
The political life of the Australian citizen; the democratic political traditions and institutional bases of Australian political life; the process by which political decisions get made at all levels of Australian politics.
Courses: HU20, IF36, ED50
Credit Points: 12  Contact Hours: 3 per week

HUB700 ABORIGINAL & TORRES STRAIT ISLANDER CULTURE STUDIES
An appreciation of the two distinct indigenous cultures of Australia; how external forces to Aboriginal and Torres Strait Islander cultures caused social, economic and political changes; traditional family life and organisation.
Courses: ED50, HU20, IF36
Credit Points: 12  Contact Hours: 3 per week

HUB701 ABORIGINAL & TORRES STRAIT ISLANDER LITERATURE
Despite the fact that it represents the indigenous culture of Australia, the oral tradition of Aborigines and Torres Strait Islanders has only recently begun to be appreciated. By examining this tradition, its continuation to the present day and its transformation into published texts, this unit seeks to open the eyes of students to a different world view.
Courses: ED50, HU20, IF36
Credit Points: 12  Contact Hours: 3 per week

HUB702 THE AUSTRALIAN DREAMING: THE INDIGENOUS CONSTRUCTION
A philosophical overview of Aboriginal and Torres Strait Islander culture; draws upon a variety of conceptual approaches; examines theories which underpin indigenous constructions of reality.
Courses: HU20, IF36
Credit Points: 12  Contact Hours: 3 per week

HUB703 INDIGENOUS POLITICS & POLITICAL CULTURE
Examines issues and influences underlying the world of indigenous politics: political representation; land rights; health; education; community development; criminal justice; culture and heritage. An Australian focus with New Zealand and North American comparisons.
Courses: HU20, IF36
Credit Points: 12  Contact Hours: 3 per week

HUB710 AUSTRALIAN LITERARY STUDIES
A critical appreciation of various texts from Australia's literary tradition; considers the impact of social values, political and artistic movements upon literature production and genres; the dichotomy of mainstream and marginalised writing in various groups and periods of Australia's cultural traditions.
Courses: ED50, HU20, IF36
Credit Points: 12  Contact Hours: 3 per week
The literary contribution of Australian women writers from the nineteenth and twentieth centuries to Australian culture and society; focuses on a number of significant texts that raise crucial issues in their representation of women's lives and identities.
Courses: ED50, HU20, IF36
Credit Points: 12 Contact Hours: 3 per week

HUB712 AUSTRALIAN CHILDREN'S & ADOLESCENT FICTION
Children's and adolescent novels within the cultural context of nineteenth and twentieth century Australia; focuses on textual analysis of major generic types; considers issues such as race, gender, class and regionalism in fiction for young Australians.
Courses: ED50, HU20, IF36
Credit Points: 12 Contact Hours: 3 per week

HUB713 SEMINAR IN AUSTRALIAN URBAN STUDIES
An advanced seminar in Australian Studies normally taken by third and fourth year (Honours) students.
Courses: HU20, HU21, ED50
Credit Points: 12 Contact Hours: 3 per week

HUB714 ABORIGINAL COMMUNITIES IN CRISIS AND RECOVERY
An advanced seminar in Australian Studies normally taken by third and fourth year (Honours) students.
Courses: HU20, HU21, ED50
Credit Points: 12 Contact Hours: 3 per week

HUB720 APPROACHES TO EUROPEAN STUDIES
A broad introduction to the major studies sequence in European studies; uses historical and literary perspectives to highlight major themes in the development of European society and culture.
Courses: ED50, HU20, IF36
Credit Points: 12 Contact Hours: 3 per week

HUB721 THE CLASSICAL WORLD
The emergence and development of European society from earliest times to 500 AD; in alternate semesters it examines the major political, social and economic trends in classical Greek or Roman society.
Courses: ED50, HU20, IF36
Credit Points: 12 Contact Hours: 3 per week

HUB722 FOUNDATIONS OF MODERN EUROPE
The formation of modern Europe from the late Middle Ages to the end of the nineteenth century; the emergence of secularism and the rise of nation states.
Courses: ED50, HU20, IF36
Credit Points: 12 Contact Hours: 3 per week

HUB723 WAR & REVOLUTION IN EUROPE 1914-1945
This subject selectively examines political, social, economic and intellectual developments in Europe from 1914-1945.
Courses: HU20, IF36, ED50
Credit Points: 12 Contact Hours: 3 per week

HUB724 NINETEENTH CENTURY ENGLISH LITERATURE & CULTURE
Focuses on two major literary genres: the novel and poetry; their evolution and variety in a time of profound economic, political and social change in England between 1790 and 1880; examines the variety of response of a number of literary artists to these changes and the ways narrative and verse forms were adapted and evolved.
Courses: ED50, HU20, IF36
Credit Points: 12 Contact Hours: 3 per week

HUB725 TWENTIETH CENTURY ENGLISH LITERATURE & CULTURE
Critical analysis of key British literary texts of the twentieth century (prose, poetry, drama); the theoretical and cultural movements that underpin them.
Courses: ED50, HU20, IF36
Credit Points: 12 Contact Hours: 3 per week

HUB726 EUROPEAN LITERATURE & SOCIAL CHANGE
Uses a broadly defined European perspective to explore how literary texts respond to, influence and are in turn influenced by social and cultural forces; set texts are explored from a range of thematic perspectives: industrialisation and the impact of new technologies, war and civil unrest, political power and citizenship, colonialism and post-colonialism.
Courses: ED50, HU20, IF36
Credit Points: 12 Contact Hours: 3 per week

HUB727 EUROPEAN LITERATURE & IDENTITY
Explores selected European literary texts from different periods and regions with a focus on identity e.g. gender, individual development, sexual and social relations, normality and abnormality, crime and the problems of evil, imagination and fantasy.
Courses: ED50, HU20, IF36
Credit Points: 12 Contact Hours: 3 per week

HUB728 POPULAR LITERATURE
Explores the psychological, political and ideological functions of popular literature by studying texts from different popular genres (e.g. romance, crime fiction; spy thrillers; fantasy; science fiction; family sagas; horror; comics); methods of analysing the historical development of generic forms relating to the varying social contexts in which they are produced.
Courses: ED50, HU20, IF36
Credit Points: 12 Contact Hours: 3 per week

HUB729 SHAKESPEARE
Shakespeare is examined both in his own time and the present to analyse the dominance of this cultural icon; emphasises recent theoretical and performance strategies in Shakespearean genre studies.
Courses: ED50, HU20, IF36
Credit Points: 12 Contact Hours: 3 per week

HUB730 WOMEN'S WRITING & REPRESENTATION
Examines ways women have been represented in literary and non-literary texts; identifies cultural contexts in which women write and are represented; examines nineteenth and twentieth century texts by European writers by and about women.
Courses: ED50, HU20, IF36
Credit Points: 12 Contact Hours: 3 per week

HUB735 INTRODUCTORY GERMAN 1
An introductory unit in the German language for students with little or no previous knowledge of German; equips students with some of the basic communication skills for a variety of everyday situations.
Courses: BS50, ED50, ED51, HU20, IF36
Credit Points: 12 Contact Hours: 4 per week

HUB736 INTRODUCTORY GERMAN 2
An intensive introductory unit in the German language; develops basic communication skills.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisite: HUB735
Credit Points: 12 Contact Hours: 4 per week

HUB737 GERMAN LANGUAGE & CULTURE 1
Designed for students who have completed Year 12 Ger-
man or its equivalent; consolidates the four language skills of reading, writing, listening and speaking; introduces students to a selection of postwar literature from German-speaking countries.

**Courses:** BS50, ED50, ED51, HU20, IF36

**Prerequisites:** Year 12 German or equivalent

**Credit Points:** 12

**Contact Hours:** 4 per week

**HUB738 GERMAN LANGUAGE & CULTURE 2**

Continues the consolidation of the four macro skills; aims to further cultural awareness through a study of some examples of contemporary German literature from East and West Germany.

**Courses:** BS50, ED50, ED51, HU20, IF36

**Prerequisite:** HUB737

**Credit Points:** 12

**Contact Hours:** 4 per week

**HUB739 GERMAN LANGUAGE & CULTURE 3**

Develops linguistic competence in the German language to a higher level; equips students with the language skills necessary for more demanding linguistic interactions and situations; an introduction to a major period in the development of German culture through a study of the German enlightenment and classical and romantic German texts.

**Courses:** BS50, ED50, ED51, HU20, IF36

**Prerequisite:** HUB738

**Credit Points:** 12

**Contact Hours:** 4 per week

**HUB740 GERMAN LANGUAGE & CULTURE 4**

Develops linguistic competence in the German language to a higher level; equips students with the language skills necessary for more demanding linguistic interactions; introduction to the major cultural traditions of the nineteenth century through a study of a selection of nineteenth century texts.

**Courses:** BS50, ED50, ED51, HU20, IF36

**Prerequisite:** HUB739

**Credit Points:** 12

**Contact Hours:** 4 per week

**HUB741 GERMAN LANGUAGE & CULTURE 5**

Develops linguistic competence in the German language to a more advanced level by extending students' vocabulary and range of registers and expressions; introduces the culture of modernity through the literary movements of modernism, expressionism and Viennese fin de siecle and the avant-garde.

**Courses:** BS50, ED50, ED51, HU20, IF36

**Prerequisite:** HUB740

**Credit Points:** 12

**Contact Hours:** 4 per week

**HUB742 GERMAN LANGUAGE & CULTURE 6**

Develops linguistic competence in the German language to a more advanced level necessary for dealing with more complex linguistic interactions and texts; provides a survey of postwar East and West German literature and a decision-making; covers questions such as 'Why be moral?' 'What is the good or the right?' and 'How do we make moral decisions?'; questions are related to current practical ethical dilemmas.

**Courses:** HU20, IF36

**Credit Points:** 12

**Contact Hours:** 3 per week

**HUB751 PUBLIC & PROFESSIONAL ETHICS**

The ethical dimensions of public and professional life; the ethical rights and responsibilities of the individual citizen and the state within a liberal democracy; the ethical responsibilities of institutional and professional agencies and the roles and ethical responsibilities of individual citizens in such agencies.

**Courses:** HU20, IF36

**Credit Points:** 12

**Contact Hours:** 3 per week

**HUB752 THE JUST SOCIETY**

Justice and concepts such as equity in various ethical and political traditions are applied to recent policy debates about affirmative action, the criminal justice system, political practice, health and the environment.

**Courses:** HU20, IF36

**Credit Points:** 12

**Contact Hours:** 3 per week

**HUB753 ETHICAL DECISION-MAKING**

The ways in which various decision-making practices can be morally grounded; the practical value of such procedures for human transformation and emancipation; the ways in which decision-making practices either sustain or subvert moral communities.

**Courses:** HU20, IF36

**Credit Points:** 12

**Contact Hours:** 3 per week

**HUB754 FEMINISM & ETHICS**

The impact of the feminist movement on ethical and political theory; What does it mean to say the differences between men and women are natural or socially cultivated? What are the normative implications of these differences? What counts as equality between the sexes? Do women think differently about ethical situations than men?

**Courses:** HU20, IF36

**Credit Points:** 12

**Contact Hours:** 3 per week

**HUB755 VULNERABLE IDENTITIES**

Vulnerability and the experiences of persons who are vulnerable due to exploitation, abandonment, confusion or suffering and other unethical practices; ways of relating with the vulnerable; students develop a richer appreciation of others as well as themselves.

**Courses:** HU20, IF36

**Credit Points:** 12

**Contact Hours:** 3 per week

**HUB756 SEMINAR IN ETHICS AND PUBLIC PHILOSOPHY (ADVANCED SEMINAR)**

An advanced seminar in Applied Ethics normally taken by third and fourth year (Honours) students.

**Courses:** HU20, HU21, ED50

**Credit Points:** 12

**Contact Hours:** 3 per week

**HUB757 ETHICS, TECHNOLOGY AND THE ENVIRONMENT**

How decisions about new technologies and the environment are based not solely on factual evidence but also on ethical judgements; ethical aspects of issues such as genetic engineering, free-riding problems with 'caring for' the environment, human obligations toward non-human animals, whether wilderness areas have value independent of their value to humans, and whether a proper concern for the environment requires a new 'environment or ecological ethic'.

**Courses:** HU20, IF36

**Credit Points:** 12

**Contact Hours:** 3 per week

**HUB758 SEMINAR IN HEALTH CARE ETHICS**

An advanced seminar in Applied Ethics normally taken
by third and fourth year (Honours) students.
Course: HU20, HU21, NS40, NS48
Credit Points: 12  Contact Hours: 3 per week

- **HUB760 APPROACHES TO FEMINIST STUDIES**
Introduces a broad spectrum of issues related to feminist studies and to the major theoretical debates about gender in the disciplines including literature, history, psychology, philosophy, sociology, and ethics.
Course: HU20
Credit Points: 12  Contact Hours: 3 per week

- **HUB761 NINETEENTH CENTURY COMPARATIVE WOMEN’S WRITING**
An advanced seminar in Feminist Studies normally taken by third and fourth year (Honours) students.
Courses: HU20, HU21, ED50
Credit Points: 12  Contact Hours: 3 per week

- **HUB762 SEMINAR IN WOMEN’S HISTORICAL PERSPECTIVE**
An advanced seminar in Feminist Studies normally taken by third and fourth year (Honours) students.
Courses: HU20, HU21, ED50
Credit Points: 12  Contact Hours: 3 per week

- **HUB763 SEMINAR IN GENDER AND REPRESENTATION**
An advanced seminar in Feminist Studies normally taken by third and fourth year (Honours) students.
Courses: HU20, HU21, ED50
Credit Points: 12  Contact Hours: 3 per week

- **HUB772 INTRODUCTION TO POLITICS: POLITICAL IDEOLOGIES**
The political spectrum of the traditional Left-Right-Centre ideologies including Fascism; Conservatism; Liberalism; Socialism; Communism; Anarchism are discussed, along with cross-spectrum ideologies such as Feminism; Imperialism; Racism; Environmentalism. The course concludes with references to post-modernist politics and its implications for the traditional ideological spectrum.
Courses: HU20, IF36, ED50
Credit Points: 12  Contact Hours: 3 per week

- **HUB800 POLITICS & MARKETS**
Introduces major debates in political economy about mixed economy and balance between collective and individual provision; theories of production and consumption, modes of production and regulation, studies of public intervention.
Course: HU20
Credit Points: 12  Contact Hours: 3 per week

- **HUB801 POLITICS & CONSUMPTION**
Forms and patterns of consumption of market and social goods, income distribution and measures of quality and level of living; concepts of social wage, theories of public revenue and organisation of public services.
Course: HU20
Credit Points: 12  Contact Hours: 3 per week

- **HUB802 POLITICS & PRODUCTION**
Political economy of production; form of economic calculation and theories of value, profit and interest; ownership and control of production in market and non-market situations.
Course: HU20
Credit Points: 12  Contact Hours: 3 per week

- **HUB803 PATTERNS OF REGULATION**
Examination of regulatory strategies; political economy of economic and social compromises in advanced countries; strategies of regulation in domestic economies; case studies of media, public health, urban development and transport.
Course: HU20
Credit Points: 12  Contact Hours: 3 per week

- **HUB900 RESEARCH, CONTEXTS AND ISSUES**
An advanced introduction to research activity and scholarly discourse as practiced in a wide range of disciplines relevant to study in the humanities including the nature of humanities research; research methodologies and philosophies; issues and theoretical debates; community links; public policy dimensions of social inquiry and humane studies; salient contemporary concerns relating to equity, cultural diversity and gender.
Course: HU21  Prerequisite: HU20 or equivalent
Credit Points: 12  Contact Hours: 3 per week

- **HUB901 LITERATURE REVIEW**
A supervised program in the Honours student’s chosen area of specialisation. An assessed critical paper on literature relevant to the Honours dissertation topic will be prepared.
Course: HU21  Prerequisite: HU20 or equivalent
Credit Points: 12

- **HUB902 HONOURS DISSERTATION I**
Supervised design and initial development of Honours dissertation leading to completion of a thesis outline, including synopses and projected chapters, and a statement of objectives, methods and sources.
Course: HU21  Prerequisite: HU20 or equivalent
Credit Points: 12

- **HUB903 HONOURS DISSERTATION II**
Supervised research and writing of the Honours dissertation normally between 12,000 and 15,000 words. 
Course: HU21  Prerequisite: HU20 or equivalent, HUB901 and HUB902
Credit Points: 36

- **HUB904 HONOURS SEMINAR**
Weekly discussion and presentations relating to research and writing of the Honours dissertation.
Course: HU21  Prerequisite: HU20 or equivalent and HUB900
Credit Points: 12

- **HUB905 INTERNSHIP**
Supervised experience in a working environment related to an Honours student’s field of research and culminating in a written report and/or project.
Course: HU21  Prerequisite: HU21 or equivalent
Credit Points: 12

- **HUB906 OVERSEAS STUDY**
An approved course of study for language students in an overseas tertiary institution offering instruction in the target language. Students undertaking this unit will be required to take HUB901 and HUB902 in distance mode, but will not do HUB900.
Course: HU21  Prerequisite: HU21 or equivalent
Credit Points: 24

- **HUB952 INTERNSHIP PROGRAM II**
This is an opportunity for students to be placed in an appropriate off-campus situation in work related to their studies. This unit may be taken over one semester or extended to cover two. Able to be taken either in semester I or 2.
Credit Points: 24

- **HUB953 INTERNSHIP PROGRAM III**
This is an opportunity for students to be placed in an appropriate off-campus situation in work related to their studies. Able to be taken in either semester 1 or 2.
Credit Points: 12

- **HUP001 ETHICS & HUMAN RELATIONSHIPS**
Philosophical approaches to human relationships; moral
philosophy and education; development of an integrated and clearly articulated agreement for a philosophy of human relationship education.

Courses: ED22, ED30, ED67
Credit Points: 12 Contact Hours: 3 per week

- **HUP002 PUBLIC SECTOR ETHICS**
  Exploration of conceptual and theoretical issues; practical dilemmas and strategies for institutionalising ethics in the public sector.

Course: BS33
Credit Points: 12 Contact Hours: 3 per week

- **HUP003 ETHICS: THEORY & PRACTICE**
  The theory and practice of moral decision-making; current ethical issues.

Course: BS30
Credit Points: 12 Contact Hours: 3 per week

- **HUP004 HEALTH CARE ETHICS & BIOETHICS**
  Bioethics in the social context; the process of moral decision-making; ethics and professional nursing practice.

Course: BS30
Credit Points: 12 Contact Hours: 3 per week

- **IFB580 PROJECT**
  Students undertake a project requiring research, investigation or design of some topic or problem of interest to the profession.

Courses: IF24, IF25
Prerequisites: Successful completion of units totalling not less than 120 hours of weekly contact time.
Credit Points: 24 Contact Hours: 2 per week

- **IFN001 ADVANCED INFORMATION RETRIEVAL SKILLS**
  This unit provides postgraduate research students with the skills to implement a thorough literature search in their research area and to set up a personal system for managing the references collected. The seven modules which form this unit include: using the QUT libraries; indexing and abstract services; electronic information retrieval; developing a current awareness strategy; thesis writing; personal file management; evaluating information.

Courses: BN73, BN78, PS69, SC60, SC80
Credit Points: 4 Contact Hours: 2 per week

- **IFN100 FULL-TIME MASTERS' RESEARCH (JUSTICE STUDIES)**
  This unit provides full-time postgraduate research students with study in a relevant area leading to the development of a thesis of not less than 50 000 words. Relevant areas include criminology, law enforcement, intelligence and security, corrections and legal and justice policy.

Course: JS52
Credit Points: 96

- **IFN201 PART-TIME MASTERS' RESEARCH (JUSTICE STUDIES) (EXTENSION)**
  This unit provides full-time postgraduate research students with study in a relevant area leading to the development of a thesis of not less than 50 000 words. Relevant areas include criminology, law enforcement, intelligence and security, corrections and legal and justice policy.

Course: JS52
Credit Points: 96

- **IFP222 PROJECT**
  This unit provides students with the opportunity to gain insight and improve their understanding of quality management practices through the study of workplace quality-related problems. Students are given assistance to develop their capacity to apply ideas and knowledge gained during the course and to improve their communication and writing skills in furnishing a detailed project report.

Course: IF69 Prerequisites: HRB131 or HRN105
Credit Points: 12 Contact Hours: 3 per week

- **ITB001 COMPUTING PRACTICE (NOTE) 1**
  Linked with unit ITB002.

- **ITB002 COMPUTING PRACTICE (NOTE) 2**
  These units are designed to coordinate the practical aspects of the lecture material presented so that students both develop essential practical skills and benefit from cross-fertilisation of the individual units.

Course: BN10
Credit Points: 6 Contact Hours: 3 per week

- **ITB101 LABORATORY 1 (COMPUTING ENVIRONMENTS)**
  Professionals in information technology must have an ability to work in a variety of computing environments and to utilise general application packages. This unit provides students with practical experience in a range of computing environments from personal computers to mainframes. Students are encouraged to learn to work independently, adhere to appropriate standards, make use of relevant documentation and document their work in the form of structured technical reports. Students learn to connect to services directly and via networks, to use the basic functions of typical operating systems including file and directory manipulation, customisation of environments and the principles of backing-up and recovery. Students use the basic functions of existing databases, wordprocessors and spreadsheets.

Courses: IF33, IF38, IF54, IT20
Credit Points: 12 Contact Hours: 3 per week

- **ITB102 LABORATORY 2 (COMPUTER APPLICATIONS)**
  Professionals in information technology must have an ability to design and implement computer solutions for various applications using a variety of computing languages, systems and environments. Students are provided with a practical experience in the design, implementation and testing of software systems. Emphasis is on design documentation, user documentation, programming style, test documentation, the use of diagnostic aids, software monitors, analysis of results and test coverage, and the oral and written presentation of results.

Courses: IF25, IF33, IF38, IF54, IT20
Prerequisites: ITB101, ITB210, ITB410
Credit Points: 12 Contact Hours: 3 per week

- **ITB310 FORMAL REPRESENTATION**
  This unit provides a foundation with regard to the specification and implementation of information systems. As such, it gives an introduction to topics built on subsequent units, notably those in database and system analysis and design. Topics covered include models; facts;
sets; relations; relational calculus; SQL; defining the database; referential integrity; knowledge; schemata; state transitions.

Courses: IF25, IF33, IF38, IF54, IT20
Credit Points: 12
Incompatible with: ITN210

■ ITB220 DATABASE DESIGN
Covers the conceptual design of a database and its implementation in either relational, network or hierarchical logical file design; network and hierarchical database systems in detail; additional relational system techniques.

Courses: IF33, IF38, IF54, IT20, IT40
Prerequisite: ITB210
Credit Points: 12

■ ITB221 LABORATORY 3 (COMMERCIAL PROGRAMMING)
Extends student skills in program design and implementation by applying them to typical commercial problems through a widely used third generation language. The task-oriented approach supplies a vehicle for reinforcing students' knowledge of elementary design and planning theory.

Courses: BS50, IF33, IF38, IT20
Prerequisites: ITB210 and ITB410
Credit Points: 12

■ ITB222 SYSTEMS ANALYSIS & DESIGN 1
Develops basic systems development skills by teaching a methodology and techniques of systems analysis and design and gives an introduction to all phases of the classical systems development life cycle. The aim is to give students a balanced overview of the process of analysing and designing information systems, while ensuring that they develop the necessary skills to apply the major techniques to simple problems. Emphasis is placed on the practical application of techniques to real-world problems.

Courses: BS50, IF33, IF38, IT20
Prerequisites: BSBI18, ITB210
Credit Points: 12

■ ITB223 LABORATORY 4 (4GL PROGRAMMING)
Introduction to the role of application generators and Fourth Generation Language technology in developing information systems. As well as using these tools to create programs from detailed specifications, students develop standards for comparing the applicability of one environment to another.

Courses: IF33, IF38, IT20
Prerequisites: ITB220
Credit Points: 12

■ ITB224 SYSTEMS ANALYSIS & DESIGN 2
Expands upon the systems analysis and design techniques introduced in ITB222. Also, alternative approaches practised in industry and other topics of importance are introduced. The aim is to provide students who have already taken an overview of the unit with an in-depth knowledge of key areas of systems analysis and design. Emphasis is placed on the practical application of techniques to problems.

Courses: IF33, IT20
Prerequisites: ITB222
Credit Points: 12

■ ITB230 PROJECT
The ability to apply knowledge and skills to real-life situations is essential for information systems professionals. A six-month project, under academic supervision, is considered useful in developing students' ability to apply their knowledge and skills.

Courses: IF33, IF38, IT20
Prerequisite: Successful completion of at least 72 credit points from the Information Systems major or in IF33
Credit Points: 12

■ ITB231 APPLICATIONS DEVELOPMENT
Synthesises techniques and theory learned in earlier units by providing an opportunity for students to integrate these skills through team-based development of a major online system processing database. Requires students to re-examine major design, programming and planning issues within the context of a 4GL software environment.

Course: IT20
Prerequisites: ITB223, ITB224
Credit Points: 12

■ ITB232 DATABASE MANAGEMENT
Examination of the functions of database management systems; query optimisation; concurrency control; transaction processing; crash recovery; security and integrity; the fundamentals of physical file organisation.

Courses: IF33, IT20, IT40
Prerequisites: ITB233 or ITB421
Credit Points: 12

■ ITB233 FILE STRUCTURES
Examination of file structures and their processing; the various forms of persistent storage (conventional disks, tapes and CDs); different approaches to file indexing; tree structured storage; the cost of accessing these structures is estimated.

Courses: IF38, IT20, IT40
Prerequisites: ITB220, ITB221
Credit Points: 12

■ ITB235 MULTIMEDIA SYSTEMS TECHNOLOGIES
Image, sound and video now make up a new dimension in computer stored databases. The technical problems of dealing with these new media in a digital way pose a challenge to information technologists. This unit introduces interactive multimedia system technologies and provides students with the basic knowledge required to contend with existing and future technical problems. Students integrate this knowledge in creating an interactive multimedia system.

Course: IT20
Credit Points: 12

■ ITB236 OBJECT-ORIENTATED ANALYSIS & DESIGN
The goal is to develop basic skills in methodologies and techniques of object-orientated analysis and design. Covers all phases of the object-orientated software development life cycle.

Course: IT20
Prerequisite: ITB422
Credit Points: 12
Incompatible with: ITB448 and ITN221

■ ITB240 PROJECT
The ability to apply knowledge and skills to real-life situations is essential for information systems professionals. A six-month project, under academic supervision, is considered useful in developing students' ability to apply their knowledge and skills.

Course: IT20
Prerequisites: Completion of at least 72 credit points from the Information Systems major
Credit Points: 12

■ ITB241 INFORMATION SYSTEMS MANAGEMENT
Information systems practitioners have responsibility for the acquisition of computer hardware and software and for its effective and efficient use. Many practitioners also have responsibility for managing other information systems personnel. The knowledge and skills relevant to these planning, organising and staffing responsibilities are covered.
Prerequisites: Completion of at least 60 credit points from the Information Systems major
Credit Points: 12  Contact Hours: 3 per week

■ ITB242 DECISION SUPPORT SYSTEMS
There is increasing pressure for computer use to be closely aligned to organisational goals. Associated with this is an increasing emphasis on the computer assisting directly in the decision-making process. This unit addresses issues relating to these factors.
Courses: BS50, IT20  Prerequisite: ITB222
Credit Points: 12  Contact Hours: 3 per week

■ ITB243 KNOWLEDGE-BASED SYSTEMS
Examination of the requirements for and development of knowledge-based systems in modern mainstream computing; provides an understanding of the techniques used in capturing and automating knowledge; and gives practical experience in designing, implementing and maintaining knowledge-based systems using a variety of software tools.
Course: IT20  Prerequisite: ITB222  Incompatible with: ITB449
Credit Points: 12  Contact Hours: 3 per week

■ ITB244 SPECIAL TOPIC 1
This unit is linked with unit ITB245.
Credit Points: 12  Contact Hours: 3 per week

■ ITB245 SPECIAL TOPIC 2
This unit is linked with unit ITB244. These units are designed to allow for the significant development of, or emphasis in, business computing not dealt with in other course units. Selected topics and study areas are offered as required and when the necessary expertise is available. See School of Information Systems announcements for details of topics being offered.
Course: IT20
Prerequisite: See School announcements
Credit Points: 12  Contact Hours: 3 per week

■ ITB246 UNIX & C
Introduction to the Unix operating system environment and to the C programming language. It covers the basics of both, and advanced topics relevant to software development under Unix and C. Emphasis is placed on the production of high quality software and documentation.
Course: IT20  Prerequisite: ITB101, ITB411
Credit Points: 12  Contact Hours: 3 per week  Incompatible with: ITB422 and ITB448

■ ITB247 PROJECT
This unit provides for students to undertake a two-semester project. The work in one semester can be followed up in the second, or students can extend their practical skills through the second semester project.
Course: IT20
Prerequisite: Completion of at least 60 credit points from the Information Systems major
Credit Points: 24

■ ITB249 THEORETICAL FOUNDATIONS OF DATABASE SYSTEMS
Covers the theoretical foundations for the design, analysis and the unprocedural languages used in modern database systems; set theory; abstract algebra and theory of algorithms.
Course: IT20  Prerequisite: ITB220
Credit Points: 12  Contact Hours: 3 per week

■ ITB310 INFORMATION MANAGEMENT 1
The concept of information management has emerged from a number of disciplines which have become more associated as a result of the development of information technologies. This unit reviews this development, and introduces the principles of information management as they are presently defined. It therefore identifies the basic processes involved in handling information in the context of an information life cycle, and introduces the concept of managing information as an organisational resource.
Courses: IF33, IF38, IF54, IT20
Credit Points: 12  Contact Hours: 3 per week

■ ITB320 LABORATORY 3 (DATABASE APPLICATIONS)
Graduates from the course are expected to have skills in the creation, maintenance and utilisation of databases of various types. This unit gives them practical exposure to the tasks involved using higher level applications programming environments.
Courses: IF52, IF54, IT20  Prerequisite: ITB102
Corequisite: ITB220
Credit Points: 12  Contact Hours: 3 per week  Incompatible with: ITB242 and ITN211

■ ITB322 INFORMATION RESOURCES
Examination of the ability to obtain accurate, up-to-date, business information on an ongoing basis which is today accepted as an important component of competitive success. A variety of computer and documentary sources are investigated, and information retrieval techniques are learnt.
Course: IT20  Prerequisite: ITB310
Credit Points: 12  Contact Hours: 3 per week

■ ITB323 LABORATORY 4 (INFORMATION SUPPORT METHODS)
Provides students with practical exposure to a range of methods that are used to support information management implementations, including data dictionary and repository maintenance, thesaurus construction and maintenance, and interface development for Internet tools.
Courses: IF52, IF54, IT20  Prerequisite: ITB320
Corequisite: ITB520
Credit Points: 12  Contact Hours: 3 per week

■ ITB330 INFORMATION ISSUES & VALUES
Concepts of information and the associated technology create fundamental issues for society, particularly in the legal, political and social arenas. Exploration of the development of such concepts in order to create an awareness of both the indirect and direct impacts of information and the associated technology. Such an awareness is crucial in the effective direction of management of information.
Courses: IF52, IF54, IT20  Prerequisite: ITB322
Credit Points: 12  Contact Hours: 3 per week

■ ITB331 INFORMATION MANAGEMENT 2
Covers auditing information resources in an organisation; relates information provision to the information needs of end users, as well as to the strategic objectives of organisations.
Courses: IF52, IF54, IT20  Prerequisite: ITB310
Credit Points: 12  Contact Hours: 3 per week

■ ITB340 PROJECT
The ability to apply knowledge and skills to real-life situ-
ations is essential for information management professionals. A one-semester project, under academic supervision, is considered useful in developing students' ability to apply their skills.

Course: IT20
Prerequisites: Completion of at least 72 credit points from the Information Management major
Credit Points: 12

■ ITB341 INFORMATION MANAGEMENT 3
Pulls together many of the themes previously identified in the course of the Information Management major, with particular reference to information as a commodity and its use in strategic planning and enterprise information modelling. Functions and practices of management that relate to provision of information services, and utilisation of technology to support them.
Courses: IF52, IF54, IT20
Prerequisites: ITB331
Credit Points: 12
Contact Hours: 3 per week

■ ITB342 SPECIAL TOPIC (INFORMATION MANAGEMENT)
Covers aspects of information management of specific interest at that time. Makes allowances for significant developments or emphasis in information management not included in the remainder of the course program.
Course: IT20
Prerequisites: Topic dependent
Credit Points: 12
Contact Hours: 3 per week

■ ITB348 PROJECT
Allows students to undertake a large project in one semester.
Course: IT20
Credit Points: 24

■ ITB350 PROJECT-H
The ability to apply knowledge and skills to real-life situations is essential for people planning to work as information management professionals. A one-semester project, under academic supervision, is considered useful in developing students' ability to apply their knowledge and skills. As this unit is for students intending to proceed to the Honours course, this project must include an evaluative component.
Course: IT20
Prerequisites: Completion of at least 72 credit points from the Information Management major and two Pre-Honours units
Credit Points: 12

■ ITB351 INFORMATION MANAGEMENT 3H (STRATEGY & PLANNING)
Pulls together many of the themes previously identified in the course of the Information Management major, with particular reference to information as a commodity and its use in strategic planning and enterprise information modelling. Functions and practices of management that relate to provision of information services, and utilisation of technology to support them, are dealt with. In order to prepare students who are intending to proceed to an Honours program, this unit addresses performance analysis and evaluation work in more depth than the standard version of the course.
Course: IT20
Prerequisite: ITB331
Credit Points: 12
Contact Hours: 3 per week

■ ITB352 LABORATORY 4H (INFORMATION SUPPLY METHODS & EVALUATION)
Provides practical exposure to a range of techniques that are used to support information management implementations including data dictionary and repository maintenance, thesaurus construction and maintenance and interface development for Internet tools. In order to prepare students who are intending to proceed to an Honours program, a greater amount of evaluative work is introduced in the exercises and assessment undertaken.
Course: IT20
Credit Points: 12

■ ITB411 SOFTWARE DEVELOPMENT 2
Quality software development increasingly requires design of algorithms using modules, and algorithms and data-structures for building modules. Provides the foundation knowledge for the external and internal perspective of software modules in a system context. Provides students with an understanding of modules in the context of programmable systems. The external view and internal view of modules and their realisation in a modular programming language are covered. Abstract data types, specification of interfaces and methods for achieving program correctness provide the theoretical basis. Standard data structure modules are examined.
Courses: IF25, IF33, IF38, IF54, IT20
Prerequisite: ITB410
Credit Points: 12
Contact Hours: 3 per week

■ ITB412 TECHNOLOGY OF INFORMATION SYSTEMS
Computer hardware and system software together provide the context within which computer applications operate. Topics include: the von Neuman model; instruction execution; registers and addressing modes; program and data representation; assembly language programming; i/o, interrupts and DMA; introduction to boolean algebra and computer hardware; FSMs; hard-wired versus microprogrammed control; i/o and secondary storage devices; advanced computer architectures; networking.
Courses: IF25, IF33, IF38, IF54, IT20
Prerequisite: ITB412
Credit Points: 12
Contact Hours: 3 per week

■ ITB413 DATA STRUCTURES & ALGORITHMS
Quality software development requires the design and implementation of efficient data structures with their associated algorithms. Builds upon the concepts of encapsulation and abstraction which were introduced in ITB411 by examining a number of implementations of the Table abstraction and evaluates the efficiency of each implementation.
Prerequisites: IF25, IT20
Credit Points: 12
Contact Hours: 3 per week

■ ITB414 LABORATORY 3 (ADTS IN A UNIX ENVIRONMENT)
Extends students' knowledge of the Unix environment and introduces the language C, with an emphasis on the implementation of ADTs in that language. Students obtain extensive experience with this important practical language, including documentation and report writing. Topics covered include the Unix environment, the shell and shell programming; the language C; implementation of a variety of data structures in C; generic ADTs; programming styles, documentation and standards.
Courses: IF25, IT20
Prerequisite: ITB411
Credit Points: 12
Contact Hours: 3 per week

■ ITB415 LABORATORY 4 (SOFTWARE DEVELOPMENT)
Consolidates the software engineering principles studied in earlier units as well as augmenting the material in
ITB424. Provides students with an opportunity to work in small groups on a major project which requires them to take a problem from statement to a well-documented and researched solution.

Courses: IF25, IT20  Prerequisites: ITB422, ITB424  Credit Points: 12  Contact Hours: 3 per week

• ITB424 SOFTWARE ENGINEERING PRINCIPLES

Examination of the problems of developing and maintaining reliable large-scale software product and the techniques needed to overcome them, as students need to appreciate the seriousness of the problem, and the value of a disciplined approach to the solution. Students are made aware of the variety of tools and methodologies to support software development.

Courses: IF25, IT20  Prerequisite: ITB421  Credit Points: 12  Contact Hours: 3 per week

• ITB430 CONCURRENT SYSTEMS

Examination of the process structure of concurrent systems and the symbiosis of hardware and system software required to support such systems. Topics include: concurrency, processes and process synchronisation; interrupt handling; resource management, deadlock; real-time and concurrent programming in Modula-2 and process kernels; specification of concurrent systems; realisation of process and resource management principles in contemporary operating systems; multiprocessor and distributed systems with special reference to multiprocessor UNIX systems.

Courses: IF25, IT20  Prerequisite: ITB421  Credit Points: 12  Contact Hours: 3 per week

• ITB431 PROGRAMMING LANGUAGE PARADIGMS

Introduction to non-procedural language paradigms; viz functional, logic and object-oriented programming techniques. Each is studied in the context of a well-known computer language with its computational environment. A major component of this unit is laboratory based. For each paradigm, substantial program development is included.

Courses: IF25, IT20  Prerequisite: ITB421  Credit Points: 12  Contact Hours: 3 per week

• ITB440 LANGUAGES & LANGUAGE PROCESSING

Syntax-directed programs permeate computing - examples are editors, formatters, command interpreters and compilers. In order to rapidly and reliably create such tools, it is necessary to understand the underlying theory of language definition, recognising automata and grammar classifications, as well as the practical realisation of recognisers in stylised, reusable code.

Courses: IF25, IT20  Prerequisite: ITB421  Credit Points: 12  Contact Hours: 3 per week

• ITB441 GRAPHICS

Examines the nature of computer graphics hardware and software and the design and implementation of computer graphics software so as to enable students to implement graphics systems in their application areas. Topics include: graphics hardware; graphics Kernel System and Piles; fundamental algorithms for 2-D graphics; 3-D transformations; curve and surface modelling; colour models; hidden surface removal.

Courses: IF23, IF52, IT20  Prerequisite: ITB422  Credit Points: 12  Contact Hours: 3 per week

• ITB442 FOUNDATIONS OF ARTIFICIAL INTELLIGENCE

As artificial intelligence is coming out of the laboratory into the marketplace, it is important that students are exposed to the major ideas of artificial intelligence and in particular to the role of knowledge engineering in the design of practical knowledge-based systems. This unit provides a broad and comprehensive introduction to the field of artificial intelligence.

Courses: ED50, IF23, IT20  Prerequisite: ITB431  Credit Points: 12  Contact Hours: 3 per week

• ITB443 SYSTEMS PROGRAMMING

Concurrent programming is the basis for operation system implementations, much systems programming and parallel application programming. It is a central idea in advanced computer science and an important concept in multiprocessor computers and parallel computer hardware. This unit builds upon previous introduction to concurrent systems. Introduces systems programming in an operating system that supports processes and inter-process communications. Topics covered include a review of UNIX operating system commands; process and file management; UNIX administration, security, shell programming; the C/UNIX interface; remote procedure calls.

Courses: IF23, IT20  Prerequisite: ITB422  Credit Points: 12  Contact Hours: 3 per week

• ITB444 SPECIAL STUDIES 1

Aspects of current scientific interest; making allowances for significant developments in computing science not provided for in the remainder of the course program. Details of topics are published before the start of each semester.

Courses: IF23, IT20  Credit Points: 12  Contact Hours: 3 per week

• ITB445 SPECIAL STUDIES 2

Aspects of current scientific interest; making allowances for significant developments in computing science not provided for in the remainder of the course program. Details of topics are published before the start of each semester.

Courses: IF23, IT20  Credit Points: 12  Contact Hours: 3 per week

• ITB446 PROJECT

Analysis, design and programming skills, and the underlying theory, are presented in various units; practice in those units naturally emphasises their particular specialisation. A project unit brings many of those skills together in a practical exercise of greater size and complexity, emphasising their complementary nature and the need for careful management. Students, either individually or in small groups, undertake a significant project, relevant to the needs of industry, government or a research area, carried out under the supervision of a staff member whose interests lie in the field of the project. Before work commences on the project, student(s) and supervisor must agree on the topic of the project and the scope of the work to be attempted. The role of the supervisor is to provide broad guidance on the methods and techniques to be used but progress depends largely on student initiative and problem-solving ability.

Course: IT20  Prerequisites: Completion of at least 72 credit points from the Computing Science major  Credit Points: 12

• ITB447 PROJECT

Analysis, design and programming skills, and the underlying theory, are presented in various units; practice in those units naturally emphasises their particular specialisation. A project unit brings many of those skills together in a practical exercise of greater size and complexity, emphasising their complementary nature and the need for careful management. Students, either individually or in small groups, undertake a significant project, relevant to the needs of industry, government or a re-
search area, carried out under the supervision of a staff member whose interests lie in the field of the project. Before work commences on the project, student(s) and supervisor must agree on the topic of the project and the scope of the work to be attempted. The role of the supervisor is to provide broad guidance on the methods and techniques to be used but progress depends largely on student initiative and problem-solving ability.

Course: IT20
Prerequisites: Completion of at least 72 credit points from the Computing Science major
Credit Points: 12

- **ITB448 OBJECT TECHNOLOGY**
  Examination of methods and techniques of object-oriented design and implementation based on careful assessment of the underlying software engineering issues. The design of effective module interfaces is emphasised to achieve the full benefit of the object-oriented approach. Practical work focuses on building reusable components and constructing object-oriented systems by combining existing and custom-made components. In Semester 2, 1996, this unit may be run as a series of intensive short courses on some Saturdays during the semester. Contact the Unit Coordinator for details.

Course: IT20
Prerequisite: ITB422
Corequisite: ITB449
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ITB236 and ITB221

- **ITB449 EXPERT SYSTEMS**
  Formal mathematical logic is the main theme of this unit. Some fundamental theories in the formal representation of domain knowledge are introduced. The introductory topics include: propositional and predicate logic, resolution, temporal logic, fuzzy logic and connectionist knowledge representation themes. This unit is designed to establish a strong theoretical foundation for students who will work in knowledge and engineering.

Courses: IF23, IT20
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ITB243

- **ITB450 ADVANCED COMPUTER ARCHITECTURE**
  A continuation of the material introduced in the units ITB412 and ITB420. Intended to provide students with an understanding of the organisation of contemporary computer systems and the variety of different structures which may be used for specific tasks. Topics covered include the physical basis of the constraints of processor speed; high performance 'von Neumann' architectures; pipelined processors, vector processors and supercomputers; machines for protected multitasking; conceptual models for parallel computation.

Courses: IF25, IF33, IT20
Prerequisite: ITB420
Credit Points: 12
Contact Hours: 3 per week

- **ITB451 PROJECT**
  Enables students to undertake a two-semester project. The work in one semester can be followed up in the second, or students can extend their practical skills through the second semester project. See ITB446/7 for a general description of project units.

Course: IT20
Prerequisites: Completion of at least 60 credit points from the Computing Science major
Credit Points: 24

- **ITB452 PROJECT WORK**
  This unit is for students intending to proceed to the Honours course following the Bachelor of Information Technology. The project has a significant research component in addition to the practical development of a system of greater size and complexity than previously undertaken by a student. See ITB446/7 for a general description of project units.

Course: IT20
Prerequisites: Completion of at least 72 credit points from the Computing Science major and ITB440
Credit Points: 24

- **ITB453 PROJECT**
  This unit allows students to undertake a large project in one semester. See ITB446/7 for a general description of project units.

Course: IT20
Prerequisite: Completion of at least 60 credit points from the Computing Science major
Credit Points: 24

- **ITB454 SOFTWARE QUALITY ASSURANCE**
  Software quality assurance is concerned with ensuring that software products are of high quality, and that the software development process supports the production of high quality software. In this unit it is presented as an integral part of software development, affecting all stages of the life cycle of a software product. Practical work focuses on the techniques and tools for defining, measuring and achieving high quality software products; and for helping to increase overall productivity.

Course: IT20
Prerequisite: ITB424
Credit Points: 12
Contact Hours: 3 per week

- **ITB455 INTEGRATED SOFTWARE ENGINEERING ENVIRONMENT**
  Provides a thorough understanding of the rationale for the use of software tools in the software engineering process. The information stored in various software engineering constructs and the software tools used to aid their construction are examined. The interrelationship between the information generated in the software engineering process will also be examined. In the light of this examination, the relationship between the various software tools can be defined. Existing software tools and methodologies will also be examined and evaluated. Implementation issues for a fully integrated software engineering environment are examined by inspecting the implementation of one or more software engineering tools.

Course: IT20
Prerequisites: ITB222 and ITB424
Credit Points: 12
Contact Hours: 3 per week

- **ITB456 INTELLIGENT GRAPHIC USER INTERFACES**
  Introduction to the design and construction of GUIs. Conventional User Interfaces (GUIs) and graphical techniques are discussed as the basis for the development of GUIs. Although a computing science perspective is employed in the approach to the topics treated in this unit, influences from other disciplines are discussed.

Course: IT20
Prerequisite: ITB424
Credit Points: 12
Contact Hours: 3 per week

- **ITB457 FUNCTIONAL PROGRAMMING**
  Introduction to an alternative programming language and method of programming. An emphasis is placed on two important new techniques for building programs: higher order functions and lazy evaluation. Application areas include: AI, symbolic processing, rapid prototyping and reusable software design.

Course: IT20
Prerequisite: ITB421
Credit Points: 12
Contact Hours: 3 per week

- **ITB461 FOUNDATIONS OF NEUROCOMPUTING**
  Presents the neurocomputing paradigm and explains the biological concepts on which it is based. Focus on how neurocomputing complements the tools of the comput-
strengths and limitations of the most used neural network architectures and training methods; reviews neural network hardware.

Course: IT20
Credit Points: 12
Contact Hours: 3 per week

- ITB462 COGNITIVE SYSTEMS
  Expert systems, natural language processing (with the exception of speech recognition), reasoning, high-level visual perception and learning. Symbolic as well as neurocomputing methods, and hybrid systems, and is open to extensions.
  Course: IT20  Prerequisites: ITB442, ITB461
  Credit Points: 12
  Contact Hours: 3 per week

- ITB463 PATTERN RECOGNITION
  Focus on pattern recognition problems using the three main approaches: statistical, syntactical and neurocomputing. It demonstrates two applications of pattern recognition: speech recognition and image analysis and description.
  Course: IT20  Prerequisites: ITB442, ITB461
  Credit Points: 12
  Contact Hours: 3 per week

- ITB520 DATA COMMUNICATIONS
  An introductory treatment of the major topics and issues in data communications including the terminology and concepts of data and telecommunications networks, the services and architectures; the facilities and functions of the data and telecommunications products and services used in national and international communications networks; the main issues in the design, management, security and control of data and telecommunications networks and services; and the social, political, and economic effects of telecommunications technologies.
  Courses: BS50, IF38, IF54, IT20
  Credit Points: 12
  Contact Hours: 3 per week
  Incompatible with: ITN510

- ITB521 LABORATORY 3 (COMPUTER NETWORKS)
  Provides a practical study of the current network protocols in use today. Topics include the installation, configuration, management, performance and security of communication products and services. Students gain a theoretical understanding of the transport protocols for internetworking via repeaters, bridges, routers, and gateways; and also an understanding of the application services and protocols provided by different LANs.
  Course: IT20  Prerequisite: ITB411
  Corequisite: ITB522
  Credit Points: 12
  Contact Hours: 3 per week
  Incompatible with: ITN520

- ITB522 ADVANCED DATA COMMUNICATIONS
  Topics covered include data link protocols, transport layer services, upper layer services; data communications network design and management (techniques and case studies); performance modelling of communications networks; evaluation of data communications products and services (mostly Australian-based); data communications software design and implementation; provision of integrated communications services (voice, data, video, etc.); LAN/WAN integration; high speed networking; internetworking and network management.
  Course: IT20  Prerequisites: ITB520, ITB410
  Credit Points: 12
  Contact Hours: 3 per week

- ITB530 TRANSPORT PROTOCOLS
  Students study the principles, protocols, and architectures of internetworking. Topics include: routing strategies used by bridges and gateways; security and management of routing data over global networks; network interface design; and error and flow control.
  Course: IT20
  Prerequisites: MAB178 and either ITB520 or ITN520
  Credit Points: 12
  Contact Hours: 3 per week

- ITB531 APPLICATION SERVICES
  A study of the protocols provided by the process layers of the Open Systems Interconnection (OSI) Reference Model and the application services provided in the process layer, in particular message handling, directory services, file transfer access and management, network management, and distributed processing. Other topics include abstract syntax notation; profiles for government, office and manufacturing; and security issues.
  Course: IT20  Prerequisite: ITB521
  Credit Points: 12
  Contact Hours: 3 per week
  Incompatible with: ITN521

- ITB532 LABORATORY 4 (NETWORK MANAGEMENT)
  Network management forms a vital part of the overall control and operation of computer networks and interconnection of these networks on a local, national or worldwide basis. Topics include: principles of computer network management and control; practical experience in the configuration of network management software systems and in the interpretation of management information provided by these sub-systems; factors needed in assessment of the control, management, performance, availability and security of data networks.
  Courses: IT20, IT40  Prerequisite: ITB542
  Corequisite: ITB531
  Credit Points: 12
  Contact Hours: 3 per week

- ITB533 COMPARATIVE NETWORK SYSTEMS
  Various operating systems and the techniques used to perform interprocess communication. The client/server model is examined, address schemes, ports, sockets, remote procedure calls are programmed in the C language on UNIX, DOS and OS/2 systems.
  Course: IT20, IT40  Prerequisite: ITB542
  Credit Points: 12
  Contact Hours: 3 per week

- ITB534 TELECOMMUNICATION MODELLING
  The growing complexity of communication networks and services in the world today requires a detailed knowledge of how they perform and how they should be designed and managed in a cost effective way. This unit lays the foundations for a proper understanding of the factors involved. Covers the basic concepts and models used in teletraffic theory as they are applied to current telecommunication networks. Studies the mathematical techniques for achieving efficient, cost-effective communication networks.
  Course: IT20  Prerequisite: MAB178
  Credit Points: 12
  Contact Hours: 3 per week

- ITB541 TRANSMISSION TECHNIQUES
  An examination of high speed networks, satellite communications, fibre optics and wireless LANs; performance and optimisation of network links and the interconnection of telecommunications equipment based on the international standards: ISDN, B-ISDN, ATM.
  Course: IT20  Prerequisite: ITB520, MAB177
  Credit Points: 12
  Contact Hours: 3 per week

- ITB542 NETWORK PROGRAMMING
  Students require a detailed understanding of the processes involved in the design, development, programming and management of communications software. The interprocess communication on various systems and the necessary practical skills to utilise the concepts of net-
work programming enable them to set up network facilities, develop and modify network code, and ethics of network programming. Topics include: streams, sockets, remote procedure calls.

Courses: IT20, IT40
Prerequisite: ITB422 or ITN410
Corequisite: ITB522
Credit Points: 12 Contact Hours: 3 per week

- **ITB543 DATA SECURITY**
  Information security within an organisation deals with the managerial and technical aspects involved in protecting the information. At the completion of this unit, students are able to demonstrate knowledge of the factors which impact upon the availability, integration and confidentiality of data; make a realistic assessment of the needs for data security in an organisation; discuss the implications of security decisions on the organisation's information systems.

  Courses: IT20, IT40
Prerequisite: ITB520 or ITN510
Credit Points: 12 Contact Hours: 3 per week

- **ITB544 PROJECT**
  Students, either individually or in small groups, undertake a significant project, relevant to the needs of industry, government or a research area, carried out under the supervision of a staff member whose interests lie in the field of the project. Before work commences on the project, student(s) and supervisor must agree on the topic of the project and the scope of the work to be attempted.

  Course: IT20
Prerequisite: Completion of at least 72 credit points from the Data Communications major
Credit Points: 12

- **ITB545 PROJECT**
  Students undertake a two-semester project. The work in one semester can be followed up in the second, or students can extend their practical skills through the second semester project.

  Course: IT20
Prerequisite: Completion of at least 60 credit points from the Data Communications major
Credit Points: 24

- **ITB546 SPECIAL STUDIES 1**
  This unit covers aspects of current scientific interest; it makes allowances for significant developments in data communications not provided for in the remainder of the course program. Details of topics are published before the start of each semester.

  Course: IT20
Credit Points: 12 Contact Hours: 3 per week

- **ITB547 SPECIAL STUDIES 2**
  This unit covers aspects of current scientific interest; it makes allowances for significant developments in data communications not provided for in the remainder of the course program. Details of topics are published before the start of each semester.

  Course: IT20
Credit Points: 12 Contact Hours: 3 per week

- **ITB548 INTRODUCTION TO CRYPTOLOGY**
  This unit covers classical ciphers; modern symmetric ciphers; public key ciphers; practical cryptography.

  Courses: IF23, IT20, IT40, MA34, SC30, SC60
Prerequisite: MAB177 or MAB493 or MAB620
Credit Points: 12 Contact Hours: 3 per week

- **ITB549 ERROR CONTROL & DATA COMPRESSION**
  This unit covers data compression techniques; introduction to block codes; convolutional codes; cyclic codes and Reed-Solomon codes; coding techniques and applications.

  Courses: IF23, IT20, IT40, MA34, SC30, SC60
Prerequisite: MAB177 or MAB493 or MAB620
Credit Points: 12 Contact Hours: 3 per week

- **ITB555 PROJECT**
  This unit allows students to undertake a large project in one semester.

  Course: IT20
Prerequisite: Completion of at least 60 credit points from the Data Communications major
Credit Points: 24

- **ITB560 INTRODUCTION TO CRYPTOLOGY**
  This unit covers number theory; finite field theory; information theory; classical ciphers; key ciphers and cryptography.

  Courses: EE44, IF23
Prerequisite: MAB493
Credit Points: 7 Contact Hours: 4 per week

- **ITB561 ERROR CONTROL & DATA COMPRESSION**
  This unit covers data compression techniques; introduction to block codes; convolutional codes; cyclic codes and Reed-Solomon codes; coding techniques and applications.

  Courses: EE44, IF23
Prerequisite: MAB493
Credit Points: 7 Contact Hours: 4 per week

- **ITB904 INDUSTRIAL TRAINING EXPERIENCE**
  Consists of a one-year work experience program. For more information about this program, refer to the Cooperative Education Program.

  Course: IT20
Credit Points: 24

- **ITN100 RESEARCH METHODOLOGIES**
  Provides a basis for students to undertake a research project in the Honours and Masters programs. Examines the nature of information technology and the specific research approaches which are commonly applicable to it. Students will learn how to review literature relevant to their research and how to select the research method most appropriate to their project. Provides the foundation skills required in research: critical reviewing, analysis and writing.

  Courses: ITN100, ITN110
Credit Points: 24 Contact Hours: 3 per week

- **ITN100 PROJECT (HONOURS)**
  Designed to enable a student to pursue, in some depth, a particular area of interest, either professional or personal, in information technology.

  Courses: ITN100
Prerequisite: ITN100
Credit Points: 12

- **ITN120 DISSERTATION**
  Designed to enable students to undertake significant research work in a particular area of information technology.

  Course: ITN120
Prerequisite: ITN100 and ITN110
Credit Points: 24

- **ITN130 DISSERTATION (PART-TIME)**
  Designed to enable students to undertake significant research work in a particular area of information technology.

  Course: ITN130
Prerequisite: ITN100 and ITN110
Credit Points: 24

- **ITN140 PROJECT**
  Designed to enable a student to pursue, in some depth, a particular area of interest, either professional or personal, in information technology.

  Course: ITN140
Prerequisite: ITN100
Credit Points: 48
- **ITN150 PROJECT (PART-TIME)**
  
  Refer to ITN140.

- **ITN160 RESEARCH PLAN**
  
  Preparation of a comprehensive research proposal including: a complete review of the literature, review of research methodologies appropriate to the research proposal, identification of the research methodology to be adopted, specification of the research schedule, presentation and justification of the proposal via a seminar to other students and academic staff.

- **Course:** IT60
  
  **Credit Points:** 12

- **ITN210 FOUNDATIONS OF INFORMATION MODELLING**
  
  It is common to sharply distinguish between the specification and the implementation of organisational information systems. There are, however, many important ideas that are shared. This unit introduces notation from mathematics and logic that may be used to describe these ideas. An information system models some aspect of an organisation and contains both specific and general statements about it. The specific statements are stored in the database and the more general ones end up as program. This unit describes how such statements may be specified in the Z notation and implemented in SQL.

- **Courses:** IT30, IT40

- **Credit Points:** 12

- **Contact Hours:** 3 per week

  **Incompatible with:** ITB210

- **ITN211 SYSTEMS ANALYSIS AND DESIGN**
  
  For the creation of a useful and usable information system, it is essential that the feasibility of the system has been established, that the user's requirements are known, and that a suitable user interface is specified. This unit develops basic systems development skills by teaching the methodology and techniques.

- **Courses:** IT35 / IT40, IT25

- **Credit Points:** 12

  **Contact Hours:** 3 per week

  **Incompatible with:** ITB222 and ITB321

- **ITN220 MAJOR ISSUES IN INFORMATION SYSTEMS**
  
  Explores aspects of information technology of great potential significance to information systems professionals, such as the status of information system standards, the extent of integration of computer technology and data communications technology, as well as emerging social and ethical considerations with regard to information technology.

- **Courses:** IF64, IT40

- **Credit Points:** 12

  **Contact Hours:** 3 per week

- **ITN221 OBJECT-ORIENTED ANALYSIS AND DESIGN**
  
  The goal is to develop basic skills in methodologies and techniques of object-oriented software development life cycle.

- **Courses:** IT30, IT40

- **Prerequisites:** ITB222 or equivalent

- **Credit Points:** 12

  **Contact Hours:** 3 per week

  **Incompatible with:** ITB236 and ITB448

- **ITN230 CURRENT ADVANCES IN DATABASE TECHNOLOGY**
  
  Current research activities and development in the area of the next generation database systems; a mixture of research papers and lecture notes on existing systems; practical and theoretical methodologies.

- **Courses:** IT30, IT40

- **Prerequisites:** ITB232 or equivalent

- **Credit Points:** 12

  **Contact Hours:** 3 per week

- **ITN231 KNOWLEDGE-BASED SYSTEMS**
  
  This unit assumes a background in conventional systems concepts, programming and database, and an exposure to fundamental expert systems concepts. Explores four major themes in knowledge-based systems: (a) conceptual: problem selection and structure, inference and knowledge representation; (b) technical: declarative and functional programming; (c) pragmatic: improving the yield from existing information base; and (d) methodological: questions associated with the definition, design and control of knowledge-based systems.

- **Courses:** IT30, IT40

- **Prerequisites:** ITB243 or equivalent

- **Credit Points:** 12

  **Contact Hours:** 3 per week

- **ITN241 ADVANCED TOPICS IN HUMAN-COMPUTER INTERACTION**
  
  The most significant issues and activities of human computer interaction and software design includes the perceptual basis of the presentation of visual information, the basic aspects of visual information processing and facets of representation of knowledge; the development of expert systems and how they change the nature of interaction between person and machine and review features of interactions with systems, e.g. keyboards through to advanced input modes. On completion, students should be able to apply principles from the current research in difference aspects of human computer interactions and are aware of future developments in this field.

- **Courses:** IT30, IT40

- **Prerequisites:** ITB224 or equivalent

- **Credit Points:** 12

  **Contact Hours:** 3 per week

- **ITN242 DISTRIBUTED TRANSACTION MANAGEMENT SYSTEMS**
  
  Distributed transactions management systems are the object of active research. Data sharing makes imperative the need to address the problem of making different transaction managers talk to each other in homogeneous and heterogeneous environments. Therefore the techniques which are covered in this unit have a far-reaching benefit as far as mastering the technology of the next generation database systems.

- **Courses:** IT40

- **Prerequisites:** ITB232 and ITN243

- **Credit Points:** 12

  **Contact Hours:** 3 per week

- **ITN243 ACCESS METHODS FOR INFORMATION SYSTEMS**
  
  Modern information systems are built around fast access methods and flexible structuring mechanisms. In this unit these techniques are studied using both analytical and experimentation. Trees, lists, tables, hashing and stacks are reviewed. Extensible hashing, K-d trees, quadrees, multiattribute hashing and signature files are studied.

- **Courses:** IT30, IT40

- **Prerequisites:** ITB246 or equivalent

- **Credit Points:** 12

  **Contact Hours:** 3 per week

- **ITN244 SPECIAL TOPIC 1**
  
  These units are designed to allow for the significant development of, or emphasis in, information systems not dealt with in other course units. Selected topics and study areas are offered as required and when the necessary expertise is available. See School of Information Systems announcements for details of topics being offered.

- **Courses:** IT30, IT40

- **Prerequisites:** See School announcements

- **Credit Points:** 12

  **Contact Hours:** 3 per week

- **ITN245 SPECIAL TOPIC 2**
  
  These units are designed to allow for the significant development of, or emphasis in, information systems not dealt with in other course units. Selected topics and study areas are offered as required and when the necessary expertise is available. See School announcements.
expertise is available. See School of Information Systems announcements for details of topics being offered.

Courses: IT30, IT40
Prerequisites: See School announcements
Credit Points: 12 Contact Hours: 3 per week

- ITN246 MINOR PROJECT 1 (IS)
  Students may pursue a specialised area or broaden their knowledge in an area of relevance to their employment.
  Topic is decided by agreement between the student and a staff member acting as supervisor.
  Course: IT35 / IT40
  Prerequisite: At least 60 credit points completed
  Credit Points: 12 Contact Hours: 3 per week

- ITN248 MINOR PROJECT 2 (IS)
  Students may pursue a specialised area or broaden their knowledge in an area of relevance to their employment.
  Topic is decided by agreement between the student and a staff member acting as supervisor.
  Course: IT35 / IT40
  Prerequisite: At least 60 credit points completed
  Credit Points: 12 Contact Hours: 3 per week

- ITN250 DISTRIBUTED DATABASE SYSTEMS
  Distributed DBMS architectures, data replication and fragmentation; query decomposition and optimisation; transaction management in distributed settings; distributed concurrency control; recovery and multi-databases.
  Courses: IT30, IT40
  Prerequisites: ITB232 and ITN243
  Credit Points: 12 Contact Hours: 3 per week

- ITN340 INFORMATION AGENCIES
  In-depth understanding of the history and development of information agencies and their services, to enable approaches to their advancement based upon performance analysis and analysis of user needs.
  Courses: IT64, IT30, IT40
  Credit Points: 12 Contact Hours: 3 per week

- ITN341 INFORMATION POLICY AND PLANNING
  The relationship between the public and private sectors in information provision, and an examination of the information industry and corporate and government policies relating to it.
  Courses: IT64, IT25, IT30, IT35 / IT40
  Credit Points: 12 Contact Hours: 3 per week

- ITN342 INFORMATION SCIENCE
  An understanding of theories and principles that have been adopted from a variety of disciplines and which together give some pointers towards a model for information and communication theory.
  Courses: IT30, IT40
  Credit Points: 12 Contact Hours: 3 per week

- ITN343 PRINCIPLES OF INFORMATION MANAGEMENT
  The information resource; information as an organisational resource; evolution of information resources management; information management with reference to management principles; management information systems; applications of environmental scanning; information technology management; information flows and information mapping; information resource evaluation; information management and business strategy; information added value; information and competitive advantage; social intelligence.
  Course: IT35 / IT40, IT25
  Credit Points: 12 Contact Hours: 3 per week

- ITN344 INFORMATION PROCESSING APPLICATIONS
  A series of learning modules relating to different database, spreadsheet, information retrieval, desktop publishing, network interface and other information management packages is provided. Each student undertakes three of these modules and is required to report on each module, making creative use of word processing, electronic mail, project management and presentation software.
  Course: IT40
  Credit Points: 12 Contact Hours: 3 per week

- ITN345 INFORMATION SYSTEMS AUDIT
  A general approach to IS auditing; the management controls framework; the application controls framework; security administration; audit software; the IS audit function; controls over asset safeguarding, data integrity, system effectiveness and efficiency.
  Course: IT40
  Prerequisite: Completion of Information Management module 1
  Credit Points: 12 Contact Hours: 3 per week

- ITN346 SPECIAL TOPIC – INFORMATION MANAGEMENT
  Topic be developed on an individual basis.
  Course: IT40
  Prerequisite: Dependent on individual topic
  Credit Points: 12

- ITN347 INFORMATION MANAGEMENT PROJECT 1
  Students may pursue a specialised area or broaden their knowledge in areas of relevance to their employment.
  Topic is decided by agreement between the student and a staff member acting as supervisor.
  Course: IT40
  Prerequisite: Dependent on individual topic
  Credit Points: 12

- ITN348 INFORMATION MANAGEMENT PROJECT 2
  Students may pursue a specialised area or broaden their knowledge in areas of relevance to their employment.
  Topic is decided by agreement between the student and a staff member acting as supervisor.
  Course: IT40
  Prerequisite: Dependent on individual topic
  Credit Points: 12

- ITN350 INFORMATION CONTEXTS
  Survey research methods; proposal writing; ethics in the provision of information resources and information services; marketing of information services; user education; referral services; an overview of programs providing information resources and services for persons with special needs; developing reliable and valid measuring instruments for program evaluation.
  Course: IT40
  Prerequisites: HRN104, ITP329
  Credit Points: 12 Contact Hours: 3 per week

- ITN351 INFORMATION SOURCES 2
  Role of the search intermediary and reference librarian; implications of a National Information Policy; news sources; other information sources related to R&D, longrange planning, marketing; advanced online, network and CD-ROM information retrieval; expert systems as tools in reference work.
  Course: IT40
  Prerequisite: ITN104, ITP329
  Credit Points: 12 Contact Hours: 3 per week

- ITN352 INFORMATION ORGANISATION 2
  Rules for description of material in library collections; application of computer-based cataloguing rules to all types of materials; comparison of description of materials in OPACs, MARC format, shared cataloguing and cataloguing networks; comparison of general classification systems and the use of main systems such as DDC and LC in libraries; alternative classification systems
such as BSO; special classification systems for specific subject areas; development and use of structured interfaces to Internet resources.

Course: IT40  Prerequisite: ITP327
Credit Points: 12  Contact Hours: 3 per week

■ ITN353 RECORDS MANAGEMENT
History and role of records management; file storage and equipment; records survey; classification and indexing; office functions and controls and computer applications; disaster recovery; disposition; ergonomics; micrographics; automation; forms design; office machines and equipment; RMAA.
Course: IT30  Prerequisite: ITN343, ITP330
Credit Points: 12  Contact Hours: 3 per week

■ ITN354 ORGANISING MULTICULTURAL INFORMATION RESOURCES & SERVICES
Initial and ongoing information gathering and decision making required; market research for a multicultural service; coping with the transient nature of many ethnic groups in a given location; the particular problems of ageing ethnic communities; second and later generation Australian-born ethnic community members and their needs; the complexities of total illiteracy and monolanguage literacy; handling intra and inter ethnic group sensitivities and hostilities; non-English language resource providers; selection methodologies appropriate where in-library language expertise is nonexistent; providing effective resources catalogues; physical organisation of multiple language resource collections; linkages to the English language resource collection; space provision and signage for a multicultural service; marketing and public relations; targets, strategies and tactics.
Course: IT40  Prerequisite: ITP329, HRN104, ITP328
Credit Points: 12  Contact Hours: 3 per week

■ ITN355 INFORMATION RESOURCES FOR BUSINESS & INDUSTRY
Commercial information services: historical perspective on the types of services offered in academic, state, public and special libraries; consideration of the ongoing debate about the opposing philosophies of freedom of access to information versus a fee-based information service; the requirements of the business and industrial community and the implications for library services; investigation of what types of services are required and can be targeted to help further develop existing library resources (can our commercial information service run at a profit?); issues involved in selling information, including legal liabilities and ethical concerns; how to establish a fee-based service, including staff selection; staff skills, client relationships, confidentiality, management and location of the service; implications for the future; costs and the relationship of costs to the rapid expansion of the Internet.
Course: IT40  Prerequisite: ITP328, HRN104, ITP329
Credit Points: 12  Contact Hours: 3 per week

■ ITN356 RESOURCES & SERVICES FOR YOUNG PEOPLE
Goals and objectives of library services for young people; community outreach and activity programs for children; activity programs and services for young people; psychology of the child; reading, development and tasks; bibliotherapy; booktalks; storytelling; selection of fiction and nonfiction for young people; library services to schools, curriculum support materials; user surveys; history of children's literature; censorship; special collections; book awards; picture books and books for the young child; children's book illustration/illustrators; Australian children's literature; the Aborigine in Australian children's literature; genres in children's literature: science fiction, fantasy, etc.; nonsexist children's literature.
Course: IT40  Prerequisite: ITP329
Credit Points: 12  Contact Hours: 3 per week

■ ITN357 SPECIAL TOPIC – INFORMATION STUDIES
Topic developed on an individual basis.
Course: IT40
Prerequisite: Dependent on individual topic
Credit Points: 12

■ ITN358 MANAGEMENT OF INFORMATION PROGRAMS
The specific role and functions of the manager of an information agency; social, ethical and legal responsibilities of information agencies; the managerial challenges associated with modern dependence on computer and other technologies in the day-to-day operations of information agencies; the need to prioritise an information agency's resource and service commitments; report writing; aids to decision-making and decision implementation; skills and techniques for converting 'good ideas' into credible and persuasive plans; budgeting, cash flow and marketing in both profit and nonprofit information agencies.
Course: IT40  Prerequisite: HRN104
Credit Points: 12  Contact Hours: 3 per week

■ ITN359 PRESERVATION MANAGEMENT OF RESOURCE MATERIALS
The principles, strategies and practices of preservation of materials; evaluation of the various preservation techniques appropriate to the major storage media (e.g. paper, film, electronic, etc.); the importance of preservation planning and security as a part of all routines and the implications of consequent losses to organisations and society should information agencies fail to formulate a preservation plan; risk analysis, prioritising, costing and budgeting.
Course: IT40  Prerequisite: HRN104, ITN343
Credit Points: 12  Contact Hours: 3 per week

■ ITN360 EVALUATION OF INFORMATION PROGRAMS
Project goal setting; project design and planning; evaluation/measurement tools, including locating appropriate tools and establishing their reliability and validity; implementing the project plan; managing the project within time and budget constraints; maintaining good relations with information service personnel; data analysis; report and recommendations.
Course: IT40  Prerequisite: ITP329, ITP328, ITP330
Credit Points: 12  Contact Hours: 3 per week

■ ITN410 SOFTWARE PRINCIPLES
Use of efficient data structures; languages illustrating the variety of features found in computer programming languages; structured program design techniques; advanced algorithms and methods of providing program correctness.
Course: IT40
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: ITB422

■ ITN411 SYSTEMS ARCHITECTURE & OPERATING SYSTEMS
Computer organisation; the nature and roles of system software and the nature of microcomputers and computer graphics; computer systems architecture; micro-operations; instruction formats; microprocessor types; machine language; system software including operating systems, assemblers, compilers, loaders.
• ITN420 COMPARATIVE PROGRAMMING LANGUAGES
Language is the fundamental conceptual tool and means of expression within information technology so its principles need to be understood and the similarities and differences between different languages appreciated. This unit provides an understanding of the languages currently used and, importantly, in what directions they can be expected to develop. Language is also the major technical support for software engineering principles so can be seen as a large part of the solution to current and future software engineering problems.
Courses: IT30, IT40
Prerequisites: Knowledge of ADTs
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: ITB412

• ITN421 SOFTWARE SPECIFICATION
The use of formal methods is viewed as an integral part of the software engineering process. The unit includes formal specifications and uses the laws of refinement to derive Modula-2 code. Later temporal logic to deal with real-time issues is introduced.
Courses: IT30, IT40
Credit Points: 12 Contact Hours: 3 per week

• ITN430 ADVANCED OPERATING SYSTEMS
This unit has two themes: the nature, design and implementation of real-time systems on the one hand, and the nature of object-oriented programming environments and operating systems on the other. Students are expected to be familiar with systems programming and object-oriented concepts.
Courses: IT30, IT40
Prerequisites: ITN410 and ITN411 (IT40 only)
Credit Points: 12 Contact Hours: 3 per week

• ITN431 DISTRIBUTED SYSTEMS
The rationale for distributed computer systems, their domain of application and the principles of distributed control underlying their construction. A number of representative systems are examined.
Courses: IT30, IT40
Prerequisite: ITB430
Credit Points: 12 Contact Hours: 3 per week

• ITN440 ADVANCED GRAPHICS
Advanced level extension of the material in the undergraduate curriculum; the use of facilities provided by existing graphics systems.
Courses: IT30, IT40
Prerequisite: ITB440
Credit Points: 12 Contact Hours: 3 per week

• ITN441 ARTIFICIAL INTELLIGENCE
Artificial intelligence in the computing industry; aspects of artificial intelligence which have given rise to commercial products; background research efforts which promise to have a major impact on the use of computers in the near future.
Courses: IT30, IT40
Prerequisite: ITB442
Credit Points: 12 Contact Hours: 3 per week

• ITN442 COMPILER CONSTRUCTION
The organisation and structure of language translator and compilers. Some emphasis is placed on those parts of these software tools which are amenable to formal analysis. The material extends undergraduate studies in algorithm design and in the semantics of formal languages. Special attention is paid to techniques which are applicable in the implementation of special purpose languages such as database query languages and production systems.
Courses: IT30, IT40
Prerequisite: ITB440
Credit Points: 12 Contact Hours: 3 per week

• ITN443 NEUROCOMPUTING
An introduction to the principles upon which current artificial neural network computing is based, giving examples of current applications, and exploring the potential future development of the technology.
Courses: IT30, IT40
Credit Points: 12 Contact Hours: 3 per week

• ITN444 PARALLEL PROCESSING
The modelling of parallel systems and the design methodologies used in their construction; applicable software systems and methodologies; the formal analysis of concurrent systems is based on the theory of communicating sequential processes.
Courses: IT30, IT40
Credit Points: 12 Contact Hours: 3 per week

• ITN445 PATTERN RECOGNITION
Introduction of new methods for producing more powerful software for tasks traditionally considered as requiring intelligence. Hands-on experience is provided by computer simulations exercises and assignments using MATLAB.
Courses: IT30, IT40
Prerequisites: ITB442 and ITB461 or equivalent
Credit Points: 12 Contact Hours: 3 per week

• ITN446 MINOR PROJECT 1 (CS)
Students may pursue a specialised area or broaden their knowledge in areas of relevance to their employment. Topic is decided by agreement between the student and a staff member acting as supervisor.
Course: IT40
Prerequisite: At least 72 credit points completed
Credit Points: 12 Contact Hours: 3 per week

• ITN447 SPECIAL STUDIES
Aspects of current scientific research interest; it makes allowances for significant developments in computing science not provided for in the remainder of the course program. See noticeboard for further information.
Courses: IT30, IT40
Prerequisites: Topic dependent
Credit Points: 12 Contact Hours: 3 per week

• ITN449 MINOR PROJECT 2 (CS)
Students may pursue a specialised area or broaden their knowledge in an area of relevance to their employment. Topic is decided by agreement between the student and a staff member acting as supervisor.
Course: IT35 / IT40
Prerequisite: At least 60 credit points completed
Credit Points: 12 Contact Hours: 3 per week

• ITN510 DATA NETWORKS
Basic data communications and topics of fundamental importance concerning the technology and architecture of data networks at a postgraduate level. It emphasises communications software and hardware, telecommunication services, local area networks, wide area networks, interconnectivity and network management.
Courses: IT40
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: ITB510

• ITN520 INTER NETWORKING
Students entering the field of computer networks are expected to possess practical skills in various aspects of the installation and management of communications systems, particularly local area networks.
Course: IT40
Prerequisite: ITN510
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: ITB521

• ITN521 NETWORK APPLICATIONS
Students will study the distributed application services
offered by open networking technologies. The international standards pertaining to these distributed application services will also be studied (mainly those using the OSI and TCP/IP communications technologies). Students will also gain insight into future industry trends in the area of open systems.

Course: IT40  Prerequisite: ITN510  Credit Points: 12  Contact Hours: 3 per week
Incompatible with: ITB531

ITN526 MINOR PROJECT 1 (DC)
Students may pursue a specialised area or broaden their knowledge in an area of relevance to their employment. Topic is decided by agreement between the student and a staff member acting as supervisor.
Course: IT35 / IT40  Prerequisite: At least 60 credit points completed  Credit Points: 12  Contact Hours: 3 per week

ITN528 MINOR PROJECT 2 (DC)
Students may pursue a specialised area or broaden their knowledge in an area of relevance to their employment. Topic is decided by agreement between the student and a staff member acting as supervisor.
Course: IT35 / IT40  Prerequisite: At least 60 credit points completed  Credit Points: 12  Contact Hours: 3 per week

ITN530 CORPORATE TELECOMMUNICATIONS
The issues of design, control, security and management of enterprise-wide networks. The corporate network encompasses integrating a company's telecommunications systems, including local area networks, metropolitan area networks, wide area networks (national and international), voice networks, and other special services.
Courses: IT30, IT40  Prerequisite: ITN521  Credit Points: 12  Contact Hours: 3 per week

ITN531 NETWORK SECURITY
Ensures that students recognise the requirement to design, implement and manage facilities in a manner consistent with an overall organisational security policy. Development of a security plan; risk analysis; access control; cryptography; network security and encryption; key management; database security; secure operating systems and access control. On completion, students should be able to incorporate security and management controls into information systems in accordance with a formal risk analysis and assessment for the system.
Courses: IT30, IT40  Prerequisite: ITB543 or ITB548 and ITN520 or equivalent  Credit Points: 12  Contact Hours: 3 per week

ITN540 ADVANCED NETWORK TECHNOLOGIES
Details the latest network technologies for moving information across the room or across the world. Investigates the network protocols used in the transport of information using this new hardware.
Courses: IT30, IT40  Prerequisite: ITB520  Credit Points: 12  Contact Hours: 3 per week

ITN553 OS SECURITY AND MANAGEMENT
Computer professionals need to be able to identify, assess, and advise on the security features (in particular the enforcement techniques used) in computer systems.
Courses: IT30, IT40  Corequisite: ITN531  Credit Points: 12

ITN554 SPECIAL TOPIC
An advanced topic in data networks is studied in detail. The topic concerned will depend on the interests of the Faculty member or visitor responsible for the unit in any semester in which the unit is offered.
Courses: IT30, IT40  Prerequisite: Approval of Head of School of Data Communications  Credit Points: 12  Contact Hours: 3 per week

ITN555 SPECIAL TOPIC
Refer to ITN554.
Course: IT30  Credit Points: 12

ITN556 ADVANCED TOPICS IN CRYPTOLOGY
Design and cryptanalysis of ciphers; indepth study of methods for forming secure ciphers and attacking various ciphers; secret sharing schemes; crypto-protocols, including zero knowledge systems; current topics in cryptology.
Courses: IT30, IT40  Prerequisite: ITB548  Credit Points: 12  Contact Hours: 3 per week

ITP312 ORGANISATION OF KNOWLEDGE
The organisation of knowledge in libraries and information agencies. Emphasis is placed on the description, classification and subject analysis of information in print media using AACR2 (1988 revision), DDC and LCSH. Other related topics are mentioned briefly, e.g. LCC, MARC, ABN and other efforts.
Courses: IS25, IT20  Credit Points: 12  Contact Hours: 3 per week

ITP313 INFORMATION SOURCES & SERVICES
Interpersonal communication, the reference interview and search strategies, and general and Australian reference tools; national information policy, reference theory and service, communication and the reference interview, search strategies, lead-in tools, general reference tools, government documents, resources in the humanities, social sciences, science and technology, user pays, document delivery, microcomputers.
Courses: IS23, IT20  Credit Points: 12  Contact Hours: 3 per week

ITP316 FIELD EXPERIENCE
Designed to give students an opportunity to participate in the day-to-day work of a library at a beginning professional level. Students are required to undertake work at a level appropriate to beginning professionals in two approved libraries for a total period of 30 working days, gaining substantial experience in at least two different areas of library work under the supervision of qualified librarians.
Courses: IS25, IT20  Prerequisite: Completion of 50 per cent of other units  Credit Points: 4

ITP317 LIBRARY SERVICES TO YOUNG PEOPLE
The most important aspects of library services to children and young adults; the evolution of literature with emphasis on the effects of social, political and religious movements on its purposes, form and content; the development of library services in both schools and public libraries; the importance of literary awards; the criteria for selection of resources; the planning and carrying out of programs to promote reading, including effective storytelling.
Course: IS25  Prerequisite: ITP311, ITP313  Credit Points: 12  Contact Hours: 3 per week

ITP318 ADVANCED ORGANISATION OF KNOWLEDGE
The organisation of knowledge in libraries and information agencies. Topics include description of selected non-print media, enumerative and facetted classifications, special classifications, problems with alphabetical unit indexes and automated indexing.
Course: IS25  Prerequisite: ITP312
Credit Points: 12  Contact Hours: 3 per week

- ITP319 GOVERNMENT DOCUMENTS
  The production, acquisition and organisation of government documents and issues related to their use. Topics include why governments publish, the range of units, the value of government information, bibliographic control, freedom of information commercialisation/privatisation of government information, and organisation of government document collections. Australian, United States, United Kingdom and international government documents are studied.

  Course: IS25  Prerequisite: ITP313
  Credit Points: 12  Contact Hours: 3 per week

- ITP320 SPECIAL TOPIC - LIBRARY SCIENCE
  Designed to allow for significant development of, or emphasis in, library science not dealt with in other units. Topics and study areas are offered as required and when the necessary expertise is available.

  Course: IS25  Prerequisites: See School announcements
  Credit Points: 8  Contact Hours: 2 per week

- ITP321 SPECIAL TOPIC - LIBRARY SCIENCE
  Allows for the significant development of or emphasis in library science not already dealt with. Selected topics and study areas are offered as required and when the necessary expertise is available.

  Course: IS25  Prerequisites: See School announcements
  Credit Points: 8  Contact Hours: 2 per week

- ITP322 INDIVIDUAL STUDY
  Students can pursue in depth a personal interest in library science not covered by the Graduate Diploma course core or other elective units. On completion of this unit, students should be able to demonstrate a detailed knowledge of the area chosen.

  Course: IS25  Prerequisites: To be determined by the nature of the study
  Credit Points: 8  Contact Hours: 2 per week

- ITP323 INTRODUCTION TO RECORDS MANAGEMENT
  Records management theory, techniques and trends. Topics include the history and role of records management and the creation, control, organisation, maintenance, disposition and evaluation of records.

  Course: IS25  Credit Points: 8  Contact Hours: 2 per week

- ITP324 LIBRARY PROGRAMS & SERVICES
  An introduction to the evaluation of users' informational needs and the development of library programs and services to meet the needs of special groups in the community, e.g. young people, elderly people, disabled people, ethnic minorities, business people, etc.

  Course: IS25  Prerequisite: ITP313
  Credit Points: 8  Contact Hours: 2 per week

- ITP325 PRESERVATION MANAGEMENT OF MATERIALS
  Principles, strategies and practices of preservation of materials; various preservation techniques appropriate to the major storage media; the importance of preservation planning and security as a part of all routines; the implications of consequent losses to organisations and society should information agencies not formulate a preservation plan.

  Course: IS25  Credit Points: 12  Contact Hours: 3 per week

- ITP326 INDIVIDUAL STUDY
  Students can pursue in depth a personal interest in library science not covered by the Graduate Diploma course core or other elective units. On completion of this unit, students should be able to demonstrate a detailed knowledge of the area chosen.

  Course: IS25  Prerequisites: To be determined by the nature of the study
  Credit Points: 12  Contact Hours: 3 per week

- ITP327 INFORMATION ORGANISATION 1
  Description of recorded knowledge in its various forms, rules and standards for description and organisation in different environments; database creation, control and report formatting; comparison of bibliographic and nonbibliographic report formats; citation and citation software; content analysis and vocabulary control; indexing and indexing display formats; classification and introduction to general classification systems, and comparison with subject-specific systems.

  Course: ITP327  Credit Points: 12  Contact Hours: 3 per week

- ITP328 INFORMATION SOURCES 1
  Different media and the publishing process; primary, secondary and tertiary published information resources; critical success factors and environmental scanning; what environmental scanning is and how it works; characteristics of resources in the humanities, social sciences, sciences and technology; lead in tools, general reference tools, abstracting and indexing services both hard copy and machine readable; selecting a database provider, developing a search strategy, designing a search query, the proliferation of Internet resources; identification and location of specialist publications.

  Course: IT25  Credit Points: 12  Contact Hours: 3 per week

- ITP329 INFORMATION RESOURCES PROVISION
  The concept of information and the information life cycle; intellectual property and intellectual freedom; assessing community information needs and wants; evaluation and maintenance of resource collections; cooperative collection development and resource sharing; the multifaceted role of prospectus; writing and testing a collection policy document; print, nonprint and multimedia publishers/producers; legal and ethical issues in information resource provision; locating alternative information resource providers; selection aids and tools for acquiring information resource items; techniques for assessing community information needs.

  Course: IT25  Credit Points: 12  Contact Hours: 3 per week

- ITP330 PROFESSIONAL PRACTICE
  Historical perspective of the role of libraries and information agencies; alternative approaches and technologies for information provision and dissemination; processes and techniques of communication; social and legal framework affecting information provision; the role of librarians and other information professionals; field experience involving day to day employment in a library or other information agency.

  Course: IT25  Prerequisite: Successful completion of the four units from the first module of the course
  Credit Points: 12  Contact Hours: 3 per week

- ISB011 SOCIAL ISSUES FOR JUSTICE PROFESSIONALS 1
  This unit introduces students to the concepts of race,
ethnicity, class and gender in order to provide a framework for understanding the way in which inequality is produced and reproduced. This unit will argue that such knowledge informs our interpretation and understanding of justice and injustice in Australian society.

Courses: JS31, JS33, LW41
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: JSB101

■ JSB012 COMMUNICATION FOR JUSTICE PROFESSIONALS
Personnel in human service agencies such as law enforcement and justice administration are highly dependent upon communication skills. In particular, good written communication is essential. It is also essential for academic success. This unit aims to lay the foundation for effective writing skills which will form the basis for academic success and professional competence. Students will be assisted to think, plan and write effectively and will be encouraged to assess and improve the technical aspects of their writing and to explore and practise a variety of writing styles.

Courses: JS31, JS33, LW41
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: JSB104

■ JSB013 LAW AND GOVERNMENT 1
This unit aims to introduce students to the institutions of government, bureaucracy and the law. With legal processes under increasing scrutiny and social change occurring at a far greater pace than in the past it is no longer sufficient or possible to 'know what the law is'. Instead, students will acquire an understanding of the relationship between law and society as well as legal problem-solving skills to equip them to adapt as change occurs.

Courses: JS31, JS33
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: JSB103

■ JSB014 INTRODUCTION TO JUSTICE STUDIES
Justice Studies adopts a multidisciplinary approach to knowledge. Several disciplines such as sociology, psychology, criminology, philosophy and law form the basis of the Justice Studies program. This subject will focus on these different knowledges which various professions use to inform their research and practice.

Courses: JS31, JS33, LW41
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: JSB108

■ JSB015 SOCIAL ISSUES FOR JUSTICE PROFESSIONALS 2
This unit uses the knowledge and understanding of inequality and injustice gained in JSB011 to introduce students to the concepts of rights, equality, justice and citizenship. These concepts form the basis for a more detailed explanation of social justice and its relationship to criminal justice.

Course: JS31, JS33, LW41
Prerequisites: JSB011, JSB012
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: JSB202

■ JSB016 INTERPERSONAL SKILLS FOR JUSTICE PROFESSIONALS
Skills development and their application in relation to the self and in interaction with others. Both functional and dysfunctional styles are examined.

Courses: JS31, JS33, LW41
Prerequisite: JSB012
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: JSB105

■ JSB017 LAW AND GOVERNMENT 2
This unit complements Law and Government 1. It critically examines the role of the courts, the resolution of disputes and the criminal justice system.

Courses: JS31, JS33
Prerequisites: JSB012, JSB013
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: JSB216

■ JSB018 CRIMINOLOGY 1
This unit traces the development of theories of criminal behaviour and criminal law from the Enlightenment to the present day. Examination will also be made of the impact criminological theory has upon institutional practices within the criminal justice system.

Courses: JS31, JS33, LW41
Prerequisite: JSB012
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: JSB107

■ JSB020 CRIMINOLOGY 2
Examination of the theories of punishment. Having defined punishment and the nature and limits of the criminal law, students assess the traditional justifications for punishment: retribution and just deserts, deterrence, rehabilitation and elimination and incapacitation. Justifications for severity of punishment, the control of judicial discretion and the political significance of punishment are examined. Options for reform are also canvassed.

Courses: JS31, JS33, LW41
Prerequisite: JSB018
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: JSB304

■ JSB022 PRINCIPLES OF CRIMINAL LAW 1
This subject exposes students to fundamental principles of criminal law as well as the social and political forces that shape those laws. It focuses on crimes of violence including sexual assault, child abuse, elder abuse and domestic violence. It also looks at criminal defences and property offences.

Courses: JS31, JS33, LW41
Prerequisite: JSB017
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: JSB201

■ JSB023 HUMAN DYNAMICS AND THE CRIMINAL JUSTICE PROCESS 1
The human factors involving personality, inheritance and moral development, and crime are explored in the context of policing, the courts and the correctional system. Eyewitness testimony, offender rehabilitation and societal reactions are examined.

Courses: JS31, JS33, LW41
Prerequisite: JSB016
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: JSB203

■ JSB024 PRINCIPLES OF CRIMINAL LAW 2
This subject exposes students to fundamental principles of criminal law as well as the social and political forces that shape those laws in the areas of crimes of morality; drug, traffic and public order offences; war crimes and hate crimes; state corruption and whistleblowers; white collar crime, proceeds of crime and victims of crime. It also looks at the due process aspects of criminal procedure.

Courses: JS31, JS33, LW41
Prerequisite: JSB022
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: JSB204

■ JSB031 INVESTIGATION AND EVIDENCE
Professionals involved in the fields of law enforcement and justice administration are frequently required to exercise investigative skills. This unit provides students with a clear understanding of the law relating to the gathering of evidence, interrogation and admissibility of evidence in court. Study includes an examination of the general principles of judicial evidence, witnesses, rules of evidence, admissions and confessions. Issues of evidence of current importance (e.g. issues arising out of inquiries such as 'Operation Trident', new forms of evi-
The apparent growth of organised crime, both nationally and internationally, in recent years has resulted in a deepening commitment on the part of the law enforcement agencies to its suppression. Although not confined to the association with illicit drugs, the so-called drug trade is a major enterprise behind the proliferation of organised crime. Another consequence of organised crime is the development of corruption through the diverse levels of society. Students therefore gain an understanding of the historical development, social perceptions and consequences and the perceived extent of organised crime. Students also consider the strategies employed to combat organised crime including the extent of investigation and/or Commissions of Inquiry documented to date.
conduct risk/threat assessments and cover other areas such as inspections, audits, surveys and reviews; policy, procedures and controls; management aspects; legislation; case studies and models of security.

Courses: JS31, JS33, LW41  Prerequisite: JSB061  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: JSB213

- JSB063 INTELLIGENCE RESEARCH — ISSUES, PROCEDURES AND PRACTICE

Addresses major intelligence issues, intelligence and related security procedures and professional practices. The concept of intelligence in this unit is 'that which confers an advantage' in any professional context. Students apply process methodology: in examining specific societal issues; in recognising different intelligence 'research' procedures for specific issues; and in practical analysis of selected issues such as terrorism, illegal drugs, fauna smuggling, organised crime (operating in, or having the potential to operate in, Australia), corporate crime, community crime, environmental matters, illegal immigration, national defence and foreign intelligence activities.

Courses: JS31, JS33, LW41  Prerequisite: JSB061  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: JSB313

- JSB064 PROTECTIVE SECURITY — ISSUES AND PRACTICE

Personnel, material, physical and information security are the main areas with protective security. This unit covers the methods and techniques for the collection of information and its management and analysis. Students conduct formal audits and complete written reports on their findings. Planning and controlling the flow of information; unacapata, scan and other analysis tools are studied.

Courses: JS31, JS33, LW41  Prerequisite: JSB061, JSB062  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: JSB311

- JSB065 INTELLIGENCE AND NATIONAL SECURITY

Examination of the concept of national security and development of a basic understanding of the control, functions, roles and responsibilities at the national level in the Australian context. Comparative studies of overseas intelligence and security systems ensure students develop a broader understanding of national security through appreciation of different concepts and contexts. Case studies illustrate abuses of intelligence and security (e.g. political and ideological), intelligence failures; intelligence successes and changes in concepts of national security over the past 50 years. Issues which constitute actual and potential threats to national security in Australia are explored.

Courses: JS31, JS33  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: JSB221

- JSB066 MANAGEMENT OF PROTECTIVE SECURITY

The security function and its performance are considered under a series of topics: formulating a security policy and monitoring its performance; responsibility for security; employment of security staff; training security staff; security of records and reports; conducting surveys and report writing; security of buildings and sites; conference security; security and control of road transport; fire and accident prevention; aids to security; professional bodies; and law and practice.

Courses: JS31, JS33  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: JSB222

- JSB067 INTELLIGENCE, ORGANISATIONS, PERSONNEL AND OPERATIONS

Examination of the various types of intelligence and protective security organisations from the perspective of the 'essentials of an intelligence system'. Using defined characteristics of the intelligence professional and the principles of intelligence and security, students evaluate the selection procedures, selection criteria and management for research analysts, administrative staff, counterintelligence and protective security personnel, technical specialists and generalists for a range of organisational types. Students design systems, establish and resource them, and identify direction required to achieve defined organisational goals and establish and critically examine assessment criteria for effectiveness and efficiency of the various systems. The concept of an intelligence (and security) operation is examined together with all factors which influence decision-making relative to targets and resources. Ethics, the law and political considerations feature in operational studies.

Courses: JS31, JS33  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: JSB223

- JSB068 PROTECTIVE SECURITY IN AUTOMATED SYSTEMS

Principles of protective security are applied to automated systems. Intelligence production is examined through existing data collection, collation and analysis programs (including computerised investigation aids). The unit addresses: the threat to automated systems (e.g. espionage, sabotage, coercion, fraud); available security products; studies of hardware and software security; access controls; networks, data transmission security, and maintenance control; planning of secure sites; case histories and methods by which security can be breached; and future directions in law enforcement technology and computers.

Courses: JS31, JS33  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: JSB230

- JSB071 CORRECTIONS AND THE COMMUNITY 1

The forerunners of the custodial and community correctional systems and their influence are explored in respect to current correctional processes and philosophies. Contemporary conflicting models and their implications are examined.

Courses: JS31, JS33, LW31  Prerequisite: JSB014  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: JSB217

- JSB072 CORRECTIONS AND THE COMMUNITY 2

Contemporary formal and informal custodial and community correctional processes and procedures are presented. The interaction of correctional policies and community programs is discussed.

Courses: JS31, JS33, LW41  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: JSB218

- JSB073 CORRECTIONS AND THE COMMUNITY 3

The correctional setting and its impact on staff and inmates is examined. Special groups - their unique needs and treatment strategies - are discussed in the context of policies and procedures.

Courses: JS31, JS33, LW41  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: JSB317

- JSB074 CORRECTIONS AND THE COMMUNITY 4

Evaluation of alternative models of corrections is un-
Incompatible with: JSB083

Credit Points: 12 Contact Hours: 3 per week

Incompatible with: JSB082

Credit Points: 12 Contact Hours: 3 per week

Incompatible with: JSB085

Credit Points: 12 Contact Hours: 3 per week

Incompatible with: JSB092

Credit Points: 12 Contact Hours: 3 per week

Incompatible with: JSB091

Credit Points: 12 Contact Hours: 3 per week

Incompatible with: JSB314

Credit Points: 12 Contact Hours: 3 per week
■ JSB093 INDIGENOUS PEOPLES, RIGHTS AND JUSTICE
British and international systems of law legally sanctioned colonisation and defined the status of Australia's indigenous peoples. In Indigenous Peoples, Rights and Justice students will examine the status of indigenous people in Australia. Indigenous protest, symbolic politics, indigenous rights and political reform are topics which will be discussed through comparative analysis of countries where indigenous populations exist, such as Canada and New Zealand.

Courses: JS31, JS33
Credit Points: 12  Contact Hours: 3 per week

■ JSB094 VICTIMOLOGY
This unit explores issues relating to the victim of crime. Central to this study are victim typologies and their relationship to the cause of crime; fear of crime and crime prevention; the impact of crime on victims; victim roles and responsibilities; and victim needs in terms of protection, support and compensation.

Courses: JS31, JS33
Credit Points: 12  Contact Hours: 3 per week

■ JSB095 PRIVACY
Privacy is now a major issue in Australian social life. As governments and law enforcement agencies have sought to construct webs of surveillance to protect their interests, privacy has become a major human right and public policy issue. Importantly, public and private interests that compete with privacy are also examined.

Course: JS31, JS33
Credit Points: 12  Contact Hours: 3 per week

■ JSB096 SOCIAL PSYCHOLOGY AND THE JUSTICE SYSTEM
Examines social behaviour in terms of intrapersonal, interpersonal and group dynamics and performance in relation to the justice professions.

Course: JS31, JS33
Credit Points: 12  Contact Hours: 3 per week

■ JSB097 SOCIAL PSYCHOLOGY OF JUSTICE ORGANISATIONS
This unit explores organisational issues which impact on the separate organisations such as the police, corrective services, the courts, etc. which comprise the justice system. Specific topics will be approached from the perspective of the individual, the groups to which the individual belongs, and the organisation which is made up of these groups. Among the topics studied will be individual behaviour, attitudes and values; group dynamics, communication and leadership, and organisational structure, culture and change.

Courses: JS31, JS33
Credit Points: 12  Contact Hours: 3 per week

■ JSB098 FAMILIES AND THE JUSTICE DOMAIN
'The family': historical contradictions; various family processes; identity formation developmental stages; justice systems: the politics of family policy, welfare, violence, courts; family intersections: doing 'justice' to families.

Courses: JS31, JS33
Credit Points: 12  Contact Hours: 3 per week

■ JSB202 CONTEMPORARY ISSUES IN AUSTRALIAN SOCIETY II
Contemporary social issues affecting various organisational levels of society: the individual, the marital dyad, the family and society as a whole; issues of abuse, equity and security; role of policy development and implementation from a social justice perspective.

Courses: JS31, JS33 (external mode only)  
Prerequisite: JSB101
Credit Points: 12  Contact Hours: 3 per week

■ JSB301 LAW OF EVIDENCE & INVESTIGATION
Professionals involved in the fields of law enforcement and justice administration are frequently required to exercise investigative skills. This unit provides students with a clear understanding of the law relating to the gathering of evidence, interrogation and admissibility of evidence in court. Study includes an examination of the general principles of judicial evidence, witnesses, rules of evidence, admissions and confessions. Issues of evidence of current importance, e.g. issues arising out of inquiries such as the 'Operation Trident' inquiry are also explored.

Courses: JS31, JS33 (external mode only)  
Prerequisite: JSB204
Credit Points: 12  Contact Hours: 3 per week

■ JSB302 IDEOLOGY, ETHICS & JUSTICE
Examination of the notion and related concepts of ideology and how they shape, constrain and drive theories of justice and social policy. The focus is on integrating ethical reflection with application to various spheres of public policy to do with welfare, economics, law and order and the environment.

Courses: JS31, JS33 (external mode only)  
Prerequisite: JSB102
Credit Points: 12  Contact Hours: 3 per week

■ JSB401 APPLIED CRIMINOLOGY
This unit examines key and emerging issues in criminological debate such as the fear of crime, the role of the victim, criminal careers, white collar crime and crime prevention.

Courses: JS40
Credit Points: 12  Contact Hours: 3 per week

■ JSB402 PROFESSIONAL STUDIES I
This unit is designed to enable students either to extend studies within an area of professional expertise or to extend their knowledge, skills and expertise in another area of professional study. Students may choose from one of the four professional areas on offer: Law Enforcement; Intelligence and Security; Corrections and the Community; Legal and Justice Policy.

Course: JS40
Credit Points: 12  Contact Hours: 3 per week

■ JSB403 PROFESSIONAL STUDIES II
This unit is designed to enable students to extend studies commenced in the unit JSB402. This will allow for the completion of a secondary major or extended study in one of the four professional areas on offer: Law Enforcement; Intelligence and Security; Corrections and the Community; Legal and Justice Policy.

Course: JS40  
Prerequisite: JSB402
Credit Points: 12  Contact Hours: 3 per week

■ JSB404 THESIS
This initial unit will offer students the opportunity to prepare the groundwork for the 15000 word thesis, which is a major part of the Honours program. The thesis must reflect the student's ability to conceptualise, theorise and implement an appropriate research project.

Course: JS40  
Prerequisite: JSB091
Credit Points: 12  Contact Hours: 3 per week

■ JSB405 JUSTICE ORGANISATIONS
This unit explores organisational issues which impact on the separate organisations such as the police, corrective services, the courts, etc. which comprise the justice system. Specific topics will be approached from the per-
The ways in which ideas of justice, the law and social policy are grounded in theoretical and ideological positions, as well as being reflective of particular ontogenetic stages of moral reasoning.

Course: JS51  Prerequisite: JSN001  Credit Points: 12  Contact Hours: 3 per week

- **JSN006 INDEPENDENT STUDY 1**
  This unit is designed to enable students to pursue particular aspects of their coursework or of professional interest in more depth. It is an opportunity for students to refine and develop research skills. Students are required to complete a piece of research under the guidance of an academic supervisor.

  Course: JS51  Credit Points: 12  Contact Hours: 3 per week

- **JSN007 INDEPENDENT STUDY 2**
  This unit is a continuation of the unit JSN006 – Independent Study 1 and offers students the opportunity to extend further aspects of their coursework or of professional interest in more depth, as well as to continue the process of refining and developing research skills.

  Course: JS51  Credit Points: 12  Contact Hours: 3 per week

- **JSN008 INDIGENOUS PEOPLES, RIGHTS AND JUSTICE**
  British and international systems of law legally sanctioned colonisation and defined the status of Australia’s indigenous peoples. In Indigenous Peoples, Rights and Justice students will examine the status of indigenous people in Australia. Indigenous protest, symbolic politics, indigenous rights and political reform are topics which will be discussed through comparative analysis of countries where indigenous populations exist, such as Canada and New Zealand.

  Course: JS51  Credit Points: 12  Contact Hours: 3 per week

- **JSN009 SEXED JUSTICE**
  This unit examines the sexed nature of justice in Australian society. Topics to be investigated include pornography, prostitution, rape, domestic violence, homophobia and AIDS. Analysis of these topics will be both theoretical and practical, and students will be encouraged to use a variety of sources (policy, parliamentary debates, legislation, judicial decisions and precedents) to examine in depth the phenomenon and validity of sexed justice.

  Course: JS51  Credit Points: 12  Contact Hours: 3 per week

- **JSN010 COUNTER DISASTER PLANNING**
  Students will be required to develop/review a counter disaster plan after being exposed to the cycle of disaster planning.

  Course: JS51  Credit Points: 12  Contact Hours: 3 per week

- **JSN011 AUTOMATED TOOLS FOR RESEARCH**
  This course provides students with an opportunity to use automated tools in support of intelligence and security, and related research. The intelligence analyst works within a range of government and corporate bodies. The products of the analyst are used to provide advantages for planning, policy-making, strategic decision-making and a range of operational practices.

  Course: JS51  Credit Points: 12  Contact Hours: 3 per week

- **JSN012 THE LAW, MORALITY AND THE MEDIA**
  Intelligence and security activities provide an advantage to public and private sector organisations in pursuance
of their missions and goals. The ultimate goal for these support activities can fall within combinations of ethical, unethical, legal and illegal practice. Intelligence and security activities are studied in relation to public and private morality, the rights of individuals, their ‘need to know’ and their ‘right to know’. It examines relationships and responsibilities of intelligence and security professionals and organisations.

Course: JSP01
Credit Points: 12  Contact Hours: 3 per week

**JSP013 LAW, JUSTICE AND LITERATURE**
Exploring the social and personal domains into which legal and justice systems intrude, jurisprudential thought is today more frequently referring to experiential modes of knowing. Law and justice are seen in a different light when taken out of their discourses and challenged by different perspectives. This subject examines experience gathered through literature and analysed through critical theory, different strands of philosophy and jurisprudence in order to tell us more about our law, our state and ourselves.

Course: JSP01
Credit Points: 12  Contact Hours: 3 per week

**JSP001 LAW AND GOVERNMENT 1**
This unit aims to introduce students to the institution of government, bureaucracy and the law. With legal processes under increasing scrutiny and social change occurring at a far greater pace than in the past, it is no longer sufficient to know what the law is. Instead, students will acquire an understanding of the relationship between law and society as well as legal problem-solving skills to equip them to adapt as change occurs.

Courses: JSP01  JSP002
Credit Points: 12  Contact Hours: 3 per week

**JSP002 PRINCIPLES OF CRIMINAL LAW 1**
This subject exposes students to fundamental principles of criminal law as well as the social and political forces that shape those laws. It focuses on crimes of violence including sexual assault, child abuse, elder abuse and domestic violence. It also looks at criminal defences and property offences.

Courses: JSP01  JSP003
Credit Points: 12  Contact Hours: 3 per week

**JSP003 LAW AND GOVERNMENT 2**
This unit complements Law and Government 1. It critically examines the role of the courts, the resolution of disputes and the criminal justice system.

Courses: JSP01  Prerequisite: JSP001
Credit Points: 12  Contact Hours: 3 per week

**JSP004 PRINCIPLES OF CRIMINAL LAW 2**
This subject exposes students to fundamental principles of criminal law as well as the social and political forces that shape those laws in the areas of crimes of morality; drug, traffic and public order offences; war crimes and hate crimes; state corruption and whistleblowers; white collar crime, proceeds of crime and victims of crime. It also looks at the due process aspects of criminal procedure.

Courses: JSP01  Prerequisite: JSP002
Credit Points: 12  Contact Hours: 3 per week

**JSP005 JUSTICE ORGANISATIONS**
This unit explores organisational issues which impact on the separate organisations such as the police, corrective services, the courts, etc. which comprise the justice system. Specific topics will be approached from the perspective of the individual, the groups to which the individual belongs, and the organisation which is made up of these groups. Among the topics studied will be individual behaviour, attitudes and values; group dynamics, communication and leadership; and organisational structure, culture and change.

Course: JSP01
Credit Points: 12  Contact Hours: 3 per week

**JSP006 RESEARCH DESIGN AND METHODOLOGY**
This unit introduces a range of theoretical and applied research methodologies and designs used in the social sciences. It considers both quantitative and qualitative approaches to the research process and to the analysis of data, and it encourages a critical approach to the framing of research questions and to testing research hypotheses. Students will be given practice in the use of a number of data analysis tools.

Courses: JSP01
Credit Points: 12  Contact Hours: 3 per week

**JSP011 INDIGENOUS PEOPLES, RIGHTS AND JUSTICE**
British and international systems of law legally sanctioned colonisation and defined the status of Australia’s indigenous peoples. In Indigenous Peoples, Rights and Justice students will examine the status of Indigenous people in Australia. Indigenous protest, symbolic politics, indigenous rights and political reform are topics which will be discussed through comparative analysis of countries where indigenous populations exist, such as Canada and New Zealand.

Courses: JSP01
Credit Points: 12  Contact Hours: 3 per week

**JSP012 SEXED JUSTICE**
This unit examines the sexed nature of justice in Australian society. Topics to be investigated include pornography and prostitution, rape, domestic violence, homophobia and AIDS. Analysis of these topics will be both theoretical and practical, and students will be encouraged to use a variety of sources (policy, parliamentary debates, legislation, judicial decisions and precedents) to examine in depth the phenomenon and validity of sexed justice.

Course: JSP01
Credit Points: 12  Contact Hours: 3 per week

**JSP013 COUNTER DISASTER PLANNING**
The students will be required to develop/preview a counter disaster plan after being exposed to the cycle of disaster planning.

Courses: JSP01
Credit Points: 12  Contact Hours: 3 per week

**JSP014 AUTOMATED TOOLS FOR RESEARCH**
This course provides students with an opportunity to use automated tools in support of intelligence and security, and related research. The intelligence analyst works within a range of government and corporate bodies. The products of the analyst are used to provide advantages for planning, policy-making, strategic decision-making and a range of operational practices.

Course: JSP01
Credit Points: 12  Contact Hours: 3 per week

**JSP015 THE LAW, MORALITY AND THE MEDIA**
Intelligence and security activities provide an advantage to public and private sector organisations in pursuance of their missions and goals. The ultimate goal for these support activities can fall within combinations of ethical, unethical, legal and illegal practice. Intelligence and security activities are studied in relation to public and private morality, the rights of individuals, their ‘need to know’ and their ‘right to know’. It examines relation-
ships and responsibilities of intelligence and security professionals and organisations.

Course: JS41
Credit Points: 12
Contact Hours: 3 per week

■ JSP016 LAW, JUSTICE AND LITERATURE
Exploring the social and personal domains into which legal and justice systems intrude, jurisprudential thought is today more frequently referring to experiential modes of knowing. Law and justice are seen in a different light when taken out of their discourses and challenged by different perspectives. This subject examines experience gathered through literature and analysed through critical theory, different strands of philosophy and jurisprudence in order to tell us more about our law, our state and ourselves.

Course: JS41
Credit Points: 12
Contact Hours: 3 per week

■ JSP052 POLICE PROCEDURE AND PRACTICE
The role and function of policing; enforcement practices; non-arrest, arrest situations; supporting documentation; evidentiary sources and gathering methodology; crime trends and their impact on policing practices.

Courses: JS41
Credit Points: 12
Contact Hours: 3 per week

■ JSP053 ORGANISED CRIME
The apparent growth of organised crime, both nationally and internationally, in recent years has resulted in a deepening commitment on the part of the law enforcement agencies to its suppression. Although not confined to the association with illicit drugs, the so-called drug trade is a major enterprise behind the proliferation of organised crime. Another consequence of organised crime is the development of corruption through the diverse levels of society. Students therefore gain an understanding of the historical development, social perceptions and consequences and the perceived extent of organised crime. Students also consider the strategies employed to combat organised crime including the extent of investigation and/or Commissions of Inquiry documented to date.

Courses: JS41
Credit Points: 12
Contact Hours: 3 per week

■ JSP054 ISSUES IN POLICING
This unit endeavours to expose students to the multifarious nature of policing and the impact that societal developments have on policing and vice versa.

Courses: JS41
Credit Points: 12
Contact Hours: 3 per week

■ JSP055 APPLIED JUSTICE RESEARCH
This project study unit allows students undertaking the Law Enforcement professional minor to study a topic of personal academic interest which is not otherwise available as a formal subject in the area of policing. This unit differs from other units within the professional minor in that there are a minimum of scheduled lectures and the initiative to choose the topic and to organise the project must come from the students. Students choose a research topic related to contemporary law enforcement issues or activities.

Course: JS41
Credit Points: 12
Contact Hours: 3 per week

■ JSP061 PROCESS THEORY AND APPLICATION
Detailed study and application of the intelligence process (cycle); study of intelligence support to operational staff and organisations; strategic, operational and tactical concepts of intelligence and security; threat and risk assessment relative to protective security—personnel, materials and infrastructure; industrial and commercial espionage and sabotage.

Courses: JS41
Credit Points: 12
Contact Hours: 3 per week

■ JSP062 PROTECTIVE SECURITY—THEORY AND APPLICATION
Deals with protective security in its broadest sense; it examines the threat to security in the public, private and national arenas. The nature of espionage, subversion, sabotage, theft and hostage situations are also examined. The basic areas of protective security are personnel, material, physical and information security. Students also conduct risk/threat assessments and cover other areas such as inspections, audits, surveys and reviews; policy, procedures and controls; management aspects; legislation, case studies and models of security.

Courses: JS41
Credit Points: 12
Contact Hours: 3 per week

■ JSP063 INTELLIGENCE RESEARCH—ISSUES, PROCEDURES AND PRACTICE
Addresses major intelligence issues, intelligence and related security procedures and professional practices. The concept of intelligence in this unit is ‘that which confers an advantage’ in any professional context. Students apply process methodology in examining specific societal issues; in recognising different intelligence ‘research’ procedures for specific issues; and in practical analysis of selected issues, such as terrorism, illegal drugs, fauna smuggling, organised crime (operating in, or having the potential to operate in, Australia), corporate crime, community crime, environmental matters, illegal immigration, national defence and foreign intelligence activities.

Courses: JS41
Credit Points: 12
Contact Hours: 3 per week

■ JSP064 PROTECTIVE SECURITY—ISSUES AND PRACTICE
Personnel, material, physical and information security are the main areas with protective security. This unit covers the methods and techniques for the collection of information and its management and analysis. Students conduct formal audits and complete written reports on their findings. Planning and controlling the flow of information; macapa, scan and other analysis tools are studied.

Courses: JS41
Credit Points: 12
Contact Hours: 3 per week

■ JSP071 CORRECTIONS AND THE COMMUNITY 1
The forerunners of the custodial and community correctional systems and their influence are explored in respect to current correctional processes and philosophies. Contemporary conflicting models and their implications are examined.

Courses: JS41
Credit Points: 12
Contact Hours: 3 per week

■ JSP072 CORRECTIONS AND THE COMMUNITY 2
Contemporary formal and informal custodial and community corrections processes and procedures are presented. The interaction of correctional policies and community programs is discussed.

Courses: JS41
Credit Points: 12
Contact Hours: 3 per week

■ JSP073 CORRECTIONS AND THE COMMUNITY 3
The correctional setting and its impact on staff and inmates are examined. Special groups - their unique needs and treatment strategies - are discussed in the context of policies and procedures.
Courses: JS41
Credit Points: 12  Contact Hours: 3 per week

■ JSP024 CORRECTIONS AND THE COMMUNITY 4
Evaluation of alternative models of corrections is undertaken, and controversial issues explored. Fiscal constraints and administrative dilemmas according to international trends are examined and determination made as to the present and future effectiveness of the correctional system.
Courses: JS41
Credit Points: 12  Contact Hours: 3 per week

■ JSP081 LAW AND PUBLIC POLICY
An introduction to the theory and practice of public policy aimed at the requirements of justice professionals. This subject analyses policy formation, writing and implementation from the perspectives of the administrator undertaking the process and that of the community seeking to respond to government initiatives. This subject aims to provide students with tools for dealing in the public sphere and understanding the exercise of state power.
Courses: JS41
Credit Points: 12  Contact Hours: 3 per week

■ JSP082 LEGAL RIGHTS AND RESPONSIBILITIES
Society demands certain responsibilities from persons classed as adult. Rights and duties fall to the adult person in some of the most important aspects in the accepted lifestyle in our society in terms of housing, relationships and employment. These responsibilities will encompass the majority of adult life. A reasoned analysis of the legal responsibilities involved in housing, marriage and employment is essential.
Courses: JS41
Credit Points: 12  Contact Hours: 3 per week

■ JSP083 ADMINISTRATIVE LAW & JUSTICE
Mechanisms of state accountability, their practice and philosophy are examined in order to give justice professionals a working knowledge of their operation. Open government, fair decision-making and administrative justice are key concerns within this field. Merits review, judicial review, freedom of information and the ombuds office are all critiqued and their procedures considered in light of a greater framework of social justice.
Courses: JS41
Credit Points: 12  Contact Hours: 3 per week

■ JSP084 JUSTICE AND HUMAN RIGHTS
The political and philosophical constructions known as rights are becoming increasingly important in the Australian justice professions. Both international and domestic documents are analysed in order to develop a cohesive framework of rights in the justice domain. Policy considerations are explored and much of the other material covered in the minor is tied together in the context of human rights policy research.
Courses: JS41
Credit Points: 12  Contact Hours: 3 per week

■ LAB320 STUDIES IN LANGUAGE
The language basis in current approaches to the teaching of English; nature and function of language; dynamics involved in interactive situations; appropriateness of language forms used in various social contexts; educational implications of linguistic diversity within the community; recognition of the developmental features of adolescent language.
Course: ED50
Credit Points: 12  Contact Hours: 3 per week

■ LAB321 WRITING WORKSHOP
The student, as writer, uses all the language modes in social contexts (either genuine or simulated) to lead to writing in a range of situations. Engagement in these writing situations is designed to bring about personal understanding of the following: the nature of the writing process; the influence of audience and purpose on the final written product; the range of genres (or forms) falling within the writing activity.
Courses: ED50, ED51, ED52
Credit Points: 12  Contact Hours: 3 per week

■ LAB322 LITERATURE IN TEACHING
Literature teaching in historical perspective; recent developments in theory; poetry in the senior school; teaching drama in the senior school; teaching the novel in the senior school; shorter works (novellas, short stories) and their use in the English curriculum.
Course: ED50
Credit Points: 12  Contact Hours: 3 per week

■ LAB323 TEACHING ADOLESCENT LITERATURE
The scope and nature of young adult literature; strategies for evaluation and selection; recent research into adolescents' reading needs, interests and responses; using young adult books in the curriculum.
Course: ED50  Prerequisite: HUB100
Credit Points: 12  Contact Hours: 3 per week

■ LAB325 ENGLISH CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54
Prerequisites: Normally the completion of 48 credit points in each relevant discipline area.
Credit Points: 12  Contact Hours: 3 per week

■ LAB326 ENGLISH CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED54  Prerequisite: LAB325
Credit Points: 12  Contact Hours: 3 per week

■ LAB327 FILM & MEDIA CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54
Prerequisites: Normally the completion of 48 credit points in each relevant discipline area.
Credit Points: 12  Contact Hours: 3 per week

■ LAB328 FILM & MEDIA CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED54  Prerequisite: LAB327
Credit Points: 12  Contact Hours: 3 per week
**LAB329 LOTE CURRICULUM STUDIES**
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.

**Course:** ED50, ED54  
**Prerequisite:** Normally the completion of 48 credit points in each relevant discipline area.  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**LAB330 LOTE CURRICULUM STUDIES**
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.

**Course:** ED50, ED54  
**Prerequisite:** LAB329  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**LAB331 LANGUAGE PROGRAMMING & ASSESSMENT**
Development of an understanding and ability to design programs for promoting and monitoring individual language development through the study of: a structure and process for programming; objectives as a framework for programming and assessment; language resources for classroom use; classroom program development; and monitoring effectiveness.

**Course:** ED50, ED51  
**Prerequisite:** LAB338  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**LAB332 CHILDREN'S LITERATURE IN THE PRIMARY CURRICULUM**
Explorations of the role of children's literature in the primary school; criteria for selecting children's literature; exploration of the various literary genres; leading to the use of literature as an integrating device in the development of programs in the primary school.

**Course:** ED51  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**LAB333 LANGUAGE IN KEY LEARNINGS**
The relationship between language and learning; the role of language across the curriculum; language in critical literacy and assessment.

**Course:** ED51  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**LAB334 PRIMARY LOTE CURRICULUM STUDIES**
This unit introduces concepts and skills in LOTE curriculum and methodology and prepares appropriately qualified students to teach French, German, Indonesian or Japanese in the upper primary school.

**Course:** ED51  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**LAB336 LINGUISTICS IN TEACHING**
This unit complements LAB335 by providing a systematic study of linguistics, and in particular Systemic Functional Linguistics, in a range of language learning settings at home and at school.

**Course:** ED51  
**Prerequisite:** LAB335  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**LAB337 WORKSHOP FOR WRITERS**
Develops an understanding and ability to compose a range of texts for presentation in spoken, written, dramatic or audiovisual presentation. Students are involved in: the exploration of relevant personal and social issues; the composition and critical analysis of a range of texts; and reflection upon the language features and processes appropriate for composing and presenting effective texts.

**Course:** ED51  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**LAB338 CLASSROOM LANGUAGE LEARNING**
Promotes an understanding and ability to develop language learning activities, process and strategies through the study of: a functional view of language; the concept of genre; the child as a language learner; resources for language learning; strategies for promoting mastery of genre and associated language.

**Course:** ED51  
**Prerequisite:** EDB324  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**LAB339 ADULT LITERACY AND SECOND LANGUAGE LEARNERS**
Explores the special literacy needs of second language learners and investigates teaching approaches which recognise these needs and develop cross-cultural awareness and communication strategies. Topics include a comparison of first and second language literacy; the relationship between second language tracy and literacy; issues in cross-cultural communication; the literacy impact for non-English speaking background learners of current policy initiatives and workplace practices. Needs analysis in second language literacy course design.

**Course:** ED54  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**LAB340 LANGUAGE, TECHNOLOGY & EDUCATION**
Foundational perspectives on language, technology and communication in educational contexts; language as functional system and social semiotic; educational implications of the interconnections among language, technology, discourse and power; the student as reader and writer of academic prose; introduction to the language and technology of instruction.

**Course:** ED50  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**LAB341 LANGUAGE, TECHNOLOGY AND EDUCATION**
Foundation unit concerned with language, literacies and technology in educational and worldwide contexts. Contemporary views of language and technological literacies as social activities are explored. Educational implications of the interconnections between technology, language discourse and power are applied to educational setting. The uses of language discourse and power are applied to educational settings. The use of language and technology in instruction is introduced. Unit is offered by the Schools of Language, Literacy and Education and Maths, Science and Technology Education.

**Course:** ED50  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**LAB342 LANGUAGE AND MATHEMATICS CURRICULUM I**
This unit consists of two half units on language and mathematics education. In the language section, students will explore the theory related to reading and viewing a variety of texts, and will build strategies and resources appropriate for the primary classroom. The mathematics section will provide frameworks for teaching mathematics and techniques for teaching number (whole number, fractions, decimals and operations) and working mathematically (problem solving).

**Course:** ED51  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**LAB343 LANGUAGE AND MATHEMATICS CURRICULUM II**
This unit complements Language and Mathematics Curriculum I and consists again of two half units of language and mathematics education. The language com-
ponent of this unit explores the theory, strategies and resources for writing, speaking and listening in a range of genres in a variety of social settings. The mathematics section focuses on particular techniques for teaching the strands of space (shape, size and position), measurement (length, area, etc.) and chance and data (statistics, graphs and probability).

Course: ED51
Credit Points: 12
Contact Hours: 3 per week

LAB344 LANGUAGE AND LITERACY FOUNDATIONS
This unit will introduce students to the nature and development of language and literacy in the contexts of the community, the university and the school. Topics will include: the nature and function of language; theories of language and literacy acquisition; intergenerational and situational literacies; the registers of school language; the nature and scope of text types used in the classroom, the university and the community; the social and personal implications of the development and attainment of literacy proficiency, including academic literacy.

Course: ED51
Credit Points: 12
Contact Hours: 3 per week

LAB345 LOTE/SECOND LANGUAGE FOUNDATIONS
This unit will focus on first and second language development; cross-cultural communication; Australia's immigrant and indigenous language communities; the needs of second language/second dialect learners, and procedures necessary for the maintenance or development of bilingualism and bidialectalism in school age populations.

Course: ED51
Credit Points: 12
Contact Hours: 3 per week

LAB410 LANGUAGE CURRICULUM ISSUES
A critical examination of the issues underpinning language education today and an action research project into classroom innovation or a detailed child study of language development.

Course: ED51
Credit Points: 12
Contact Hours: 3 per week

LAB411 ADVANCED STUDIES IN FILM AND MEDIA CURRICUM
This unit will examine the classroom implications of new policies and curriculum changes in Media Education. These include the relation of the QDE 1-10 Media Education Guidelines to other curriculum areas such as Arts, English, Social Science and Technology Education and the programming implications of such Film and Media Curriculum issues as audience effects, representation, media ownership and institutions, multimedia technologies and critical literacies.

Course: ED50
Credit Points: 12
Contact Hours: 3 per week

LAB412 ADVANCED STUDIES IN ENGLISH, ESL CURRICULUM
This unit will focus in more depth on selected issues related to the teaching of English and English as a Second Language in the secondary school. Topics will include: literature and popular culture in the classroom; materials development for non-native speakers of English; language, multiculturalism and ideology; school to work transition programs; contemporary issues in language education, linguistics and cultural studies.

Course: ED50
Credit Points: 12
Contact Hours: 3 per week

LAB413 PROGRAMMING AND ASSESSMENT IN LANGUAGE AND MATHEMATICS
The focus of this unit is on designing programs/units to promote and monitor individual language and mathematics development. This unit will bring perspectives from critical theory to the linked processes of program design and assessment in primary language and mathematics. In particular, the unit will examine the effects of technological change and current reporting practices on unit development, pedagogy and assessment. This includes developing an understanding of the principles and processes involved in planning the effective use of a range of language and math resources for use in classrooms. A range of techniques and instruments for monitoring development will be explored. These will be related to reporting techniques such as the Student Performance Standards.

Course: ED51
Credit Points: 12
Contact Hours: 3 per week

LAB414 ADVANCED TOPICS IN LANGUAGE EDUCATION
This unit will provide students with the opportunity of exploring in more detail literature and language-related curriculum issues in the primary school. Topics will include literature and popular culture in the classroom; language and gender; language, multiculturalism and ideology; the student as linguistic ethnographer.

Course: ED51
Credit Points: 12
Contact Hours: 3 per week

LAB440 RECENT DEVELOPMENTS IN THE TEACHING OF WRITING
Development of writing in the light of the language in use model, recent research, and classroom practice. It is designed for the P-12 teacher. Students are expected to develop their own folio of writing, an understanding of current approaches to writing curriculum, and writing programs for their classrooms.

Course: ED26
Credit Points: 12
Contact Hours: 3 per week

LAB441 CHILDREN'S LITERATURE
Evaluative criteria in children's literature; genres; teaching strategies for promoting the use of children's literature; reader response theories.

Course: ED26, ED51, ED52
Prerequisites: Language arts and literature studies at Diploma of Teaching level

LAB443 TRENDS IN THE TEACHING OF READING
Provides students with the opportunity to extend their understanding of the reading process; examines current views about reading in order to identify key concepts of the theory; implications for classroom practice are drawn; identifies factors which influence readers and texts; the roles these play in the understanding of the meanings made; develops learning situations based on these understandings.

Course: ED26
Prerequisites: Studies in the teaching of reading at Diploma of Teaching level

LAB446 GRAMMAR FOR WRITERS
Designed to help teachers develop some systematic knowledge about language and grammar in particular. It looks at the questions: What is grammar? What grammars are available to us? It then focuses in some detail on systemic functional grammar.

Courses: ED26, ED51, ED52
Prerequisites: Studies in the teaching of reading at Diploma of Teaching level

LAN608 SECOND LANGUAGE ACQUISITION
Research into second language acquisition is providing
new insights into the complex processes involved in natural and instructed language development. This unit extends participants’ knowledge of research into, and theories of, second language acquisition, and explores pedagogical implications and the relevance of research and theories to the enhancement of second language acquisition and learning.

Courses: ED14, ED77 Credit Points: 12

- **LAN609 ISSUES IN LANGUAGE AND LITERACY TEACHING**
  This unit provides an understanding of the historical, theoretical, conceptual and research bases of program development and classroom instruction in English language and literacy.
  Courses: ED11, ED13 Credit Points: 12

- **LAN611 ADULT AND WORKPLACE LITERACY AND NUMERACY**
  An exploration of how the field of adult literacy and numeracy has evolved; the changing nature and roles of literacies and numeracies in contemporary societies; how literacy and numeracy practices are embedded in particular settings, e.g. workplaces, and how cultural, political and economic factors impinge on adult literacy and numeracy learning in different contexts.
  Courses: ED13, ED11, ED77 Credit Points: 12

- **LAN612 PRINCIPLES OF SECOND LANGUAGE METHODOLOGY**
  The range of approaches to second language learning and the theories of language and learning which underpin them. Theories of language and learning and their implications for TESOL; the social context of learning and its impact on methodological decision-making; current approaches and methods in TESOL; the roles of teachers and learners in the TESOL classroom.
  Courses: ED14, ED77 Credit Points: 12

- **LAN613 SECOND LANGUAGE CURRICULUM DESIGN OPTIONS**
  The factors which influence teachers in the development of language programs. Includes analysis of the following areas: learner profiles and needs; aims and objectives; processes and criteria for selecting methodology; content selection and sequencing; choice and evaluation of materials and resources.
  Courses: ED14, ED77 Credit Points: 12

- **LAN614 RESEARCH METHODS IN SECOND LANGUAGE EDUCATION**
  This unit will introduce students to methods and techniques which are used by classroom teachers and language educators to undertake small and large scale research projects and to report research findings in journals and other publications.
  Courses: ED14, ED77 Credit Points: 12

- **LAN615 DIRECTED READING IN SECOND LANGUAGE EDUCATION**
  This unit provides an opportunity for teachers and others involved in TESOL to review current research articles to gain an overview of developments in TESOL/ Applied Linguistics and to explore one or two personal interest areas in greater depth.
  Courses: ED14, ED77 Credit Points: 12

- **LAN616 LANGUAGE ASSESSMENT AND PROGRAM EVALUATION IN TESOL**
  Theories and practices in program evaluation, language testing and proficiency assessment. It examines and evaluates standardised tests and instruments which are used to assess the English language proficiency of speakers for whom English is a second language.
  Courses: ED14, ED77 Credit Points: 12

- **LAN617 PERSONALISED LANGUAGE DEVELOPMENT**
  Language learning is a lifelong task. This unit allows teachers to take a program of language development aimed at improving their level of proficiency and enhancing their cultural awareness. Students wishing to take this unit should discuss options with the Coordinator.
  Courses: ED14, ED77 Credit Points: 12

- **LAN618 TECHNOLOGY AND SECOND LANGUAGE LEARNING**
  The twentieth century has seen a rapid change in the technology available to language teachers. An exploration of the creative teaching potential of this technology in areas such as computer enhanced language learning (CEL), interactive multimedia (including CD-ROM and video disc) and the use of linear video, word processing and audio materials. The unit will also explore access to and pedagogical uses of electronic communication such as e-mail, list servers and bulletin boards.
  Courses: ED14, ED77 Credit Points: 12

- **LAN619 DISCOURSE ANALYSIS**
  When we use language to enact our everyday lives, to teach and to learn, we use texts to do so. This unit provides a means for analysing and understanding how texts make meaning linguistically. Students will engage in analysis and discussion of text level meaning via genre, register and cohesion; clause level meaning via Transitivity; Mood and Theme/ Rheme; group level meaning making via nominal, verbal and prepositional groups, and the significant linguistic features of written as contrasted with spoken language.
  Courses: ED14, ED77 Credit Points: 12

- **LAN620 LANGUAGE AND CULTURE**
  The relationship between language and culture; that is, how language is a social phenomenon, the use of which varies according to context. This close relationship is particularly relevant in crosscultural settings such as the ESL classroom.
  Courses: ED14, ED77 Credit Points: 12

- **LAN621 TEXTUAL AND CULTURAL STUDIES FOR ENGLISH EDUCATION**
  A critical study of recent literary and cultural theories, curricular and teaching materials leads students to consider how curricula and pedagogy, teachers and learners have been variously constituted according to theoretical discourses of textuality and culture.
  Courses: ED13, ED11 Credit Points: 12

- **LAN622 FUNCTIONAL GRAMMAR AND DISCOURSE**
  An introduction to functional grammar and discourse semantics. These provide tools for analyses of how texts make meaning—whether spoken or written, whether for pedagogical or research purposes.
  Courses: ED11, ED13 Credit Points: 12 Contact Hours: 3 per week

- **LAP401 ENGLISH CURRICULUM STUDIES 1**
  Introduction to English curriculum and its role in secondary education; examination of relevant English syllabuses and demonstration of ways to translate language learning principles into lesson plans and curriculum units.
  Course: ED37 Credit Points: 12 Contact Hours: 3 per week

- **LAP402 ENGLISH CURRICULUM STUDIES 2**
  Continuation of LAP401. Content, processes and materials appropriate to the planning and implementation of...
English programs; methods of assessment; current professional issues in English teaching.

Course: ED37  Prerequisite: LAP401  
Credit Points: 12  Contact Hours: 3 per week

LAP403 LOTE CURRICULUM STUDIES 1
Current theories and practice in LOTE teaching/learning with particular reference to the Queensland context.
Course: ED37  
Credit Points: 12  Contact Hours: 3 per week

LAP404 LOTE CURRICULUM STUDIES 2
Continuation of LAP403. Development of a practical theory of teaching based on an understanding of the LOTE context in Queensland; development of language programs and teaching resources which are responsive to the diverse needs of learners.
Course: ED37  Prerequisite: LAP403  
Credit Points: 12  Contact Hours: 3 per week

LAP405 FILM & MEDIA CURRICULUM STUDIES 1
Introduction to the Film and Media curriculum and its role in secondary education; examination of relevant media syllabuses and demonstration of ways to translate concepts in media education into lesson plans and curriculum units.
Course: ED37  
Credit Points: 12  Contact Hours: 3 per week

LAP406 FILM & MEDIA CURRICULUM STUDIES 2
Continuation of LAP405. Content, processes and materials appropriate to the planning and implementation of Media Studies programs; methods of assessment; current professional issues in media teaching.
Course: ED37  Prerequisite: LAP405  
Credit Points: 12  Contact Hours: 3 per week

LAP407 ENGLISH AS A SECOND LANGUAGE CURRICULUM STUDIES 1
Introduction to the design and development of curriculum, materials and resources to meet the general and specific needs of learners who are non-native English speakers and who require higher English language proficiency levels for study purposes.
Course: ED37  
Credit Points: 12  Contact Hours: 3 per week

LAP408 ENGLISH AS A SECOND LANGUAGE CURRICULUM STUDIES 2
Continuation of LAP407 showing students how curriculum, materials and resources are implemented through appropriate approaches, methodologies and techniques for individuals, groups or whole classes of learners who are non-native speakers of English.
Course: ED37  Prerequisite: LAP407  
Credit Points: 12  Contact Hours: 3 per week

LAP409 PRIMARY LOTE CURRICULUM STUDIES 1
Current theory and practice in LOTE teaching/learning in the primary school with particular emphasis on the intellectual, physical, emotional and social needs of young learners and the need for teaching approaches drawn from general educational theory together with an understanding of second language acquisition.
Course: ED37  
Credit Points: 12  Contact Hours: 3 per week

LAP410 PRIMARY LOTE CURRICULUM STUDIES 2
Continuation of LAP409. Content, processes and materials appropriate to the planning and implementation of LOTE programs in the primary school which integrate culture and language, articulate with the rest of the primary curriculum, and in which learners become more interested in, and aware of, languages and cultures other than their own.
Course: ED37  
Credit Points: 12  Contact Hours: 3 per week

LAP440 LANGUAGE & LITERACY 1
The role of language in society; how language changes according to the purpose for which it is used as well as the social and cultural contexts; the functions and structure of a range of genres; the contribution of the home to children's language development.
Course: ED36  
Credit Points: 12  Contact Hours: 3 per week

LAP441 LANGUAGE & LITERACY 2
Development of a range of strategies/activities which promote language learning in a classroom; techniques/instruments for observing and monitoring language growth. Preparation and development of a unit of language experiences for a class.
Course: ED36  Prerequisite: LAP440  
Credit Points: 12  Contact Hours: 3 per week

LAP501 FOUNDATIONS OF TEACHER-LIBRARIANSHIP
Philosophy and theories of teacher-librarianship and interpersonal communication necessary to be responsive to the needs of school communities and emerging educational trends.
Course: ED25  
Credit Points: 12  Contact Hours: 3 per week

LAP502 CURRICULUM & RELATED RESOURCES
Current curricula P-12: content and processes; evaluative criteria for the selection of materials across the curriculum; basic reference and information sources; collection development.
Course: ED25  
Credit Points: 12  Contact Hours: 3 per week

LAP503 LITERATURE & LITERACY: RESOURCES & STRATEGIES
Resources and strategies for teacher-librarians to enable them to work with teachers in language across the curriculum; developmental approach to reading and the selection of materials; genre studies; reader response theories; promotion strategies.
Course: ED25  
Credit Points: 12  Contact Hours: 3 per week

LAP504 SCHOOL LIBRARY RESOURCES: ORGANISATION & ACCESS
School library administration and organisation systems, including computer applications; bibliographic organisation and implications for self-directed learning; organisation and maintenance of, and access to, resources including equipment; field program, including school experience (three weeks).
Course: ED25  
Credit Points: 12  Contact Hours: 3 per week

LAP505 COMMUNICATION & MANAGEMENT IN SCHOOL LIBRARY RESOURCE CENTRES
Studies in management of school library resource centres; goal setting; time management, communication models; interpersonal and organisational communication patterns; problem solving and conflict management; innovation, intervention and change; advocacy and promotion; writing for a purpose.
Course: ED25  Prerequisite: LAP501  
Credit Points: 12  Contact Hours: 3 per week

LAP506 INFORMATION SERVICES FOR SCHOOLS
Implications of the information age; advanced reference...
skills; computer-based information services with in-depth study of two, selected by the student.
Course: ED25 Prerequisites: LAP502
Credit Points: 12 Contact Hours:

LAPS07 AUSTRALIAN LITERATURE FOR YOUNG PEOPLE
Course: ED25 Credit Points: 12

LAPS09 DIRECTED STUDY
An individually designed unit which allows students, under the staff supervision, to increase their knowledge relevant to teacher-librarianship.
Course: ED25 Credit Points: 12

LAPS10 INTERACTIVE TECHNOLOGIES IN INSTRUCTION
Interactive communications and resources; videodisc; teleconferencing; computer conferencing; electronic mail; planning an instructional program.
Course: ED25 Credit Points: 12 Contact Hours:

LAPS11 LITERACY EDUCATION & LIBRARIES
Educational role of libraries; literacy and basic education programs; literacy resource collections; multicultural library services; international developments.
Course: ED25 Credit Points: 12

LAPS12 LITERATURE FOR YOUNG PEOPLE
Historical development of imaginative literature; evolution of books for young people in present social and cultural contexts; writers and illustrators from European, Commonwealth and American countries; teaching strategies for eliciting reader responses.
Course: ED25 Credit Points: 12

LAPS13 MEDIA LITERACY & THE SCHOOL
Mass media communication processes and their implications for teaching and learning; semiotics; influences of media on people; advertising and mass media research techniques; media ownership issues; future trends in mass media technologies.
Courses: ED25, ED51, ED52 Credit Points: 12

LAPS14 REFERENCE SERVICES & MATERIALS
Extension of studies in reference and information services relevant to schools; reference interview; using an existing school's resource collection; knowledge and use of information agencies and services external to the school. External with three-day study school or six two-hour evening sessions.
Course: ED25 Credit Points: 12

LAPS15 RESOURCE SERVICES FOR SPECIAL NEEDS
Resource services designed for students with special needs relating to physical or intellectual impairments, socio-economic or cultural circumstances; the theory and practice of mainstreaming; the inclusive School Resource Centre.
Course: ED25 Prerequisite: LAP502
Credit Points: 12

LAPS16 SPECIAL SEMINAR
Study of a specific aspect of teacher-librarianship, the unit to be determined by the University according to need and/or the availability of special expertise.
Course: ED25 Credit Points: 12

LAPS17 STORYTELLING
Function of the story and storytelling in learning and teaching; preparing, developing and delivering stories; resources; storytelling across the curriculum.
Course: ED25, ED51, ED52 Credit Points: 12 Contact Hours: 3 per week

LAPS18 VISUAL LITERACY & RESOURCE DESIGN
Visual literacy; learning styles; interpretation; design and evaluation of visually-based resources.
Course: ED25 Credit Points: 12

LEB304 CHILDREN WITH SOCIAL & EMOTIONAL DIFFICULTIES
The overview of social and emotional development, theories of social and emotional development; adult-child relationships and issues of authority and discipline; the socialisation of emotions, expression of emotions, emotional disturbances; self-concept and self-esteem. One of four subjects which offer enhanced background in the inclusion of children with disabilities and learning difficulties.
Course: ED51, ED52 Credit Points: 12 Contact Hours: 3 per week

LEB305 UNDERSTANDING CHILDREN WITH INTELLECTUAL DISABILITIES
Introduction to intellectual impairment, cognitive development, delay; slow learners and the most prevalent conditions which include a degree of cognitive handicap; theory and practice relating to classroom responses in regular settings; assessment of functional attainments and planning learning in basic curriculum areas; second of four subjects which offer enhanced background in the inclusion of children with disabilities and learning difficulties.
Course: ED51, ED52 Credit Points: 12 Contact Hours: 3 per week

LEB331 TEACHING CHILDREN WITH LOW INCIDENCE DISABILITIES
Introduction to a wide range of low incidence exceptionalities (e.g. sensory impairments, developmental delay and health impairments such as Epilepsy, Asthma and Hepatitis, etc.); methods of managing associated disabling conditions; implementation and evaluation of programming; support and referral services.
Courses: ED50, ED51, ED52, ED54, ED37 Credit Points: 12 Contact Hours: 3 per week

LEB332 TEACHING EXCEPTIONAL STUDENTS
Integrates a basic understanding and application of learning theory as it applies to exceptional populations. Focuses on approaches to teaching particular exceptional groups. Provides an opportunity for development of specialist skills and resources in one of the following areas: (a) students with learning difficulties; (b) gifted students; (c) students with low incidence disabilities, e.g. hearing impaired, visually impaired or physically handicapped; (d) behaviourally or emotionally disturbed students.
Courses: ED50, ED51, ED52, ED54, ED37 Credit Points: 12 Contact Hours: 3 per week

LEB333 ADULT LEARNING AND DEVELOPMENT
The psychological foundations of human learning and development with special emphasis on adults. Contemporary theories and research issues such as cognition and learning, the effect of motivation on learning, understanding group dynamics, self-identity development, and creating effective learning environments will be explored.
Course: ED54 Credit Points: 12 Contact Hours: 3 per week
LEB334 ACQUISITION AND ADAPTABILITY OF WORKPLACE KNOWLEDGE AND SKILLS
Explores the underlying theoretical constructs which may enhance the acquisition of knowledge and skills. In accord with the National Training Reform Agenda, issues such as multi-skilling, contextualised learning, intervention to accelerate performance, and transfer of knowledge and skill are addressed.
Course: ED54
Credit Points: 12  Contact Hours: 3 per week

LEB335 HUMAN DEVELOPMENT & EDUCATION
Life span development for students interested in early childhood, primary or secondary. Theoretical perspectives that underpin human development, exceptional development, and the concept of inclusive education.
Courses: ED50, ED51, ED52
Credit Points: 12  Contact Hours: 3 per week

LEB336 PSYCHOLOGY OF LEARNING & TEACHING
Courses: ED50, ED51, ED52, ED53
Credit Points: 12  Contact Hours: 3 per week

LEB337 GIFTED LEARNERS
This unit provides a framework for understanding and evaluating the needs of gifted learners. It emphasises identification, learning and teaching styles, sound emotional issues, research findings and resources associated with gifted learners. Provision is also made for some practicum work with gifted learners.
Courses: ED37, ED50, ED51, ED52, ED54
Credit Points: 12  Contact Hours: 3 per week

LEB338 THE INDIVIDUAL IN ADULT AND WORKPLACE EDUCATION
Tailoring instruction to the needs and strengths of individuals and acquiring confidence in planning, organising and implementing learning experiences. The focus ranges from setting up initial meetings to creating responsive positive learning environments and evaluating outcomes in terms of individual learners.
Course: ED54
Credit Points: 12  Contact Hours: 3 per week

LEB420 INTERPERSONAL PSYCHOLOGY IN EDUCATION
Historical development and major principles of interpersonal psychology; concepts related to the formation and development of interpersonal relationships; particular concepts and their application to education; interpersonal relationships with exceptional students; emotionality: models of effective teaching; self-concept; small group development; applications of interpersonal psychology. Study school for external students strongly recommended.
Course: ED26
Credit Points: 12  Contact Hours: 3 per week

LEB421 APPLIED STRATEGIES IN CLASSROOM LEARNING
Teachers as researchers; contemporary approaches to exploring classroom interaction and teaching/learning processes; teacher communication and expectancy effects; promoting cooperative learning; learning and teaching styles; teachers’ concepts of teaching and reflective processes.
Course: ED26
Credit Points: 12  Contact Hours: 3 per week

LEB430 CREATIVITY IN PROBLEM SOLVING
Creativity is an often advocated, loosely discussed, presumed phenomenon much sought after as an educational objective both in general and as curriculum specific. This unit familiarises students with the history of this concept’s emergence, its definitional problems, current theories and models, and aims to ensure that their presentation promotes the concept as an aspect of problem solving in personal development and pedagogical applications.
Course: ED26
Credit Points: 12  Contact Hours: 3 per week

LEB431 INTERACTIVE TEACHING STRATEGIES
Interactive Teaching Strategies offer alternatives to whole-class or lecture methods of presentation, and can be used with any age level and in any content area (K-12, TAFE, UNI). They increase confidence, enthusiasm, and enjoyment of learning; insure less separation due to race, gender, ethnicity, or status; make learning relevant to individual experience, and invite the use of higher order thinking skills. This is a practical, hands-on subject, structured according to principles of adult learning, a workshop format with contract-based assessment.
Course: ED26, ED51
Credit Points: 12  Contact Hours: 3 per week

LEB441 EDUCATIONAL COUNSELLING
The nature of counselling/helping in educational contexts; the educator as counsellor; characteristics of effective helpers, practical development of communication skills, building an empathic relationship; structuring the counselling process; application of some counselling theories to the educational contexts; practical sessions using educationally based role plays to demonstrate effective use of the skills learned. Compulsory study school for external students. Incompatible with Studies in Counselling or equivalent at Diploma of Teaching level.
Courses: ED26, ED37, ED50, ED51, ED52, ED54, ED61
Credit Points: 12  Contact Hours: 3 per week

LEB442 ADVANCED EDUCATIONAL COUNSELLING
The major theoretical approaches to counselling are applied to problems and concerns arising in the educational context. Theories include: Psychoanalytic, Gestalt, Behavioural, Rational-Emotive, and Reality Therapy. Skills and techniques associated with each major theory are presented and related to educationally based problems and concerns. The effects and outcomes of counselling interventions.
Course: ED26
Credit Points: 12  Contact Hours: 3 per week

LEB443 HUMAN SEXUALITY & LEARNING
Key topics in sexual behaviour and learning such as heterosexual and homosexual sexuality across the life span, contraception, abortion, STDs, child sexual abuse, sexual assault, pornography. Implications for school, community, and health-care workers and educators, with emphasis on the former. Compulsory two-day study school for external students.
Courses: ED26, ED50, ED51, ED52, ED54, NS40, NS48
Credit Points: 12  Contact Hours: 3 per week
• **LEB444 HUMAN SEXUALITY AND DEVELOPMENT**
  Medical, legal, and developmental issues in human sexual behaviour related to sexuality and disability, illness, infertility and its options, pregnancy and birthing, sexuality and aging, sexual dysfunction, transsexuality, and HIV/AIDS. Implications for school, community and health-care workers and educators, with emphasis on the latter. Compulsory two-day study school for external students.
  Course: ED26, ED50, ED51, ED52, ED54, NS40, NS48
  Prerequisite/Corequisite: LEB443
  Credit Points: 12  Contact Hours: 3 per week

• **LEB445 STUDIES IN ALCOHOL & OTHER DRUGS**
  Drug use, misuse and abuse covers a very wide range of substances and situations. This unit, rather than focusing on lurid details of the street drug scene, aims at developing an awareness that supportive elements contributing to an overall drug education strategy need to be found in every part of the curriculum. While a range of strategies is encountered, some may not even mention drugs while others may help young people handle specific situations.
  Course: ED26
  Credit Points: 12  Contact Hours: 3 per week

• **LEB446 PSYCHOEDUCATIONAL ASSESSMENT**
  Assessment techniques and strategies in the educational context; assessment of intelligence, academic skills, aptitude, personality; reliability, validity, test construction and standardisation procedures; the process of administering assessment instruments in schools; interpretation of test results and assessment data; using assessment data in programming and placement in educational institutions.
  Course: ED26
  Credit Points: 12  Contact Hours: 3 per week

• **LEB448 WORKING IN TEAMS**
  Teachers, administrators, students, parents and other professionals in education, health, welfare, and law often work together in different team situations. Individual and group processes that lead to effective team building and teamwork within schools or between agencies are studied, along with practical applications relevant to professionals taking this unit.
  Course: ED26
  Credit Points: 12  Contact Hours: 3 per week

• **LEB480 RESEARCH METHODS IN EDUCATION**
  Development of an awareness and understanding of the research process for a historical, sociocultural, ethical and theoretical perspective; the validity, applicability and suitability of various research strategies for specific educational endeavours; comprehension and evaluation of research findings drawn from a variety of perspectives, paradigms and methodologies; development of skills to conduct research appropriate to answer questions.
  Courses: ED23, ED24, ED26, ED37, ED50, ED51, ED52, ED54
  Credit Points: 12  Contact Hours: 3 per week

• **LEN602 ADVANCED EDUCATIONAL COUNSELLING**
  The major theoretical approaches to counselling are applied to problems and concerns arising in the educational context. Theories outlined include Psychoanalytic, Adlerian, Existential, Person-Centred, Gestalt, Transactional Analysis, Behaviour, Rational-Emotive, and Reality. Skills and techniques associated with each major theory will be presented and related to educationally based problems and concerns. The effects and outcomes of counselling interventions will be investigated and ethical issues will be addressed.
  Courses: ED13, ED11, ED61
  Prerequisites: LEB441  Credit Points: 12  Incompatible with: LEB442

• **LEN603 EDUCATIONAL COUNSELLING PROFESSIONAL PRACTICE**
  Professional practices of educational counsellors working in the P-12 context; intervention, prevention, affective, and developmental programs discussed; adolescent issues and career counselling outlined; consultation: models, theories and practices; self-management skills highlighted: time management, program evaluation, accountability and decision-making discussed.
  Courses: ED13, ED11, ED61  Credit Points: 12

• **LEN604 PSYCHOEDUCATIONAL ASSESSMENT**
  Assessment techniques and strategies; assessment of intelligence, academic skills, aptitude, personality; reliability, validity, test construction and standardisation procedures; the process of administering assessment instruments; interpretation of test results and assessment data; using assessment data in programming and placement.
  Courses: ED13, ED11  Credit Points: 12

• **LEN605 LEARNERS WITH SPECIAL NEEDS: PROGRAMMING FOR INCLUSIVE EDUCATION**
  Special educational needs of children in early childhood, school (P-12) and post-secondary settings arising from physical, cognitive, behavioural and socio-cultural differences; developmental screening; diagnosing student functioning in cognitive, social-emotional, self-help and motor skill areas; programming and curriculum decision making for children with special needs; techniques of informative and summative assessment appropriate to student learning needs; strategies for inclusive education; roles and models of support and advisory personnel including in-service strategies.
  Courses: ED13, ED11  Credit Points: 12

• **LEN606 REMEDIATING OF LEARNING DIFFICULTIES**
  In-depth review of research of the impact of learning disabilities/difficulties and developmental delay on the learning of literacy from years 1-12 in and post-secondary education; studies in language and its use in learning; assessment and monitoring techniques and approaches to literacy acquisition by students with learning difficulties/disabilities. Draws on developments in areas such as sociolinguistics, psycholinguistics, metacognition and process approaches to literacy and learning within an inclusive education framework.
  Courses: ED13, ED11  Credit Points: 12

• **LEN607 CAREER EDUCATION AND CAREER GUIDANCE**
  Focus on career planning as a lifelong process, emphasising that education and guidance programs focus on skill development for repeated decision-making throughout the lifespan; the background and influence of career development theory; the complementary relationship between career education and career guidance. Educator and counsellor skills necessary to enable students to effectively assist career development are included.
  Courses: ED13, ED11  Credit Points: 12

• **LEN608 FOUNDATIONS OF ADULT LEARNING AND DEVELOPMENT**
  Provides students with an opportunity to develop an understanding of the complex nature of the adult learning and development process. This is achieved by ex-
posing students to contemporary theories and strategies in adult learning and development and extending their knowledge to the adult and workplace environment. Key concepts such as the motivation, self-directed learning and knowledge construction are addressed. Special emphasis is placed on transferring the theory to practice.

Courses: ED13, ED11
Credit Points: 12

■ LEP413 HUMAN DEVELOPMENT & LEARNING
An analysis of human development through the life span; exploration of how students learn; factors influencing effective learning and teaching.
Courses: ED35, ED36, ED37
Credit Points: 12
Contact Hours: 3 per week

■ LEP523 LEARNERS WITH SPECIAL NEEDS
Special educational needs of school (P-12) and TAFE college learners arising from cognitive, behavioural, sociocultural and physical disabilities and differences; learners with special educational needs; developing teaching/learning strategies suited to learners’ needs. Participation in fieldwork experiences involves the investigation of the resource/support teaching/learning strategies suited to learners’ needs.
Courses: ED28, ED61
Credit Points: 12
Contact Hours: 3 per week

■ LEP524 DEVELOPING RELATIONSHIPS & GROUPS
Overview of concepts relating to a model of interpersonal relationships; study of some human relationships concepts such as verbal and non-verbal interpersonal communication, power, influence, authority/control, trust and mistrust, confrontation and constructive resolution of conflict; interviewing and consulting skills; self-concept studies; collaborative teaching and team building; student and teacher stress; assertion-related theory and skills; resource teachers as change agents for inclusive education.
Courses: ED28, ED61
Credit Points: 12
Contact Hours: 3 per week

■ LEP525 REMEDIATING LEARNING DIFFICULTIES
Review of significant learning difficulties among learners in schools (Years 4-12) and post-secondary education in the areas of language/learning demands of the curriculum; composing and comprehending tasks as they relate to curriculum demands; test-wiseness, note-taking, organisation, examination stress; application of the content is strongly based on an adjunct model of service delivery.
Courses: ED28, ED61
Credit Points: 12
Contact Hours: 3 per week

■ LEP526 STUDY SKILLS, LITERACY & LEARNING
Review of significant learning difficulties among learners in schools (Years 1-12) and post-secondary education; foundation studies in language and learning; assessment and monitoring of literacy related curriculum tasks; test interpretation and development; related approaches to teaching, informed by principles derived from psycholinguistics, metacognition and process approaches to literacy; adjunct model of service delivery.
Course: ED28
Credit Points: 12
Contact Hours: 3 per week

■ LPN300 RESEARCH DISSERTATION
A research dissertation of approximately 20,000 words. It is expected that the research dissertation relates to one of the core unit areas covered in the Graduate Diploma in Legal Practice and have an applied law orientation. Unit may be undertaken in various loads.
Credit Points:
LPN300 = 24 credit points per semester
LPN301 = 48 credit points per semester
LPN302 = second 24 credit points per semester
LPN303 = 12 credit points per semester
LPN304 = second 12 credit points per semester

■ LPN301 RESEARCH DISSERTATION
A research dissertation of approximately 20,000 words. It is expected that the research dissertation relates to one of the core unit areas covered in the Graduate Diploma in Legal Practice and have an applied law orientation. Unit may be undertaken in various loads.
Credit Points:
LPN300 = 24 credit points per semester
LPN301 = 48 credit points per semester
LPN302 = second 24 credit points per semester
LPN303 = 12 credit points per semester
LPN304 = second 12 credit points per semester

■ LPN302 RESEARCH DISSERTATION
A research dissertation of approximately 20,000 words. It is expected that the research dissertation relates to one of the core unit areas covered in the Graduate Diploma in Legal Practice and have an applied law orientation. Unit may be undertaken in various loads.
Credit Points:
LPN300 = 24 credit points per semester
LPN301 = 48 credit points per semester
LPN302 = second 24 credit points per semester
LPN303 = 12 credit points per semester
LPN304 = second 12 credit points per semester

■ LPN303 RESEARCH DISSERTATION
A research dissertation of approximately 20,000 words. It is expected that the research dissertation relates to one of the core unit areas covered in the Graduate Diploma in Legal Practice and have an applied law orientation. Unit may be undertaken in various loads.
Credit Points:
LPN300 = 24 credit points per semester
LPN301 = 48 credit points per semester
LPN302 = second 24 credit points per semester
LPN303 = 12 credit points per semester
LPN304 = second 12 credit points per semester

■ LPN304 RESEARCH DISSERTATION
A research dissertation of approximately 20,000 words. It is expected that the research dissertation relates to one of the core unit areas covered in the Graduate Diploma in Legal Practice and have an applied law orientation. Unit may be undertaken in various loads.
Credit Points:
LPN300 = 24 credit points per semester
LPN301 = 48 credit points per semester
LPN302 = second 24 credit points per semester
LPN303 = 12 credit points per semester
LPN304 = second 12 credit points per semester

■ LPP001 LEGAL PRACTICE
Course: LP41
Credit Points: 96

■ LSA 123 GENERAL BIOLOGY
This unit provides an overview of taxonomies; the structure and function of eukaryotic and prokaryotic cells; the study of mammalian cells, protozoa, fungi, algae, viruses, helminths and bacteria.
Course: SC15
Credit Points: 8
Contact Hours: 5 per week

■ LSA221 BIOLOGICAL CHEMISTRY
This unit covers theoretical and practical biological chemistry through the topics: biological molecules; enzymology; function and role of co-enzymes; metabolism; electron transport chain and ATP synthesis; role of pH and biological buffers and regulation of metabolism.
This unit extends the laboratory adsorption and column molecular sieve and ion exchange Course: SC15 Prerequisite: cation and control of bacteria. The application of scientific methods to the study of the importance of phy with particular emphasis on thin-layer, partition­tion, adsorption and column molecular sieve and ion exchange methods as well as electrophoresis. Course: SC15 Prerequisite: CHA111, CHA145, CHA140 Credit Points: 8 Contact Hours: 4 per week

• LSA 223 MICROBIOLOGY
This unit covers the theoretical and practical aspects of the study of microbiology in clinical, environmental and industrial applications. The emphasis is on the identification and control of bacteria. Course: SC15 Prerequisite: LSA223 Credit Points: 8 Contact Hours: 3 per week

• LSA224 PATHOLOGY
The application of scientific methods to the study of the general principles of disease processes and selected diseases of the organ systems. Correct understanding and use of pathological terms and concepts. Course: SC15 Co-require: LSA225 Credit Points: 8 Contact Hours: 2 per week

• LSA225 HUMAN ANATOMY & PHYSIOLOGY
This unit introduces anatomy and physiology with emphasis on the relationships between structure and function of the normal human being. Topics studied include: the cell; tissues; skeletal system; articulation and the muscular, lymphatic, respiratory, gastro-intestinal, renal endocrine and reproductive systems. Course: SC15 Prerequisite: LSA224 Credit Points: 12 Contact Hours: 5 per week

• LSB001 INTRODUCTORY BIOLOGY
Designed for students who have not studied Senior Biology. It presents an overview of organisms with emphasis on the relationship between structure and basic biological function, including nutrition, excretion, reproduction and inheritance. Courses: SC30, ED50 Credit Points: 6 Contact Hours: 3 per week

• LSB118 INTRODUCTION TO LIFE SCIENCE
An introduction to the study of life processes, with cells and organisms as the central point of reference. Cellular function is described at the tissue and organ levels: the interactions of organisms at the population and community levels are used to explain fundamental concepts of ecology: the diversity of life on Earth is presented in phylogenetic and evolutionary terms: molecular biotechnology is introduced as a tool that assists both the mapping of populations and communities, and the diagnosis of organism malfunction. Courses: ED50, LS36, SC30 Corequisite: For SC30, LSB001 recommended where Senior Biology has not been undertaken Credit Points: 12 Contact Hours: 6 per week Incompatible with: LSB122

• LSB130 ANATOMY 1
Structure of the generalised cell, epithelium, connective tissue, bone and cartilage, muscle tissue, nervous tissue, and cardiovascular system; the gross anatomical study of the skeletal, articular, and cardiovascular systems. Course: OP42 Credit Points: 8 Contact Hours: 3 per week

• LSB131 ANATOMY
Basic concepts of anatomy; overview of the structure of cells, body tissues, and body systems as well as aspects of surface anatomy which are relevant to human movement; musculoskeletal systems. Courses: ED50, HM42, ME46 Credit Points: 12 Contact Hours: 6 per week

• LSB132 CELL BIOLOGY
Cells viewed at the molecular level (membranes, proteins and nucleic acids); cells viewed at the microscopic level (membranes, organelles); cellular metabolism; cellular biophysics; cells in division (DNA, genes, chromosomes, protein biosynthesis); cells diversity. Course: ME46 Prerequisite: LSB131, LSB231 Credit Points: 8 Contact Hours: 3 per week

• LSB141 ANATOMY 1
A study of human anatomy; of the body as a whole, including a detailed study of the skeletal system. Course: PH38 Credit Points: 10 Contact Hours: 4 per week

• LSB142 HUMAN ANATOMY & PHYSIOLOGY
A grounding in the principles of human anatomy and physiology for students not intending to continue with further study in this area. An introduction to the structure of the cell; organisation of tissues; chemistry of life; major systems that constitute the human body. Courses: ED50, PH80, PU42, PU44, PU48, PU49 Credit Points: 12 Contact Hours: 5 per week

• LSB150 HUMAN ANATOMY I
Ultrastructure of the generalised cell. Microscopic and macroscopic anatomy of epithelium, connective tissue, muscular tissues, nervous system, skeletal system, integument, cardiovascular system, lymphatic system, respiratory system, renal system, endocrine system, male and female reproductive systems. Courses: LS36, SC30 Credit Points: 12 Contact Hours: 5 per week

• LSB151 HUMAN ANATOMY I
Structure of the generalised cell, epithelium, connective tissue, bone and cartilage, muscle tissue, nervous tissue, and cardiovascular system; the gross anatomical study of the skeletal, articular, and cardiovascular systems. Courses: OP42, PU45 Credit Points: 8 Contact Hours: 3 per week

• LSB161 BIOLOGY
An introduction to Biology for students with no previous experience in the discipline. An overview of form and function in animal and plant systems; patterns and mechanisms of inheritance; fundamental ecological principles. Course: OP42 Credit Points: 8 Contact Hours: 3 per week

• LSB171 ANATOMY & PHYSIOLOGY I
An integrated study of anatomy and physiology at the degree level. Emphasis is placed on gaining an appreciation of the relationship between structure and function at the levels of cells, tissues, organs and organ systems, initially the morphology and physiology of cells and tissues is examined. The skeletal, muscular, nervous and integumentary systems. Course: PU48 Credit Points: 12 Contact Hours: 4 per week

• LSB182 BIOSCIENCE I
This unit develops an understanding of normal human structures in relation to their functions at the cellular, tissue and organ levels. This is an foundation course in
anatomy and physiology for nursing students. Topics covered are: the cell, tissues; systems of the body and their functions, surface anatomy and body topography.

Courses: NS40, NS48
Credit Points: 12 Contact Hours: 5 per week

- **LSB191 CLINICAL PHYSIOLOGY & PHARMACOLOGY**
  - The physiological basis of the pathogenesis, clinical features and principles of treatment of the major disorders of body function.
  - Course: NS40 Prerequisite: LSB281
  - Credit Points: 8 Contact Hours: 3 per week
  - Incompatible with: PNB116 or PNB758 or PNB340 and PNB540 and PNB640 or PNB350 and PNB750

- **LSB222 INTRODUCTION TO PATHOLOGY**
  - Application of scientific methods to the study of disease processes. Correct understanding and use of pathological terms and concepts.
  - Course: PH38 Prerequisite: LSB141
  - Credit Points: 8 Contact Hours: 3 per week

- **LSB222 BIOLOGY 2**
  - Microbiology; populations of organisms, their interactions and association into communities, ecosystems, biomes and the global biosphere are studied in both qualitative and quantitative terms. The flow of energy and matter through the biosphere: the impact of humanity on this process; introduction to simple computer-based models of community ecology and ecosystem processes through practical sessions.
  - Courses: ED50, SC30
  - Credit Points: 12 Contact Hours: 5 per week

- **LSB228 ANIMAL AND PLANT STRUCTURE AND FUNCTION**
  - Emphasis on how functioning organisms reflect the integration of major biochemical processes. Initially, the structures of body systems are described from the functional viewpoint. Gas exchange, circulatory, reproductive and supportive systems are studied, then aspects of energy flow (photosynthesis/respiration) are considered. Finally, the regulation of organism function via biological positive and negative feedbacks, and hormonal systems, is outlined.
  - Courses: ED50, SC30
  - Credit Points: 12 Contact Hours: 5 per week

- **LSB230 ANATOMY 2**
  - An extension of LSB130. An integrated course of lectures and practicals dealing with the macroscopic anatomy of the nervous, digestive, lymphatic, integumentary, respiratory, renal, haemopoietic, endocrine and reproductive systems.
  - Course: OP42 Prerequisite: LSB130
  - Credit Points: 8 Contact Hours: 3 per week

- **LSB231 PHYSIOLOGY**
  - The basic concepts of physiology and pharmacology. An overview of the functions of body systems so that students can understand biological disorders and pharmacological strategies which may be used in their treatment.
  - Courses: ED50, HM42, ME46
  - Credit Points: 12 Contact Hours: 6 per week

- **LSB238 CELL & MOLECULAR BIOLOGY 1**
  - Introduction at the cell level to essential physiological and metabolic requirements fundamental to life processes. Topics include: the morphology, chemical and biochemical composition of microbial, plant and animal cells; the relationship between metabolism and energy status of cells; biomembrane function and the organisation of genetic material in cells.
  - Courses: ED50, LS36, SC30
  - Prerequisites: CHB142, LSB118
  - Corequisite: CHB242
  - Credit Points: 12 Contact Hours: 5 per week
  - Incompatible with: LSB222

- **LSB241 ANATOMY 2**
  - A course of lectures and practical exercises involving a basic, yet comprehensive, study of the anatomy and physiology of the various body systems.
  - Course: PH38 Prerequisite: LSB141
  - Credit Points: 10 Contact Hours: 4 per week

- **LSB250 HUMAN PHYSIOLOGY**
  - Topics examined include: basic mechanisms - cells, fluids, electrolytes; energy metabolism; nutrients; transport mechanisms; blood; communication and control; excitable tissues; control systems - nervous and endocrine; maintenance systems - gastrointestinal; cardiovascular; respiratory; renal; integrated mechanisms - sexual development; pregnancy; parturition; lactation; control of growth; food intake; organic metabolism; body temperature; ECF osmolality and volume; blood pressure and flow; respiration; response to tissue damage; adaptation to stress. This unit includes a practical program of two hours per week.
  - Course: LS36 Prerequisite: LSB130
  - Credit Points: 12 Contact Hours: 6 per week

- **LSB260 QUANTITATIVE METHODS IN LIFE SCIENCE 1**
  - Topics include: weighing procedures, pH measurement, ion selective electrodes, spectrophotometers, autotitrators, automatic pipettes and dispensers and volumetric ware; calibration of instruments, correct usage, maintenance and elementary trouble shooting; correct experimental procedure, quality control and statistical analysis.
  - Course: LS36
  - Credit Points: 12 Contact Hours: 5 per week

- **LSB261 SYSTEMATIC ANATOMY**
  - An extension of LSB151. A unit dealing with the microscopic and macroscopic anatomy of the nervous, digestive, lymphatic, integumentary, respiratory, renal, endocrine, muscular and reproductive systems and the basic macroscopic anatomy of the lower limb.
  - Course: PU45 Prerequisite: LSB161
  - Credit Points: 8 Contact Hours: 3 per week

- **LSB282 BIOSCIENCE 2**
  - This unit covers the introduction to diseases, infections and treatments: the body defence systems and control of infection and considers in depth the respiratory and cardiovascular systems and diseases which affect these systems.
  - Courses: NS40, NS48
  - Prerequisite: LSB182
  - Credit Points: 12 Contact Hours: 5 per week

- **LSB300 MICROBIOLOGY 1**
  - An introductory core unit in microbiology dealing with aspects of microbial diversity, ecology, classification and taxonomy, structure and function, nutrition and metabolism, growth and reproduction, genetics, control and host-microbe interactions.
  - Course: LS36 Prerequisite: LSB238, CHB242
  - Credit Points: 8 Contact Hours: 4 per week

- **LSB301 MICROBIOLOGY 1**
  - Explores the diversity of microorganisms in public health microbiology providing a basic foundation in microbial classification, structure and function, reproduction, ecology; the economic, environmental and public health significance of microorganisms; groups examined include:
viruses, bacteria, yeasts and fungi, algae, protozoa, helminths and arthropod vectors.

Courses: PU42, PU44
Credit Points: 8 Contact Hours: 3 per week

■ LSB302 ANIMAL BIOLOGY
Together with LSB402, this unit provides the foundation in animal biology that is essential for later specialist units in population studies and aquaculture. It deals with cell, development and covers the following topics: taxonomy, systematics, nomenclature, classification, ultrastructure, life histories, structure and physiology and evolutionary trends.

Courses: ED50, SC30 Prerequisite: LSB122
Credit Points: 12 Contact Hours: 5 per week

■ LSB305 BIOCHEMISTRY
The structures and functions of proteins, carbohydrates, lipids and nucleic acids, basic enzymology, mechanisms of cellular energy production and the role of ATP; the metabolism of carbohydrates, lipids and amino acids and the fundamentals of protein biosynthesis and molecular biology.

Course: PU49 Prerequisite: CHB259
Credit Points: 12 Contact Hours: 5 per week

■ LSB308 BIOCHEMISTRY 1
The structure and function of organic macromolecules: the basic biochemistry of amino acids, peptides and proteins, carbohydrates and nucleic acids; basic enzymology; energy production in cells; high energy molecules, electron transport and oxidative phosphorylation; thermodynamics and bioenergetics.

Courses: ED30, LS36, SC30 Prerequisites: CHB242, LSB305
Credit Points: 12 Contact Hours: 5 per week

■ LSB318 BIOCHEMICAL METHODOLOGY
The subject covers the methodology of modern biochemical measurement and separation techniques, with practical exercises in the various procedures and the use of laboratory instruments. Topics include pH and buffers, centrifugation, spectrophotometry and fluorimetry, various forms of chromatography including column, thin layer, affinity and HPLC procedures, electrophoresis and associated staining and identification techniques, ligand binding assays and applications of radioisotopes.

Course: SC30 Prerequisite: LSB238, CHB242 Corequisite: LSB308
Credit Points: 12 Contact Hours: 5 per week

■ LSB320 QUANTITATIVE METHODS IN LIFE SCIENCE 2
Topics include: immunocassay, electrophoresis and isoelectric focussing; chromatography including gel filtration, affinity chromatography, ion exchange and aspects of high performance liquid chromatography; and enzymic analysis. Emphasis is placed on correct experimental procedures, hypothesis testing and the statistical interpretation of data, and quality control.

Course: LS36 Prerequisite: LSB260
Credit Points: 8 Contact Hours: 4 per week

■ LSB321 SYSTEMATIC PATHOLOGY
Diseases of the organ systems: cardiovascular, respiratory, alimentary, urogenital, nervous, muscularkeletal, endocrine, haematologic and skin.

Course: PH38 Prerequisite: LSB221
Credit Points: 8 Contact Hours: 3 per week

■ LSB328 MICROBIOLOGY 1
An introductory core unit in microbiology dealing with aspects of microbial diversity, ecology, classification and taxonomy, structure and function of nutrition and metabolism, growth and reproduction, genetics, control and host-microbe interactions.

Course: SC30 Prerequisite: CHB242, LSB238
Credit Points: 12 Contact Hours: 5 per week

■ LSB331 ADVANCED ANATOMY
Gross anatomy of the lower limb; anatomical knowledge fundamental to the understanding of the functional and applied aspects of podiatric anatomy; major topics: osteology, myology, arthrology, angiology and neurology.

Course: PU45 Corequisites: LSB261, PNB302
Credit Points: 8 Contact Hours: 6 per week

■ LSB338 CELL & MOLECULAR BIOLOGY 2
A continuation and expansion of topics begun in LSB338, with an emphasis on integrated approaches to understanding life processes. Areas covered include specialised aspects of cell membrane, signal recognition, specialised cell structures in bacteria, plants and animals, cell specialisation and differentiation of cell types, cell motility, cell cycle regulation and cancer.

Course: SC30 Prerequisite: LSB238 Corequisite: LSB308
Credit Points: 12 Contact Hours: 5 per week

■ LSB343 IMAGING ANATOMY 1
A unit dealing with the regional anatomy of the head, neck, upper limb, lower limb, and vertical column and the anatomy of the structures of the above regions which are visualised by medical imaging modalities.

Courses: PH38, PH90 Prerequisite: LSB241
Credit Points: 8 Contact Hours: 4 per week

■ LSB348 GENETICS
An introductory unit in basic genetics. Topics include: the molecular basis of genetics, Mendelian genetics, nuclear and cytoplasmic inheritance, genotype-phenotype interactions, quantitative and behavioural genetics, and basic evolutionary theory.

Courses: ED50, SC30, LS36 Prerequisite: LSB118 or LSB122
Credit Points: 12 Contact Hours: 5 per week

■ LSB350 GENERAL & SYSTEMATIC PATHOLOGY
Principles of the study of disease and dealing with the causes and nature of circulation disorders, degenerative processes, metabolic disorders, disturbances of development and growth, inflammation, infections and infestations, regeneration and repair and neoplasia. Includes the application of general pathology to the study of diseases of the organ systems.

Course: LS36 Prerequisite: LSB150
Credit Points: 8 Contact Hours: 2 per week

■ LSB352 POPULATION ECOLOGY
A broad theoretical background in the major concepts of plant and animal ecology. Topics include: ecology of single populations, life history and demography, interactions within and between populations, population regulation, management, behavioural ecology, energetics and biogeography.

Course: SC30 Prerequisite: LSB118 or LSB122 Corequisite: LSB362
Credit Points: 12 Contact Hours: 5 per week

■ LSB358 PHYSIOLOGY 1
A course of lectures and practicals on functional organisation of the human body including detailed studies of: excitable tissues, neural integration, muscle, sensory and motor systems; the gastrointestinal system, digestion, secretion, absorption and metabolism; temperature regulation and the endocrine system.

Course: SC30 Prerequisite: LSB238
Credit Points: 12 Contact Hours: 5 per week

■ LSB361 FUNDAMENTALS OF MEDICINE
The theoretical basis for an understanding of the proc-
ess of medical care. Students must understand the nature of disease processes and the clinician's response to them in order to: design appropriate and efficient health information services for all types of health care facilities; communicate effectively with other health professionals involved in the care of patients; assist in research and quality assurance programs in the health services. A review of the important and frequently encountered diseases and disorders of the major body systems.

Course: PU  Prerequisite: LSB271
Credit Points: 12  Contact Hours: 3 per week

**LSB362 EXPERIMENTAL DESIGN**
Emphasises practical considerations of field and laboratory-based experimentation in life sciences, and provides experience in problem assessment, definition, formulation of testable hypotheses and experimental design.
Course: SC30  Prerequisite: MAB237 or MAB347
Credit Points: 12  Contact Hours: 5 per week

**LSB370 DISEASE PROCESSES**
Principles of the study of disease and dealing with the causes and nature of circulation disorders, degenerative processes, metabolic and nutritional disorders, disturbances of development and growth, inflammation, infections and infestations, regeneration and repair, and neoplasia. Includes: the applications of general pathology to the study of diseases of the heart and circulatory system, digestive system, respiratory system, urogenital system, endocrine system, nervous system, hematologic system and skin.
Course: OP47  Prerequisite: LSB151 or LSB130
Corequisite: LSB306
Credit Points: 4  Contact Hours: 2 per week

**LSB371 BIOCHEMISTRY 4**
The structures and functions of proteins, carbohydrates, lipids and nucleic acids, basic enzymology, mechanisms of cellular energy production and the role of ATP; the metabolism of carbohydrates, lipids and amino acids and the fundamentals of protein biosynthesis and molecular biology.
Courses: OP42, PU45  Prerequisite: CHB242
Credit Points: 8  Contact Hours: 4 per week

**LSB400 MICROBIOLOGY 2**
An extension of the core unit in microbiology dealing with further aspects of microbial diversity, ecology, classification and taxonomy, action of and resistance to antimicrobial chemicals, host-microbe-environment relationships, foodborne pathogens and spoilers, practical applications of immunology, and examples of the industrial importance of microbial biotechnology.
Course: LSB401  Prerequisite: LSB300
Credit Points: 8  Contact Hours: 5 per week

**LSB401 MICROBIOLOGY**
An introductory core unit of lectures and practical exercises in microbiology dealing with cytology, nutrition, genetics, control of microbial populations, and principles of taxonomy.
Course: PU45
Credit Points: 8  Contact Hours: 3 per week

**LSB405 MICROBIOLOGY**
Introduction to different classes of microorganisms; basic characteristics of bacteria and bacterial growth; water microbiology; food preservation; food spoilage; foodborne disease; food hygiene; microbial fermentation of foods.
Course: PU49  Prerequisite: CHB001
Corequisite: CHB259
Credit Points: 12  Contact Hours: 5 per week

**LSB408 BIOCHEMISTRY 2**
Topics include: aspects of carbohydrate metabolism in mammals; the chemistry and metabolism of lipids and amino acids; the chemistry and function of porphyrins; metabolic integration.
Courses: ED30, SC30  Prerequisite: LSB308
Credit Points: 12  Contact Hours: 5 per week

**LSB410 BIOCHEMISTRY 2**
Topics include: aspects of carbohydrate metabolism in mammals; the chemistry and metabolism of lipids and amino acids; the chemistry and function of porphyrins; metabolic integration.
Course: LS36  Prerequisite: LSB308
Credit Points: 8  Contact Hours: 5 per week

**LSB419 IMAGING PATHOLOGY**
The appearances of pathology on medical images with particular emphasis on the radiographic image.
Course: PH38, PH90  Prerequisite: LSB321
Credit Points: 4  Contact Hours: 2 per week

**LSB420 MICROBIOLOGY 2**
A unit dealing with the regional anatomy of the thorax and abdomen regions and the anatomy of the structures of the above regions which are visualised by medical imaging modalities.
Courses: PH38, PH90  Prerequisites: LSB241  Credit Points: 8  Contact Hours: 4 per week

- LSB448 PLANT BIOLOGY
  Plant biology: morphology, anatomy, reproduction, taxonomy, and identification in the plant kingdom; includes a small practical project; emphasis on species of economic value; a basis for further study in plant tissue culture, physiology, and ecology.
  Courses: ED50, SC30  Prerequisite: LSB122 or LSB228  Credit Points: 12  Contact Hours: 5 per week

- LSB450 HEMATOLOGY I
  This is the introductory unit in hematology. Topics discussed include: blood collection; preparation, staining, and examination of a blood film; hematology profile using manual and automated procedures; ESR; reticulocyte count; Heinz body detection; quality control procedures; overview of abnormal erythrocyte and leukocyte abnormalities; screening tests for hemostasis.
  Course: LS36  Prerequisite: LSB250, LSB308, LSB350  Credit Points: 8  Contact Hours: 4 per week

- LSB451 HUMAN PHYSIOLOGY
  A course of lectures and practicals. The lectures are the same as LSB240 and LSB340. Presented as a one-semester program.
  Courses: OP42, PU45  Prerequisite: LSB351 or LSB261  Credit Points: 12  Contact Hours: 7 per week

- LSB452 MARINE STUDIES
  Marine ecosystems, their importance to all life along the coastal areas and to people's livelihood; management and conservation of the sea; appreciation of its infinite value to humanity's changing lifestyle.
  Course: ED50  Prerequisite: LSB122  Credit Points: 12  Contact Hours: 5 per week

- LSB458 PHYSIOLOGY 2
  A companion unit to LSB358 comprising lectures and practicals on blood, haemostasis, cardiac function, the vascular system and maintenance of blood pressure, circulatory and respiratory adjustments to physiological stress, pulmonary and tissue respiration, blood gas carriage, excretion, water and electrolyte balance.
  Course: SC30  Prerequisite: LSB328  Credit Points: 12  Contact Hours: 5 per week

- LSB460 HISTOPATHOLOGY I
  An introductory subject presenting methods of preparing tissue samples for observation by various forms of light and electron microscopy. Topics include: laboratory safety; fixation, processing and embedding of samples; decalcification; microtomy; general principles of staining, routine staining methods; use of microwaves; immunohistochemistry and microscopy techniques.
  Course: LS36  Prerequisite: CHB242, LSB150  Credit Points: 8  Contact Hours: 4 per week

- LSB461 FUNDAMENTALS OF MEDICINE 2
  Continues the study of the process of medical care begun in LSB361. The roles and functions of allied health professions, and of technological services in the diagnosis and treatment of disease.
  Course: PU48  Prerequisite: LSB361  Credit Points: 12  Contact Hours: 3 per week

- LSB468 MOLECULAR BIOLOGY
  An introductory subject of lectures and practical/tutorial sessions introducing the structure and biochemistry of the nucleic acids and methodologies for their analysis. Lecture topics include genome organisation and replication in bacteriophages, plasmids, bacteria and eukaryotes; the enzymes involved in the replication of DNA and RNA; nucleic acid isolation, purification and analysis; and the mechanisms of transcription and translation of the genetic code in vivo.
  Course: SC30  Prerequisite: LSB308, LSB338  Corequisite: LSB408  Credit Points: 12  Contact Hours: 5 per week

- LSB470 DISEASE PROCESSES 4
  See LSB370.
  Course: PU45  Credit Points: 8  Contact Hours: 4 per week

- LSB478 ANIMAL PHYSIOLOGY
  An introduction to comparative animal physiology. Emphasis is on the physiological ecology of whole animals, their functioning and survival in natural environments.
  Courses: ED50, SC30  Prerequisite: LSB122 or LSB228  Credit Points: 12  Contact Hours: 5 per week

- LSB480 PROFESSIONAL PRACTICE
  This unit introduces students to the workplace, i.e. a pathology laboratory. The student undertakes a two-four week work experience program in a city or country pathology laboratory during the summer vacation between semesters 4 and 5 of the full-time course and between semesters 8 and 12 of the part-time course.
  Course: LS36  Corequisites: LSB400, LSB410, LSB430, LSB450, LSB460

- LSB488 PLANT PHYSIOLOGY 1
  Whole plant physiology and the functional systems of plants. An important unit for students continuing their studies in the plant biotechnology and ecology areas.
  Courses: ED50, SC30  Prerequisite: LSB222 or LSB228  Credit Points: 12  Contact Hours: 5 per week

- LSB491 MICROBIOLOGY 3
  An introductory core unit of microbiology for students of optometry: with cytology, nutrition, genetics, control of microbial populations and principles of taxonomy in relation to optometry.
  Course: OP42  Credit Points: 6  Contact Hours: 3 per week

- LSB498 ECOLOGICAL METHODS
  The theory and practice of methods to determine and measure important ecological parameters and characteristics. These methods are essential tools for the study of ecological populations and communities. Content includes estimation of population size, determination of dispersion patterns, detecting competition, and vegetation classification and mapping.
  Course: SC30  Prerequisites: LSB352, LSB362  Credit Points: 12  Contact Hours: 5 per week

- LSB500 MICROBIOLOGY 5
  Course: LS36  Prerequisite: LSB400  Credit Points: 16  Contact Hours: 7 per week

- LSB502 PROJECTS 1
  Develops the student's capacity for managing their own work. Projects emphasise specific investigatory skills in reviewing, collating, interpreting and presenting data.
contribution to a seminar is usually required. Projects, supervised by staff members, are graded individually. The Head of School coordinates assessment, and may request external assessment. Projects are to be selected by Week 12 of the fourth semester of the course. There are a number of compulsory field trips. This unit leads into LSB602.

| Course: SC30 | Prerequisite: LSB362 | Credit Points: 12 | Contact Hours: 5 per week |

**LSB508 BIOCHEMISTRY 5**

The catabolic and anabolic pathways for the major macromolecules in mammalian systems; non-mammalian metabolism; concepts in bioenergetics and thermodynamics in the context of cellular metabolism; integration of metabolism including production of mixed conjugates of biological significance such as amino-sugars and lipopolysaccharides, hormone action and regulation.

| Course: SC30 | Prerequisite: LSB408 | Credit Points: 12 | Contact Hours: 5 per week |

**LSB520 CLINICAL BIOCHEMISTRY 5**

Introduces the study of chemical aspects of human life in health and illness and discusses the application of chemical laboratory methods to diagnosis, control of treatment and prevention of disease. Topics include: kidney, pancreas, liver and gastric functions, the metabolism of lipids, carbohydrates and proteins.

| Courses: LS36, SC30 | Prerequisites: LSB408, LSB310, LSB340 | Credit Points: 8 | Contact Hours: 4 per week |

**LSB522 POPULATION MANAGEMENT**

The principles of biological population management; natural populations and three forms of management; pest control, harvesting and conservation. Field trips and computer simulations are used to investigate management methods.

| Course: SC30 | Prerequisite: LSB352 | Credit Points: 12 | Contact Hours: 5 per week |

**LSB527 ANALYTICAL BIOCHEMISTRY**

A companion to unit LSB508 extending the material of LSB318 into biochemical analysis. Topics include: enzyme-based analyses; advanced analysis using isotopes; immunoassays and the major biomoecules.

| Course: SC30 | Prerequisites: LSB318, LSB408 | Corequisite: LSB508 | Credit Points: 12 | Contact Hours: 5 per week |

**LSB528 MICROBIAL PHYSIOLOGY & METABOLISM**

The composition, organisation, structure and activity of the microbial cell: bacteria, yeasts and moulds. Topics include: light microscopy and staining methods; cell structure; enrichment, isolation and growth of cultures; the kinetics of growth; biosynthesis of cellular materials; regulation of metabolism; microbial genetics; sporogenesis and germination.

| Course: SC30 | Prerequisite: LSB428 | Credit Points: 12 | Contact Hours: 5 per week |

**LSB530 IMMUNOLOGY 5**

Builds on the basic understanding provided in LSB430 to provide an understanding of the genetic control of antibody diversity, the function of antibody and complement at a molecular level, cell interactions in the immune response and immunological process in resistance to and recovery from infection. Practical classes place emphasis on the competent performance of immunological procedures rather than just a demonstration of immunological principles.

| Course: LS36 | Prerequisites: LSB430, LSB408, LSB400 | Credit Points: 8 | Contact Hours: 4 per week |

**LSB532 POPULATION GENETICS**

An extension of LSB438 Genetics. Topics include: the genetic structure of populations and processes of evolutionary change; natural selection, inbreeding and co-adaptation; species and speciation theory; ecological genetics and the genetics of behaviour. Students may be required to undertake semester-long project topics on practical or theoretical problems.

| Course: SC30 | Prerequisite: LSB432 | Credit Points: 12 | Contact Hours: 5 per week |

**LSB537 GENETIC ENGINEERING**

The development of concepts and skills in the recombinant DNA technologies used in genetic engineering. Topics include: the enzymes, vectors and host cells for gene isolation and cloning; strategies and procedures for cellular transformation and gene library construction; nucleic acid hybridisation techniques; methods for the screening for recombinant clones using radioactive and non-radioactively labelled gene probes.

| Courses: LSB442 | Credit Points: 12 | Contact Hours: 5 per week |

**LSB542 PLANT TISSUE CULTURE 2**

Cellular and biochemical aspects of plant growth are integrated with standard plant tissue culture practice in this unit. Theories and techniques of modern plant biotechnology are introduced, including cytotenetics, protoplast isolation and the unusual carbohydrate metabolism of plants in tissue culture.

| Course: SC30 | Prerequisite: LSB442 | Credit Points: 12 | Contact Hours: 5 per week |

**LSB550 HAEMATOLOGY 5**

The first of two units in which the student is introduced to the diseases of the blood: cause, laboratory investigation, prognosis, principles of treatment and laboratory monitoring of treatment. The blood disorders discussed include: anaemias of defective haem and porphyrin synthesis, anaemias caused by abnormalities in globin biosynthesis, macrocytic anaemias, hypoproliferative anaemias, anaemias of chronic renal failure, liver disease, haemolytic anaemias.

| Course: LS36 | Prerequisites: LSB310, LSB408, LSB450 | Credit Points: 8 | Contact Hours: 4 per week |

**LSB552 AQUACULTURE 1**

Methods and techniques associated with the commercial production of aquatic animal species in hatcheries and on aquafarms. Topics include: water quality measurement and management; intensive production of food organisms; induction of maturation and spawning; nursing and rearing larval and fry; feeding; diagnosis and treatment of health problems; handling and husbandry.

| Course: SC30 | Prerequisite: LSB302 | Credit Points: 12 | Contact Hours: 5 per week |

**LSB558 APPLIED PHYSIOLOGY**

An extension of prior knowledge of physiological processes which occur in a specific range of cardiovascular, renal and neurological functions; basic nutritional concepts and factors affecting nutrient requirements.

| Courses: PU62, SC30, SC60 | Prerequisite: LSB458 | Credit Points: 12 | Contact Hours: 5 per week |

**LSB560 HISTOPATHOLOGY 5**

A detailed study of techniques used in routine histopathology for the diseases of the blood: cause, laboratory investigation, prognosis, principles of treatment and laboratory monitoring of treatment. The blood disorders discussed include: anaemias of defective haem and porphyrin synthesis, anaemias caused by abnormalities in globin biosynthesis, macrocytic anaemias, hypoproliferative anaemias, anaemias of chronic renal failure, liver disease, haemolytic anaemias.

| Course: LS36 | Prerequisites: LSB408, LSB460 | Credit Points: 8 | Contact Hours: 4 per week |
■ LSB568 ELECTRON MICROSCOPY
A theoretical and practical background to the operation and use of scanning and transmission electron microscopes in biological, materials and forensic science; basic principles of specimen preparation are included with emphasis on methods complimentary to biology, microbiology and molecular biology. Analytical capabilities of electron beam instruments.
Courses: ED50, SC30
Credit Points: 12 Contact Hours: 5 per week

■ LSB578 VIROLOGY
Lectures and practical classes designed to introduce students to the basic concepts of virology. A range of viruses and virus diseases are examined and topics include: virus morphology and composition, taxonomy and classification, replication, purification, diagnosis and assay, transmission and control.
Course: SC30 Prerequisite: LSB428
Credit Points: 12 Contact Hours: 5 per week

■ LSB600 CLINICAL BACTERIOLOGY 6
A study of clinical bacteriology, dealing with the characteristics, isolation and identification of bacteria implicated in human disease, the collection and examination of clinical specimens, the initial use of computerised data bases in bacterial identification and antibiotic sensitivity tests on laboratory isolates, the interpretation and clear reporting of results.
Course: LS36 Prerequisite: LSB400
Credit Points: 16 Contact Hours: 7 per week

■ LSB602 PROJECTS 2
This elective unit may be undertaken by students who have taken LSB984 and who have the Strand Coordinator's permission to continue project work. The student either continues a project undertaken in LSB502 or becomes involved in one or more additional projects aimed at developing to a greater depth aspects of the unit matter of experimental units previously completed, such projects being established for either individuals or groups. Assessment is conducted as for LSB502. There are a number of excursions.
Course: SC30 Credit Points: 12 Contact Hours: 5 per week

■ LSB607 BIOCHEMICAL SEPARATIONS
An advanced course of lectures and a comprehensive project designed to introduce a number of specialist biochemical procedures including centrifugation, liquid chromatography, electrophoresis, spectrophotometry and peptide mapping. Students participate in group projects where they are required to design and execute their own experimental protocols for the purification and analysis of selected proteins.
Course: SC30, LS70
Prerequisites: LSB308, LSB318
Credit Points: 12 Contact Hours: 5 per week

■ LSB608 BIOCHEMISTRY 6
Advanced studies in protein biochemistry, including structure, analysis and evaluation of proteins, sequencing, synthesis, structure predictions; applications in the areas of enzymology and active site chemistry; macromolecular assemblies such as muscle.
Course: SC30
Prerequisites: LSB418, LSB308
Credit Points: 12 Contact Hours: 5 per week

■ LSB612 AQUACULTURE 2
The theoretical and applied aspects of warm-water aquaculture. Topics include: design and operation of production facilities; water quality requirements and management; biology of commercially important species; reproduction and its control; nutrition, feeding and growth; diseases and their control; production improvement; polyculture: case studies.
Course: SC30 Prerequisite: LSB372
Credit Points: 12 Contact Hours: 5 per week

■ LSB520 CLINICAL BIOCHEMISTRY 6
Study of clinical biochemistry with emphasis on enzymes, electrolytes, blood gases, drugs, vitamins, functions of the thyroid and adrenal gland, auto-analyses, quality control and steroid metabolism.
Courses: LS36, SC30 Prerequisite: LSB520
Credit Points: 8 Contact Hours: 4 per week

■ LSB602 CASE STUDIES
Application of skills and techniques to a current research problem in biology. Skills in problem appraisal, experimental design and data handling and processing are developed, with field work.
Course: SC30 Prerequisite: LSB412
Credit Points: 12 Contact Hours: 5 per week

■ LSB628 APPLIED MICROBIOLOGY
Aspects of the microbiology of foods, water and agriculture. Topics include: sampling plans, food-borne infections, food hygiene, food standards and the law, food ecology and its relationship to food spoilage and preservation, industrial fermentations, NATA requirements for laboratory registration and methods of microbiological examination of foods, plant, soil, and water microbiology.
Course: SC30 Prerequisite: LSB428
Credit Points: 12 Contact Hours: 5 per week

■ LSB630 IMMUNOHAEMATOLOGY 6
Designed to supply the competence in theoretical and practical blood transfusion required of a scientist working in a hospital blood bank. The understanding of immunology gained in LSB430 and LSB530 is applied to the area of blood banking. Topics include: blood group systems, compatibility testing, antibody identification, antenatal serology, clinical use of blood and blood products and quality control.
Course: LS36 Prerequisite: LSB530
Credit Points: 8 Contact Hours: 4 per week

■ LSB632 PLANT PHYSIOLOGY 2
The sequence of biochemical and physiological events during the life history of a plant. Topics include: starch and oil mobilisation during seed germination, biosynthesis of cell membranes, cell pigments (carotenoids, chlorophylls), and plant cell walls; photosynthetic assimilation of nitrogen and sulphur (overview of biosynthesis of all amino acids); biosynthesis of so-called secondary plant products, e.g. terpenoids, flavonoids, and the lignin component of wood; biosynthesis of starch and oils in new seeds. Laboratory classes emphasise techniques of value to plant biochemical research.
Course: SC30 Credit Points: 12 Contact Hours: 5 per week

■ LSB637 MOLECULAR GENETICS
Polymerase Chain Reaction and associated technologies; chromosome separation; walking and jumping; genetic recombination, mutagenesis and evolution; advanced techniques including DNA footprinting; nucleic acid sequencing and reverse genetics.
Courses: LS70, LS80, LS85, SC30
Prerequisites: LSB357
Credit Points: 12 Contact Hours: 5 per week

■ LSB648 MICROBIAL TECHNOLOGY
An advanced course of lectures and practical sessions dealing with the industrial use of microorganisms. Topics include: screening and strain development; large scale fermentation; product recovery; biochemical engineering; microbial fermentation of food products; primary
and secondary metabolites of industrial importance; single cell protein; microbial transformations; biodeterioration and biodegrading.

Course: SC30  Prerequisite: LSB528  Credit Points: 12  Contact Hours: 5 per week

■ LSB650 HAEMATOLOGY 6
Continues the study of blood diseases. Topics include: inherited and acquired coagulation disorder factors, fibrinolysis, thrombosis, anticoagulant therapy platelet disorders, cellular kinetics, growth factors, non-malignant and malignant leucocyte disorders, paediatric and veterinary haematology.

Course: LS36  Prerequisite: LSB550  Credit Points: 8  Contact Hours: 4 per week

■ LSB652 BIOLOGICAL RESOURCES
Aspects of ecosystem management related to naturally occurring materials and their supply to the human economy. Limitations on specific exploitation of natural genetic (species), soil and energy resources are identified and linked with relevant aspects of land tenure, administration and law; threats to biological resources due to pollutants. Strategies leading to sustained yield and conservation are contrasted with those resulting in resource degradation.

Course: SC30  Credit Points: 12  Contact Hours: 5 per week

■ LSB658 CLINICAL PHYSIOLOGY
The physiological basis and pathogenesis; clinical features and treatment of the major disorders of the cardiovascular, respiratory, haematological, renal, gastrointestinal, nervous and endocrine systems.

Course: SC30  Prerequisites: LSB358, LSB458  Credit Points: 12  Contact Hours: 5 per week

■ LSB660 HISTOPATHOLOGY 6
Reviews recent advances in diagnostic histopathology and introduces advanced and specialised methods including scanning electron microscopy and X-ray microanalysis. Techniques for diagnostic cytology concentrating on specimen preparation and the microscopic detection of cancerous and other abnormal cells in human tissues and body fluids.

Course: LS36  Prerequisite: LSB560  Credit Points: 8  Contact Hours: 4 per week

■ LSB722 RESEARCH STRATEGIES
A series of seminars presented by staff of the Faculties of Health and Science and other research scientists on their area of expertise. A series of tutorials and lectures on such topics as library searches, oral communications, written communications and ethics. A written assignment in the areas of microbiology, biochemistry and biotechnology. A seminar presented by the student covering the background literature relevant to the student's research project.

Course: SC60  Credit Points: 16

■ LSB723 READINGS IN LIFE SCIENCE 1
The preparation of a literature review of direct and associated relevance to the Honours research project under the guidance of the supervisor(s). Includes an in-depth computer search, the presentation of a written paper demonstrating a considerable knowledge, understanding and appreciation of the literature as well as a critical appraisal of future research requirements.

Course: SC60  Credit Points: 16

■ LSB725 PROJECT
All students undertaking Honours in biotechnology, biochemistry or microbiology are required to select and undertake, in consultation with a supervisor, a suitable project.

Course: SC60  Credit Points: 10

■ LSB734 ANALYTICAL ELECTRON MICROSCOPY
An advanced course in electron microscopy with emphasis on the applications of labelling and analytical techniques. Methods covered include immunocytochemistry, in situ hybridisation, energy and wavelength dispersive X-ray analysis, electron energy loss spectroscopy and image analysis. Specialised preparation methods necessary for use of these techniques in SEM, TEM and STEM instruments are discussed, together with their advantages and limitations. Applications are drawn from the biological, materials and forensic science areas.

Course: SC60  Credit Points: 12  Contact Hours: 5 per week

■ LSB801 ADVANCED PLANT PHYSIOLOGY & BIOCHEMISTRY
Plant physiology and biochemistry of current research interest are covered, expanding upon material in the third-year Plant Biochemistry unit. Students select from a reading list and present seminars.

Course: LS60  Credit Points: 12  Contact Hours: 5 per week

■ LSB802 IMMUNOLOGY 5
This unit builds on the basic understanding provided in LSB430 and LSB438 and provides an understanding of the genetic control of antibody diversity, the function of antibody and complement at a molecular level, cell interactions in the immune response and immunological process in resistance and recovery from infection. Students are also required to demonstrate basic information retrieval skills in areas of immunology and to perform a range of computer-based immunology tasks.

Courses: SC60, LS70  Prerequisites: LSB430, LSB438  Credit Points: 12  Contact Hours: 5 per week

■ LSB804 ADVANCED POPULATION BIOLOGY
An extended treatment of major questions in population biology. Students are expected to develop a detailed understanding of population processes and aspects of evolutionary theory at both the individual and population level. The unit includes theoretical core material, group tutorials and individual programs designed around student needs. Students are required to present a review paper and a formal seminar on an assigned topic.

Course: SC60  Credit Points: 12  Contact Hours: 5 per week

■ LSB825 PROJECT
The preparation of a paper reporting the methods and results of investigations in the Honours Research Projects. The paper also includes an introduction, analysis and discussion of the project in a style and length deemed to be appropriate by the Head of School. Students should relate this project work to published work already undertaken in the field.

Course: SC60  Credit Points: 48

■ LSN009 READINGS IN LIFE SCIENCE 4
A review of literature in an area determined in consultation with the supervisor. The area can be associated with the research project topic and can be broadly or narrowly focused but should not include any significant material covered in LSN013. The review should cover the background to the area as well as recent advances and identify deficiencies and possible future research directions. The review should be a critical analysis of the area. Reviews should normally be approximately 5000 words.

Courses: IF49, SC80  Credit Points: 12  Contact Hours: 1 per week
■ LSN010 READINGS IN LIFE SCIENCE 5
See LSN009.
Courses: IF49, SC80
Credit Points: 12  Contact Hours: 1 per week

■ LSN011 RESEARCH SEMINARS IN LIFE SCIENCE 1
A 30-minute public seminar to include a presentation and question period addressing the background to the proposed research topic in the postgraduate degree and outlining the proposed directions of the research program. The seminar should normally be presented within 12 months (full-time) or 24 months (part-time) of commencement of the postgraduate program.
Courses: IF49, SC80  Credit Points: 6

■ LSN012 RESEARCH SEMINARS IN LIFE SCIENCE 2
A 30-minute public seminar to include a presentation and question period outlining the progress made in the postgraduate research program as well as the proposed research to complete the project.
Courses: IF49, SC80  Credit Points: 6  Contact Hours: 1 per week

■ LSN013 READINGS IN LIFE SCIENCE 3
A comprehensive and critical review of the background and current literature directly related to the research project topic. The review should identify major and minor deficiencies in the research literature and identify possible directions for future research. The review should be approximately 10,000 words and at least one draft should be presented to the supervisor prior to final submission.
Courses: IF49, SC80  Credit Points: 24

■ LSN023 RESEARCH SEMINARS IN LIFE SCIENCE 3
A 60-minute public seminar to include a presentation and question period outlining the results of the postgraduate research program as well as possible future research directions in this area.
Courses: IF49, SC80  Credit Points: 12

■ LSN102 CELLULAR BASIS OF DISEASE
Courses: LS70, LS80  Prerequisites: 24 credit points in LS85
Credit Points: 12  Contact Hours: 3 per week

■ LSN110 MOLECULAR BASIS OF DISEASE
The aetiology, diagnosis and treatment of various diseases; study of molecular structures, biochemical reactions, integration and control of metabolism. Topics include: gene structure and function, proteins; structure and molecular dysfunction, and enzymes; properties and alterations in diseases; metabolic integration and hormone action, hormones and organ disease, disorders of carbohydrate and lipid metabolism and chemotherapy.
Courses: LS70, LS80  Prerequisites: 24 credit points in LS85
Credit Points: 12  Contact Hours: 3 per week

■ LSN150 ETHICS AND LIFE SCIENCE
A course which looks at the ethical implications of contemporary issues including: methods of epidemiological and research strategies, gene therapy, informed consent, abortion, ethics committees, organ transplantation and supply including foetal tissue.
Courses: LS80  Credit Points: 12  Contact Hours: 3 per week

■ LSN159 ADVANCED PATHOLOGY
The fundamentals of anatomy, physiology and pathology: emphasis on applied cross-sectional anatomy and integration of knowledge of pathological processes.
Course: PH80
Credit Points: 12  Contact Hours: 4 per week

■ LSN510 CLINICAL BIOCHEMISTRY 1
The use of clinical biochemistry in the diagnosis of diseases. Disorders of fluid and electrolyte balance systems, disorders of the gastrointestinal, pancreatic and hepatobiliary systems, and disorders of the cardiovascular system and hypertension are studied, concentrating on diagnosis and the interpretation of biochemical results. In addition, aspects of instrumentation and laboratory methods are reviewed.
Course: LS80  Prerequisite: 96 credit points in LS85
Credit Points: 12  Contact Hours: 3 per week

■ LSN511 HAEMATOLOGY 1
Haematologic diseases; their aetiology, laboratory investigation, pathogenesis, principles of treatment and laboratory monitoring. The study program includes seminars, oral presentations and assignments selected from: haematopoietic kinetics, haemolytic disease, haemostasis and the haematologic implications of systemic disease. Assessment is by formal examination, assignments and seminar participation.
Course: LS80  Prerequisite: 96 credit points in LS85
Credit Points: 12  Contact Hours: 3 per week

■ LSN512 HISTOPATHOLOGY 1
Recent advances and modern methods in diagnostic histopathology. Topics include: immunohistochemistry, enzyme histochemistry and transmission electron microscopy methods.
Course: LS80  Prerequisites: 96 credit points in LS85
Credit Points: 12  Contact Hours: 3 per week

■ LSN515 MICROBIOLOGY 1
Bacteriology, virology, mycology and parasitology. Topics are chosen to increase the knowledge and understanding of micro-organisms associated with human infection. Recent trends and developments in diagnostic microbiology are studied. A critical approach to the assessment of laboratory practices and interpretation of data is developed.
Courses: LS80, LS85  Prerequisites: 96 credit points in LS85
Credit Points: 12  Contact Hours: 3 per week

■ LSN517 IMMUNOLOGY 1
Information retrieval systems and scientific writing. Five essay topics are selected following discussion with students, supervisor/employer.
Courses: LS80, LS85
Credit Points: 12  Contact Hours: 3 per week

■ LSN518 DIAGNOSTIC CYTOLOGY 1
Review of recent advances and modern methods in diagnostic cytology. The major topics are in gynaecological cytology.
Courses: LS80, LS85
Credit Points: 12  Contact Hours: 3 per week

■ LSN610 CLINICAL BIOCHEMISTRY 2
Clinical biochemistry in the diagnosis of diseases. Endocrinology, disorders of the muscular and skeletal systems, disorders of special groups, nutrition and drugs, neurochemistry and neural disorders, cancer-associated biochemical abnormalities, and seriously ill patient are studied, concentrating on diagnosis and the interpretation of results.
Courses: LS80, LS85  Prerequisite: LSN510
Credit Points: 12  Contact Hours: 3 per week
LSN611 HEMATOLOGY 2
Topics include: age-related changes to the haemopoietic system, perinatal haematology, paediatric haematology and haematology in the elderly, nutrition, anemias, non-malignant and malignant leucocyte disorders, transplantation, automation and quality control. Since outside lecturers participate in these specialist elective some interchange of topics between this unit and LSN511 may be necessary.
Courses: LSN510, LSN515 Prerequisite: LSN511 Credit Points: 12 Contact Hours: 3 per week

LSN612 HISTOPATHOLOGY 2
Methods in diagnostic histopathology. The design and assessment of diagnostic programs to aid the identification of tumours and diseases of selected organ systems. Specialised techniques including aspiration cytology, scanning electron microscopy and analytical electron microscope methods.
Courses: LSN510, LSN515 Prerequisite: LSN512 Credit Points: 12 Contact Hours: 3 per week

LSN615 MICROBIOLOGY 2
Areas of bacteriology, virology, mycology and parasitology. Topics are chosen to increase the knowledge and understanding of micro-organisms associated with human infection. Recent trends and developments in diagnostic microbiology are studied. A critical approach to the assessment of laboratory practices and interpretation of data is developed.
Courses: LSN510, LSN515 Prerequisite: LSN515 Credit Points: 12 Contact Hours: 3 per week

LSN617 IMMUNOLOGY 2
Assist with the preparation of scientific publications and the presentation of data orally. Students are expected to prepare a short scientific paper based on raw data provided. They also prepare and present a short seminar based on the scientific paper.
Courses: LSN510, LSN515 Prerequisite: LSN517 Credit Points: 12 Contact Hours: 3 per week

LSN618 DIAGNOSTIC CYTOLOGY 2
Exploration of recent advances, methods and their applications in diagnostic cytolgy of body sites. Topics include: respiratory and urinary tract, body fluids and techniques such as fine needle aspiration.
Courses: LSN510, LSN515 Prerequisite: LSN518 Credit Points: 12 Contact Hours: 3 per week

LSN710 PROJECT
A supervised project in an area selected by the student. The project area may be novel, developmental or directed at an investigation of the introduction of a new system into the laboratory. Other areas which are considered appropriate include epidemiological analyses, laboratory safety, laboratory design or the efficacy of laboratory services. Each student submits a written project report in a style to present the data.
Course: LSN510 Credit Points: 12 Contact Hours: 3 per week

LSN715 BUSINESS ASPECTS OF BIO TECHNOLOGY
Commercial perspectives of a biotechnology company; funding for commercial research; research patents and intellectual property; GMAC/recombinant DNA guidelines and regulations; overview of Australian biotechnology companies; site visits to one or two biotechnology companies.
Course: LSN70 Credit Points: 12 Contact Hours: 3 per week

LSP735 HUMAN MOLECULAR BIOLOGY
A course of specialist lectures and research assignments for postgraduate students relating to the organisation and regulation of expression of information stored in the human genome. Additional subject areas include the genetic manipulation of human genome, introduction to the important aspects of whole-plant physiology, including nutrition, water relations, photosynthesis, translocation and stress physiology.
Courses: LSN70, LSN710 Prerequisite: LSN637 Credit Points: 12 Contact Hours: 5 per week

LSP737 PLANT & ANIMAL MOLECULAR BIOLOGY
Techniques and applications of molecular biology for the genetic manipulation of plants and animals.
Courses: LSN70, LSN637 Prerequisite: LSN637 Credit Points: 12 Contact Hours: 5 per week

LSP739 CLINICAL MOLECULAR BIOLOGY
The theory behind the use of restriction endonucleases, radioisotopes and nucleic acid hybridisation procedures and their applications in the Polymerase Chain Reaction - gene screening using oligonucleotides and gene probes.
Courses: LSN510, SC60 Prerequisite: LSN517 Credit Points: 12 Contact Hours: 5 per week

LSX310 INTRODUCTION TO BIOCULTURE
Techniques of algal culture and plant tissue culture. Topics include: nutrition, continuous production techniques, and the use of growth regulators to control growth. The role of environmental factors in controlling growth also is discussed. Provides the theoretical basis for students undertaking electives in aquaculture techniques and for plant tissue culture.
Courses: SC10, SC12 Credit Points: 8 Contact Hours: 3 per week

LSX311 COMPUTER APPLICATIONS IN BIOLOGY
Microcomputers and applications software such as word processing, databases, spreadsheets and computer graphics for report presentation. This unit is not oriented towards any specific computer language.
Courses: SC10, SC12 Credit Points: 8 Contact Hours: 3 per week

LSX312 ANIMAL & PLANT TECHNIQUES
Care and maintenance of animal and plant resources, both micro- and macroscopic. Animal handling, maintenance of glasshouse resources, culture collections and sterile techniques, preparation of specimens for permanent collections and their maintenance.
Courses: SC10, SC12 Credit Points: 12 Contact Hours: 4 per week

LSX313 TAXONOMY
Investigation and identification of local flora and fauna; use and construction of keys. The concepts of systematic, classification, taxonomy and nomenclatural procedure. Short lectures and tutorials associated with the practical exercises.
Courses: SC10, SC12 Credit Points: 8 Contact Hours: 3 per week

LSX315 PLANT PHYSIOLOGY
An introduction to the important aspects of whole-plant physiology, including nutrition, water relations, photosynthesis, translocation and stress physiology.
Course: SC10 Prerequisite: LSN110 Credit Points: 8 Contact Hours: 3 per week

LSX320 CLINICAL BIOCHEMICAL TECHNIQUES 3
A study of the basic chemical procedures used in biochemical laboratories with emphasis on technique and...
accuracy. Topics include: tests of renal, pancreatic and hepatic functions; the estimation of serum proteins, lipids and carbohydrates.

Courses: LS12, LS15, SC10
Prerequisites: LSX221, LSX222, LSX225
Credit Points: 8
Contact Hours: 4 per week

**LSX321 CLINICAL MICROBIOLOGICAL TECHNIQUES 3**

The techniques used in isolation and identification of bacteria important in human and animal infections; the use of computerised data bases to assist in bacterial identification; tests for the sensitivity of bacteria to antibiotics; preparation, sterilisation, quality control and use of bacteriological media.

Courses: LS12, LS15
Prerequisite: LSX223
Credit Points: 8
Contact Hours: 4 per week

**LSX322 HAEMATOLOGICAL TECHNIQUES 3**

Lectures and practical work in haematological techniques. Topics include: the counting of blood cells; the preparation, staining and examination of blood films; the determination of the red cell indices; supravitally stained techniques erythrocyte sedimentation rate and origin and maturation of blood cells.

Courses: LS12, LS15
Prerequisites: LSX122, LSX221, LSX225
Credit Points: 8
Contact Hours: 4 per week

**LSX323 HISTOLOGICAL TECHNIQUES 3**

Preparing tissue samples for examination by the various forms of light microscopy. Topics include: fixation, tissue processing, microtomy and an introduction to staining and light microscope techniques.

Courses: LS12, LS15
Prerequisites: LSX122, LSX221, LSX225
Credit Points: 8
Contact Hours: 4 per week

**LSX324 IMMUNOLOGICAL TECHNIQUES 3**

Introduction to immunology with particular emphasis on the principle and performance of immunological techniques including blood grouping. Topics include: antigens, antibodies and the immune system.

Courses: LS12, LS15
Prerequisites: LSX125, LSX225
Credit Points: 8
Contact Hours: 4 per week

**LSX325 CYTOLOGICAL TECHNIQUES 3**

Lectures and associated practical sessions in cytological methods and normal gynaecological cytology. Basis for clinical cytology offered in LSX425.

Courses: LS12, LS15
Prerequisites: LSX221, LSX225
Credit Points: 8
Contact Hours: 4 per week

**LSX331 FOUNDATIONS OF ANAESTHETIC TECHNIQUES**

Introduction to the ethical, moral and legal responsibilities of anaesthetic technicians; the standard equipment used in the operating rooms.

Courses: LS12, LS15
Credit Points: 12
Contact Hours: 5 per week

**LSX332 PHYSIOLOGY & PHARMACOLOGY**

A study of the anatomy and physiology of the main systems, with emphasis on the major pathological disturbances. Also an introduction to the pharmacology of drugs used in anaesthesia.

Courses: LS12, LS15
Prerequisite: LSX225
Credit Points: 12
Contact Hours: 5 per week

**LSX333 ELECTRONICS & COMPUTING**

An understanding of the basic principles of electronics, enabling an understanding of the complex equipment used for the dispensing of anaesthesia; the basic hardware and software of computers; word processing, databases and spreadsheets.

Courses: LS12, LS15
Credit Points: 12
Contact Hours: 5 per week

**LSX334 OPERATING ROOM EQUIPMENT**

Introduction to the ancillary equipment used in operating rooms; the methods in use in the operating rooms; team roles in the operating room.

Courses: LS12, LS15
Credit Points: 12
Contact Hours: 5 per week

**LSX410 ENVIRONMENTAL BIOLOGY**

Ecosystems and energy flow. Productivity, decomposition and nutrient cycling. Niche, species packing, diversity, colonisation and community structure. Short compulsory field trips.

Courses: SC10, SC12
Credit Points: 8
Contact Hours: 3 per week

**LSX411 POPULATION BIOLOGY**

Population biology: structure and dynamics, evolution and differentiation; the relationships between the genetics, energetics and dynamics of populations leading to particular life-history strategies. Field excursions are compulsory.

Courses: SC10, SC12
Corequisite: LSX412
Credit Points: 8
Contact Hours: 3 per week

**LSX412 FIELD TECHNIQUES**

Activities include surveying, soil and climatic measurements, assessment and sampling of animal and plant populations, evaluation of spatial changes in plant and animal communities in relation to environmental gradients. Skills are gained not only in sampling and analytical techniques, but also in the establishment and running of a field camp. An extended field excursion is a compulsory part of the unit.

Courses: SC10, SC12
Credit Points: 8
Contact Hours: 3 per week

**LSX413 APPLICATIONS IN ELECTRON MICROSCOPY**

The roles played by various forms of electron microscopy in the biological sciences and an introduction to the basic techniques and their limitations.

Courses: SC10, SC12
Prerequisites: LSX110, LSX111
Credit Points: 8
Contact Hours: 3 per week

**LSX414 ANIMAL PHYSIOLOGY**

The general physiological processes which sustain life; animal-environment interactions.

Course: SC10
Credit Points: 8
Contact Hours: 3 per week

**LSX415 PLANT CELL & TISSUE CULTURE**

Topics include: techniques, equipment and media used in plant tissue culture, the role of plant growth regulators, and micropropagation. The significance of organogenesis, somatic embryogenesis and genetic variability in plant tissue culture is discussed. Appropriate laboratory exercises.

Course: SC10
Corequisite: LSX315
Credit Points: 8
Contact Hours: 3 per week

**LSX420 CLINICAL BIOCHEMICAL TECHNIQUES 4**

A study of more complex techniques used in clinical biochemical laboratories, including enzyme assays, estimations of electrolytes, blood gases, drugs, vitamins and hormones. Analytical techniques and quality control are also treated.

Courses: LS12, LS15
Prerequisite: LSX320
Credit Points: 8
Contact Hours: 4 per week

**LSX421 CLINICAL MICROBIOLOGICAL TECHNIQUES 4**

Basic microbiological techniques in the following dis-
An extension of LSX322. The student is introduced to the common blood disorders. A brief outline of their aetiology and laboratory investigation is given. The main emphasis is on the use of basic haematological techniques and some specialised laboratory procedures used in the investigation of commonly encountered blood diseases. The basic theory of haemostasis and the screening tests used in the investigation of the bleeding disorders are discussed.

Courses: LS12, LS15
Prerequisite: LSX322
Credit Points: 8
Contact Hours: 4 per week

- **LSX422 HAEMATOLOGICAL TECHNIQUES 4**
Specialised methods for identifying tissue components. Topics include: electron microscopy, histochemistry, immunohistochemistry. Emphasis is placed on the practical application of these methods in histopathology.

Courses: LS12, LS15
Prerequisite: LSX323
Credit Points: 8
Contact Hours: 4 per week

- **LSX424 TRANSFUSION TECHNIQUES 4**
The basic knowledge of immunology gained in LSX324 is applied to the study of human blood group systems. Topics include: principles of immunohaematology, ABO blood group, Rh blood group system, compatibility testing, antibody identification, transfusion reactions, antenatal testing, quality control, intravenous fluids, blood products.

Courses: LS12, LS15
Prerequisite: LSX324
Credit Points: 8
Contact Hours: 4 per week

- **LSX425 CYTOLOGICAL TECHNIQUES 4**
Specialised preparative methods for non-gynaecological cytology and demonstrating the evaluation of specimens commonly encountered in routine diagnostic cytology.

Courses: LS12, LS15
Prerequisite: LSX325
Credit Points: 8
Contact Hours: 4 per week

- **LSX431 CARDIAC CARE & RESUSCITATION**
In the operating room and intensive care units, the cardiac status of patients is monitored by several devices. Students are introduced to these devices as well as to the resuscitation equipment and special equipment used in lung and cardiac surgery.

Courses: LS12, LS15
Prerequisite: LSX332
Credit Points: 12
Contact Hours: 5 per week

- **LSX432 CARE OF RESPIRATORY AIRWAYS & INTENSIVE CARE**
The care and maintenance of equipment used for the respiratory Airways and in intensive care; acid-base balance, blood gases, and the equipment needed for the monitoring of these parameters.

Courses: LS12, LS15
Prerequisite: LSX332
Credit Points: 12
Contact Hours: 5 per week

- **LSX433 ANAESTHESIA FOR SPECIALISED SURGERY**
Surgical interventions requiring anaesthesia; the techniques used and their effects on the vital parameters of patients in these special circumstances.

Courses: LS12, LS15
Prerequisite: LSX332
Credit Points: 12
Contact Hours: 5 per week

- **LSX434 PROFESSIONAL PRACTICE**
The practical skills needed for the proper delivery of anesthetics. This is essentially a practical unit, which can only be taken towards the end of the course. The aim is for students to become proficient and confident in assisting with the delivery of anaesthesia.

Courses: LS12, LS15
Prerequisite: LSX334
Credit Points: 12
Contact Hours: 5 per week

- **LWB130 INTRODUCTION TO STUDY IN LAW**
This unit provides an intensive introductory framework for the study of law at QUT. It outlines fundamental aspects of law and the legal system. It also provides an introduction to the learning environment at QUT including different learning styles, the objectives and structure of the course, the skills and knowledge required and the learning environment in which they are acquired; an orientation or guidance map at the point of entry to the LLB learning environment.

Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LW41, LX31, LX32, LX33
Credit Points: Nil

- **LWB131 LAW IN CONTEXT**
The varied contexts of law; involves input on some of the sources of law and traditional doctrinal approaches supplemented by contextual material describing other ways of seeing law from a number of perspectives including ideological, historical, political, social, economic and comparative.

Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LW41, LX31, LX32, LX33
Credit Points: 24
Contact Hours: 3 per week
Incompatible with: LWB101

- **LWB132 CONTRACTS**
Contract law: definition of the Law of Contract, outline of remedies; formation of contracts; equitable estoppel; express and implied terms; factors pertain­ ing rules or standards of law and apply them to the result of a motor-vehicle collision, work related accidents, and injury to a person's reputation from publication of defamatory material. The rules are examined to ascertain whether they satisfy the critical test: functional adequacy in terms of contemporary values.

Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LW41, LX32, LX33
Credit Points: 24
Contact Hours: 3 per week
Incompatible with: LWB102

- **LWB133 TORTS**
At its most general level this branch of the law is concerned with the question of compensation to be given by a person causing a loss to a person suffering a loss. Areas of everyday conflict which may be resolved by principles of tort liability include damage sustained as a result of a motor-vehicle collision, work related accidents, and injury to a person's reputation from publication of defamatory material. The rules are examined to ascertain whether they satisfy the critical test: functional adequacy in terms of contemporary values.

Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LW41, LX32, LX33
Credit Points: 24
Contact Hours: 4 per week
Incompatible with: LWB103

- **LWB134 RESEARCH & LEGAL REASONING**
Legal reasoning involves the application of rules or standards of law to the resolution of legal problems, which typically arise in disputes, or potential disputes, between parties. Topics include: how to find the existence of rules or standards of law and apply them to the solution of straightforward legal problems; and how to try to anticipate the way in which courts will decide the more complex or controversial matters.

Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LW41, LX31, LX32, LX33
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: LWB104
LWB135 LEGISLATION
Legislation (Acts of Parliament and delegated legislation) is the source of a very high and increasing proportion of law within the Australian system. An ability to understand the legislative process and the ability to read and interpret legislation provide some of the essential knowledge. The basic institutions of government the executive, the legislature and the judiciary; the general principles to which legislative power is subject, and the principles by which executive decision-making is kept open and accountable. Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LW41, LX31, LX32, LX33 Credit Points: 12 Contact Hours: 3 per week

Incompatible with: LWB

LWB231 INTRODUCTION TO PUBLIC LAW
The basic institutions of government the executive, the legislature and the judiciary; the general principles to which legislative power is subject, and the principles by which executive decision-making is kept open and accountable. Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LW41, LX31, LX32, LX33 Credit Points: 24 Contact Hours: 3 per week

Incompatible with: LWB201 and LWB311

LWB233 PROPERTY I
The general principles of property law; the nature of property, ownership and title and the differences between various types of property; Aboriginal native title and the rules relating to real property, including the Torrens system. Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LW41, LX31, LX33 Credit Points: 24 Contact Hours: 3 per week

Incompatible with: LWB

LWB234 EQUITY AND TRUSTS
The major principles of equity including: fiduciaries, unconscionable dealings and the principal equitable remedies; trusts and trusteeship. Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LW41, LX31, LX33 Credit Points: 24 Contact Hours: 3 per week

Incompatible with: LWB201

LWB235 AUSTRALIAN FEDERAL CONSTITUTIONAL LAW
The constitutional arrangements effected by the Commonwealth Constitution: the structure and institutions of government; the division of power between Commonwealth and states; and relations between the different levels of government; emphasis to Commonwealth legislative powers, executive and judicial powers. Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LW41, LX31, LX33 Credit Points: 12 Contact Hours: 3 per week

Prerequisite: LWB231

Incompatible with: LWB

LWB307 INSOLVENCY LAW
The insolvency of individuals and the Bankruptcy Act 1966 (Cth); winding up of companies, provisional schemes of arrangement and official management as alternatives other than winding up which may be open to an insolvent company; law relating to receivership and agents of and mortgages in possession; relevant provisions of the Corporations Law. Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33 Credit Points: 12 Contact Hours: 3 per week

LWB308 INDUSTRIAL LAW
Rights and duties of employers and employees; unfair dismissal entitlement to workers' compensation and the benefits available; the law governing the operation of trade unions and the rights of members; settlement of industrial disputes in the Commonwealth and state spheres by conciliation and arbitration; enterprise bargaining; industrial action. Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX32, LX33 Credit Points: 8 Contact Hours: 2 per week

LWB309 SUCCESSION
Intestate and testate succession; definitions; joint and mutual wills; formal requirements for execution of valid will; alteration, revocation and revival of wills; administration of assets: duties, powers, rights and liabilities of personal representatives; family maintenance provisions: power of court to vary a will. Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33 Credit Points: 8 Contact Hours: 2 per week

LWB312 LAND CONTRACTS
The principles involved in the construction of contracts for the sale of land, with special emphasis on the current standard REIQ Contract in use in Queensland. Statutory requirements as they affect such contracts, including those relating to building units and group titles conveying. Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33 Credit Points: 8 Contact Hours: 2 per week

LWB313 DISCRIMINATION/EQUAL OPPORTUNITY LAW
An examination of the law and policy with respect to discrimination and equal opportunity in Australia; relevant international treaties and Australian legislation such as the Queensland Anti-Discrimination Act; the Anti-Discrimination Commission and procedures. Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33 Credit Points: 12 Contact Hours: 3 per week

LWB315 JESSUP INTERNATIONAL LAW MOOT
The Philip C. Jessup International Law Moot, run under
the auspices of the American Society of International Law, is the premier mooting competition in any area of
the law in the world attracting participants from every
major jurisdiction. The competition requires the ability
to research, analyse, apply and communicate (both orally
and in written form) legal argument with respect to a
complicated problem in Public International Law. Members
of the QUT team will participate in the joint prepara-
tion of two memorials (one for the applicant and one
for the respondent) satisfying the requirements of the
Official Rules of the competition, with respect to the
contents of and issues raised by the problem for the given
year. Some or all of the team members will then present
oral arguments in the Australian rounds of the Jessup
Moot competition, and at the international rounds in the
United States if the team wins the Australian round.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40,
LW31, LW33, LX31, LX32, LX33
Prerequisite: LWB231
Credit Points: 12  Contact Hours: 3 per week

UNIT SYNOPSIS

LWB331 ADMINISTRATIVE LAW
The law relating to judicial review of executive decision
making and control of government officials and public
authorities, especially where the exercise of power af-
fects the rights and interests of individuals.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40,
LW31, LW33, LX31, LX32, LX33
Prerequisite: LWB231
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: LWB311

LWB332 PROPERTY 2
Fundamental concepts of personal property law; the con-
cept of negotiability; transfers of personal property; pro-
tection of personal property interests; agency; bailment.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40,
LW31, LW33, LX31, LX32, LX33
Prerequisite: LWB233  Corequisite: LWB233
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: LWB303

LWB333 THEORIES OF LAW
The legal theories of industrialised society: historical
contexts; underlying values and assumptions; economic,
political and social objectives; the practical conseque-
ces of application to legal and social problems.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40,
LW31, LW33, LX31, LX32, LX33
Prerequisite: LWB131
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: LWB305

LWB334 CORPORATE LAW
The basic legal principles relating to registered compa-
nies: the principle of the veil of incorporation, internal
functioning of a registered company including the memo-
randum and articles of association; dealings with third
parties; legal rules relating to share capital, dividends
and loan capital; introduction to obligations of company
officers and shareholder rights.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40,
LW31, LW33, LX31, LX32, LX33
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: LWB401

LWB351 ABORIGINAL AND ISLANDER LEGAL ISSUES
Government policy and legislation; rights of citizenship;
two laws, one land; Aboriginal land tenure; Mabo; the
Native Title Act (Cth); international law and indigenous
people; cultural heritage; intellectual property rights;
ATSIC Act (Cth); social justice package.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40,
LW31, LW33, LX31, LX32, LX33
Credit Points: 8  Contact Hours: 2 per week

LWB353 ADVANCED ADMINISTRATIVE LAW
Extends and builds upon an understanding of the funda-
mental principles of judicial review and legal control of
government established in the core unit LWB311. Pro-
vides students with a forum to consider a range of issues
which impinge upon government accountability; and also
with an understanding of issues which affect the rights of
citizens in their relations with the government.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40,
LW31, LW33, LX31, LX32, LX33
Prerequisites: LWB231, LWB311
Credit Points: 8  Contact Hours: 2 per week

LWB354 ADVANCED CIVIL PROCEDURE
This elective unit builds on civil procedure providing
advanced litigation skills focusing on interlocutory and
summary procedures. Content includes case flow
management, commercial causes, discovery, inspection,
interrogatories, drafting, briefs and advices, default and
summary judgment, time constraints, injunctions, inter-
locutory applications, interim preservation orders, costs
and management of litigation.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40,
LW31, LW33, LX31, LX32, LX33
Prerequisite: LWB431
Credit Points: 8  Contact Hours: 2 per week

LWB359 ADVANCED TAXATION LAW
An examination of the taxation of business entities (part-
nerships, trusts and companies). Some tax planning is-
sues together with the tax avoidance provisions will also
be canvassed.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40,
LW31, LW33, LX32, LX33
Prerequisite: LWB364
Credit Points: 8  Contact Hours: 2 per week

LWB361 DRAFTING
Drafting of deeds, contract conditions, leases and mort-
gage clauses in a plain English format. Stamp duties on
instruments.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40,
LW31, LX31, LX32, LX33
Prerequisites: LWB233
Prior Assumed: LWB312, LWB492
Credit Points: 8  Contact Hours: 2 per week
Incompatible with: LWB414

LWB363 INSURANCE LAW
Risk management, in particular insurance, will play an
increasingly significant role in modem commercial life.
Insurance however is not limited to the commercial
sphere but spans a wide variety of subject matter, in-
cluding compulsory schemes such as third party motor
vehicle insurance and workers' compensation. From a
vocational perspective the study of insurance law is
important, being encountered by property, commercial
and litigation lawyers. From an educational perspective,
the unit offers an appreciation of how the common law
has been modified by the legislature to balance the in-
terests of the insurer and the insured.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40,
LW31, LX31, LX32, LX33
Credit Points: 8  Contact Hours: 2 per week
Incompatible with: LWB414

LWB364 INTRODUCTION TO TAXATION LAW
The principles relating to the distinction between income
and capital, the concept of deductions; introductory capi-
tal gains tax, the tax avoidance provisions and liability of
tax advisers.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40,
LW31, LX31, LX32, LX33
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: LWB403
LWB366 LAW OF COMMERCIAL ENTITIES
The legal principles pertaining to a number of different structures found in commercial life. A brief consideration of corporations; more detailed examination of partnerships, joint ventures, the definition of these structures; relationship with third parties; relationship of members inter se.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Credit Points: 8 Contact Hours: 2 per week

LWB367 LAW OF CORPORATE GOVERNANCE
This unit is offered as a 'specialised' unit providing an examination of the two organs which govern a company: the board of directors and the company in general meeting. The unit will examine in some detail particular aspects of the law applicable to these bodies, for example some of the duties affecting directors; topical issues such as directors' interests in contracts would be relevant; the role of waiver of breaches and improprieties; members' rights and protection; relevant aspects of meeting law.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, ME36.
Credit Points: 12 Contact Hours: 3 per week

LWB406 FUNDAMENTALS OF PUBLIC INTERNATIONAL LAW
The legal rules which govern the activities of nations between themselves and with international organisations, such as the UN; the creation of international law: treaties, customary law, general principles of law; the concept of international legal personality: statehood, self-determination, recognition; the effects of international law: sovereignty, international responsibility, the law of armed conflict.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Credit Points: 8 Contact Hours: 2 per week

LWB407 CONFLICT OF LAWS
The body of law governing the resolution of private legal problems with a significant foreign element; jurisdiction of domestic courts to determine matters having a foreign element; enforcement of foreign judgments in the domestic jurisdiction; choice of law for the resolution of the dispute, both generally and in relation to family law, contract, tort, property and succession.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Prerequisite: LWB131
Credit Points: 12 Contact Hours: 3 per week

LWB410 RESTRICTIVE TRADE PRACTICES
An overview of the anti-competitive practices which are proscribed by Part IV of the Trade Practices Act 1974 (Cth). It will also deal with remedies available for contraventions of Part IV and the possibility of obtaining authorisation and/or where appropriate notification from the Australian Competition and Consumer Commission.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Credit Points: 8 Contact Hours: 2 per week

LWB412 RESEARCH & WRITING PROJECT
An arranged and supervised piece of research into some area of legal knowledge, and the writing of a paper of between 10 000 and 15 000 words on the results of the research and conclusions drawn therefrom. The paper becomes the property of the Faculty of Law and may be placed in the Law Library. A student wishing to undertake the Research and Writing Project should discuss the matter as early as possible in the semester immediately before that in which he or she proposes to undertake it. The written proposal must reach the Dean at least two clear weeks before the beginning of the teaching semester in which the project is undertaken, and the proposal is accepted or refused, and the student notified accordingly, not later than the first day of that semester.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LW41, LX31, LX32, LX33
Credit Points: 8 Contact Hours: 2 per week

LWB431 CIVIL PROCEDURE
The structures and processes of litigation conducted in the Supreme and Federal Courts; examination of jurisdiction, limitation of actions, motor vehicles insurance, client care, originating process, appearance, service, parties, joinder, pleadings, evidence, subpoenas, settlement, trial, appeal costs and execution.
Courses: IF31, IF33, IF34, IF36, IF38, IF40, LW31, LW33, LW41, LX31, LX32, LX33
Credit Points: 12 Contact Hours: 3 per week Incompatible with: LWB404

LWB432 EVIDENCE
The rules and principles that relate to the presentation of facts to a court of law.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LW41, LX31, LX32, LX33
Credit Points: 12 Contact Hours: 3 per week Incompatible with: LWB402

LWB433 PROFESSIONAL RESPONSIBILITY
The ethical principles upon which the practice of all professions is based; the principles which underpin the discipline of law and the workings of the legal profession; the history, nature, organisation and operation of the legal profession; including codes of conduct, trust accounts and professional legal ethics.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LW41, LX31, LX32, LX33
Credit Points: 12 Contact Hours: 3 per week

LWB434 ADVANCED RESEARCH AND LEGAL REASONING
Exploration of suitable theoretical frameworks for understanding Australian legal reasoning generally, topical developments in substantive areas of law by way of illustration of the theoretical models; advanced skills of legal research and analysis.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF39, IF40, LW31, LW33, LW41, LX31, LX32, LX33
Prerequisite: LWB134
Credit Points: 12 Contact Hours: 3 per week Incompatible with: LWB415

LWB452 ASIAN LEGAL SYSTEMS
Basic knowledge of Asian legal systems; a general overview of the region; specific countries, e.g. China, Japan and Malaysia; practical areas of the law are studied and comparisons drawn with Australian law.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF39, IF40, LW31, LW33, LW41, LX31, LX32, LX33
Credit Points: 8 Contact Hours: 2 per week

LWB454 BANKING & FINANCE LAW
An introduction to the Australian banking system, including: terms of contracts between banker and customer; Clearance System; rights of recovery and liabilities of paying and collecting banks; current legal topics of interest in the banking industry. An introduction to negotiable instruments; principle of negotiability; liability of parties to a negotiable instrument and the consequences of fraud.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF39, IF40, LW31, LW33, LW41, LX31, LX32, LX33
Credit Points: 8 Contact Hours: 2 per week
LWB456 LEGAL CLINIC (ORGANISED PROGRAM)
Students are provided with the opportunity to see law in action through being involved in the delivery of legal services to members of the community under the umbrella of the Legal Aid Office (Queensland). Students’ work in the Legal Aid Office is supplemented with a weekly seminar program which deals with such topics as legal interviewing, family and criminal law practice, professionalism and legal writing.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Credit Points: 12
Contact Hours: 8 per week

LWB458 CONSUMER PROTECTION
The course will deal with the Trade Practices Act 1974, and will be divided into two broad parts, the first dealing with Part V and the second with the product liability provisions found in Part V and Part VA. Misleading or deceptive conduct, the general principles of product liability and implied conditions and warranties.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Credit Points: 8
Contact Hours: 2 per week

LWB461 PRIVATE LAW REMEDIES
Students develop an overall perspective on and deeper understanding of the subject of remedies. The unit is designed to give students a knowledge of the principles underlying the availability of various private law remedies, and to introduce students to an understanding of the circumstances which may give rise to a claim for restitution. It also develops a knowledge and understanding of the choice and range of private law remedies and defences and the capacity to make sound judgments in electing which remedies to pursue against a background of heterogeneous fact situations.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Prerequisites: LW3132 or LW3302
Credit Points: 12
Contact Hours: 8 per week

LWB482 COMPUTERS & THE LAW
The role of computers in legal practice: the body of law that has arisen in relation to computers and computer applications.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Credit Points: 8
Contact Hours: 2 per week

LWB483 MEDICO-LEGAL ISSUES
The constitutional framework supporting the regulation of health care; the relationship between the individual and the health care provider in terms of consent to treatment and negligence; the impact of the criminal law: abortion, removal from life support systems; mental illness and fitness to plead; medical records and evidence: ownership and confidentiality of records, expert evidence; the role of the coroner, complaints against hospitals and health care workers.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Prerequisites: LW3131, LW3133
Credit Points: 8
Contact Hours: 2 per week

LWB485 ENVIRONMENTAL LAW
An introduction to environmental law in Queensland; the sources, nature and development of environmental law in Queensland; the concepts of environmental law (e.g. property, administrative control, law and policy, planning, management); access to the environment; planning to prevent environmental degradation and pollution; protecting the environment; managing the environment; conservation; ecologically sustainable development; enforcement of environmental law; the role of the Commonwealth.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Credit Points: 8
Contact Hours: 2 per week
LWN018select problems of trusts
Aspects of the principles of equity in the context of express, resulting and constructive trusts including the creation of trusts, the nature of equitable proprietary interests, proprietary remedies for the recovery of property in equity including equitable charges and liens and various aspects of tracing in equity, particularly in the context of bankruptcy and insolvency. Some aspects of resulting trusts are considered in relation to illegality and in relation to determining the ownership of property. Various aspects of constructive trusts are also considered, including the nature of the constructive trust, the acquisition of property by a fiduciary, the acquisition of property on death, the acquisition of land under an oral agreement or trust, unconscionable conduct in the context of undue influence, unconscious dealing, estoppel and in the context of determining the equitable ownership of property.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN020 non-resident & foreign source taxation
Questions relating to residence, source, transfer pricing and the legislation relating to Controlled Foreign Entities; the effect of Double Tax Treaties.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN021 banking & finance law 1
Topics include: overview of the legal framework of the Australian banking and finance industry; ‘money’ and ‘legal tender’; foreign exchange transactions; banker and customer and incidents of that relationship; bank accounts and dealings in relation to such accounts; bills of exchange, promissory notes and cheques; collecting bank and paying bank; the clearing system.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN022 banking & finance law 2
Topics include: banking instruments including documentary and standby credits, performance bonds and bank guarantees; electronic banking; the role of bankers as financiers and specific financing methods such as bill line facilities and foreign currency loans; securities for finance including company securities; default and insolvency and its impact on bankers.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN024 select problems of tribunals & enquiries
Investigation of problems that occur in the law relating to the activities of tribunals and enquiries; concentrates on Royal Commissions and related forms of enquiries, as well as statutory tribunals exercising quasi-judicial functions. Topics include: the power to require information; the privilege against self-incrimination; Crown privilege and duties of secrecy; do the rules of procedural fairness apply?; can an enquiry commit a contempt of court?; enquiries and the rules of parliamentary privilege; the power of the courts to review the activities of enquiries; enquiries that investigate a mixture of federal and state matters; the laws of privacy and confidentiality. Legislative attempts to curb judicial review of inquiries and tribunals.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN025 research project 1a
A supervised research project over one semester approved by the Postgraduate Studies Committee. Students may undertake up to 48 credit points of Research Projects only with the approval of the Director of Postgraduate Studies.
Courses: LW50, LW51
Credit Points: 12

LWN026 research project 2a
A supervised research project over the whole year approved by the Postgraduate Studies Committee. Students may undertake up to 48 credit points of Research Projects only with the approval of the Director of Postgraduate Studies.
Courses: LW50, LW51
Credit Points: 24

LWN028 advanced securities
Competing claims to fixtures on land; the nature of a charge and a mortgage; security over bank accounts; recent problems with Bills of Sale legislation; the mortgagee’s power of sale; guarantees and indemnities; fixed and floating securities; some problems arising from receiverships and mortgages in possession; securities and the Trade Practices Act; bank guarantees and unconditional performance bonds; the demise of the scientilla temporis principle; Roman law clauses; co-ownership and security interests; negative pledges; securities over future property; the nature of various security interests; and the giving of formal opinions in relation to security documentation.
Courses: LW50, LW51
Credit Points: 12

LWN030 dispute resolution/mediation
A study of mediation looking at both the theory and practice. Students are expected to be involved in a number of class workshops to learn mediation skills; therefore an attendance rate of 80 per cent (i.e. 11 out of 14 classes) is necessary to gain a mark in the unit. Issues include: mediation in Australia; theories of mediators; different forms of mediation, i.e. neighbourhood, family, commercial; the advantages and disadvantages of mediation; power imbalance; when mediation is not appropriate; ethical and professional issues relating to mediation.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN031 foreign investment law & practice
The law and policy regime for Australian foreign investment at Commonwealth and state levels; theoretical and practical aspects of foreign investment regulation; workshops and seminars covering Commonwealth and state legislation, situations commonly arising in practice, and topics related to foreign investment (e.g. native title, government contracts, etc.).
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN032 credit for uq subject 1
Under the course rules, a coursework student may, with the prior approval in writing of the Deans of the Faculties of Law of QUT and of the University of Queensland, undertake any combination of whole year and one semester units offered in the LLM degree by Coursework at the University of Queensland which are equivalent to no more than 48 credit points. This unit code represents a one-semester unit taken pursuant to that course rule at the University of Queensland.
Courses: LW50, LW51
Credit Points: 12

LWN033 credit for uq subject 2
See LWN032.
Courses: LW50, LW51
Credit Points: 12

LWN034 credit for uq subject 3
See LWN032.
Courses: LW50, LW51
Credit Points: 24

LWN035 medico-legal issues
The Constitutional framework supporting the regulation of health care; the relationship between the individual and the health-care provider in terms of consent to treatment and negligence; the impact of the criminal law,
abortion, removal from life support systems; medical
records and expert evidence; ownership and confiden­
tiality of records; the role of the coroner; complaints
against health-care workers.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN036 SELECT ISSUES IN
INTELLECTUAL PROPERTY LAW
The application of intellectual property law to common
commercial arrangements; develops an awareness of
emerging issues in intellectual property including ap­
plication to computers, performers' rights and moral
rights; examines the remedies, procedures and processes
in this field.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN037 STAMP DUTY & COMMERCIAL
TRANSACTIONS
While stamp duty remains a tax on instruments, amend­
ments to the Stamp Act have had the result that it is es­
sentially a transactional impost. On completion, students
have a sound understanding of the scope of the Act and
of the circumstances in which commercial transactions
attain a liability to duty. Topics include: territorial nexus;
stamp for administration; transactions concerning com­
panies; transactions concerning trusts; partnership trans­
actions; planning and structuring issues; anti-avoidance
provisions.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN038 CAPITAL GAINS TAX &
COMMERCIAL TRANSACTIONS
The capital gains tax provisions contained in Part IIIA
of the Income Tax Assessment Act have the potential to
apply to innumerable acts, transactions and events. Top­
ic in this unit include: the relationship between Part
IIIA and the other taxing provisions of the Act; the gen­
eral scheme of Part IIIA; the threshold conditions to the
application of the Part; the calculation provisions of the
Part; the function and operation of roll-over provisions;
companies and capital gains tax; partnerships and capi­
tal gains tax; trust and capital gains tax; planning and
structuring issues; tax avoidance and capital gains tax.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN041 ECONOMIC ANALYSIS OF THE
LAW
A consideration of the manner in which, and the extent
to which, the principles and methodologies of econom­
ics can be applied in the analysis of statutes and the com­
mon law, in evaluating proposals for the reform of the
law, and in explaining, justifying or criticising particu­
lar rules of law. Particular focus is placed on the analy­
sis of various contemporary issues in the law of torts
and the law of contract. A previous course in economics
is recommended.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN043 LAW OF COMPANY TAKEOVERS
Consideration of Chapter 6 of the Corporation Law
which regulates acquisition of shares which affect a
change in a company's control. Both practical perspec­
tives and conceptual analysis are emphasised.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN044 INSTITUTIONAL INVESTORS
An advanced corporate banking financial institution
course. Institutional investors are financial institutions
like premium funds, insurance companies, mutual funds,
savings and trust departments of banks, trust companies,
securities firms, all of which invest on behalf of the pub­
lic. The way they make investments is governed by statu­
ute and by common law as well as by contract. Institu­
tional investors now are investors in the global financial
and capital markets. The unit entails three parts. The first
part deals with a description of institutional investors in
Australia, Asia, North America and Europe. The second
part canvases the common and statutory law regulating
and governing institutional investors as well as contract
law. The third part deals with special topics such as con­
flict of interest, exclusive self-dealing and the investors
role in corporate covenants, especially in proxy battles,
mergers and takeovers as well as social investments and
the breach of the prudent man rule.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN045 LAW RELATING TO PUBLIC &
OFFICIAL CORRUPTION
Concept of public duty; response of the general law; anti­
corruption models; investigation and prosecution of
official corruption from the perspective of the Criminal
Law.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN046 ADVANCED PLANNING LAW
A detailed study of town planning law with special em­
phasis on the following: relevant Queensland legislation
and in particular the Local Government Planning & En­
vironmental Development Assessment Act 1990 and the
impact of the Planning, Environmental and Development
Assessment. The implementation, structure and operation of town planning schemes,
Strategic Plans and their legal effect. The role and juris­
diction of the Planning & Environment Court, its Rules of
Court, rights of appeal therefrom and the power of costs.
Applications for town planning consent, rezoning and
subdivision of land and relevant considerations in con­
nection therewith. The rights and obligations of object­
ors, objector appeals and appeals by applicants. Reason­
able and relevant conditions in certain specified case ar­
as together with an examination of relevant case law
applicable thereto. Existing and non-conforming uses;
other legislation impacting on town planning. Prior ex­
perience in town planning is not a prerequisite.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN047 LEGAL EDUCATION
This unit involves an introduction to the main schools
of thought on legal education. A review of legal educa­
tion from an historical and sociopolitical perspective
together with consideration of the implications on legal
education of new schools of contemporary thought such
as feminist legal theory. An analysis of the learning pro­
cess considering student approaches to learning, adult
learning theory and learning styles; consideration of a
variety of teaching styles/techniques and the appropri­
ateness and effectiveness of each. Consideration of
matching learning styles with teaching methods and the
validity and effectiveness of such an approach. Consider­
ation for the need, role and implementation of training
needs analyses and goal setting. Analysing the ele­
ments of objectives and aims and how to set them with
a view to designing a teaching/training program. Consid­
eration of the means of evaluating teaching/training ef­
ectiveness. Consideration of the legal education con­
tinuum. Consideration of the needs of adult learners.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN048 ADVANCED LEGAL RESEARCH
The concepts, techniques, aims and methods of legal
research and other research relevant to an interdiscipli­
nary perspective. Extensive training in finding source material, including the use of advanced technology in locating and organising source materials. The unit also deals with methods of presentation, assessment of research, and writing research material in support of a thesis, the diagnosis and remedy of structural problems. It also deals with the conventions of presentation, assessment of research in terms of the differing criteria for refereeing and judging 'worth' and quality and ethics of research. Different research objectives will be considered for attention, for example research in government or for law reform.

Courses: LW50, LW51
Credit Points: 12 Contact Hours: 2 per week

- LW509 INTERNATIONAL ENVIRONMENTAL LAW
  The development of international environmental law; state responsibility for environmental protection; conservation of biological diversity; climate change; protection of the atmosphere; protection of wildlife and habitats; hazardous wastes and toxic chemicals; conservation of the world heritage; international trade and the environment; international dispute resolution; enforceability of international legal regimes.
  Courses: LW50, LW51
  Credit Points: 12 Contact Hours: 2 per week

- LW500 RESTRICTIVE TRADE PRACTICES LAW
  The unit is concerned with an analysis of those sections of the Trade Practices Act dealing with horizontal and vertical restraints of competition, misuse of market power, and mergers. These substantive prohibitions are intended to regulate competition in markets. The early part of the course focuses on basic concepts such as markets, competition, and market power. The main part of the course is concerned with analysing the elements of each of the substantive prohibitions contained in Part IV of the Act and the way in which they may apply to various agreements and business practices. After considering the substantive prohibitions, the final part of the unit is concerned with remedies and defences and the role played by the Australian Competition and Consumer Commission, the Tribunal and the courts.
  Courses: LW50, LW51
  Credit Points: 12 Contact Hours: 2 per week

- LW501 CONSUMER PROTECTION & PRODUCT LIABILITY
  This unit is divided into two main parts. The first part considers the statutory and common law actions which are available to protect consumers from misleading or deceptive conduct and unfair marketing practices. Emphasis is given to the role played by the Trade Practices Act in relation to conveyancing and land transactions, banking transactions and advertising. Unconscionable conduct is also considered. The second part of the unit is concerned with statutory and common law actions available when loss or damage is suffered as a result of defective products. Remedies and defences are considered throughout the course.
  Courses: LW50, LW51
  Credit Points: 12 Contact Hours: 2 per week

- LW502 LITIGATION - CIVIL PROCEDURE
  Focus upon topics of current interest or difficulty in civil procedure. Supreme and Federal Court rules and practice directions are considered in the light of the theories of civil procedure and techniques involved in dispute resolution. Some principles of negotiation and alternative dispute resolution are also addressed. Participants will acquire an appreciation of the dynamics of the adversarial process and an understanding of selected principles of interlocutory disputes in the light of the tactics involved in an action as a whole. Offers an opportunity for students to deepen and broaden their legal education in a way related directly to professional practice.
  Courses: LW50, LW51
  Credit Points: 12 Contact Hours: 2 per week

- LW503 RESEARCH PROJECT 1B
  See LW502.
  Courses: LW50, LW51
  Prerequisite: LW502
  Credit Points: 12 Contact Hours: 2 per week

- LW504 CONTEMPORARY COMMERCIAL LEGAL ISSUES
  The law and practice of contemporary commercial legal issues; topics covered include governmental trade practices liability, Queensland native title law and practice, third party securities (corporate and personal), Australian foreign investment regulation, topical legal problems in property valuation, paradigm shifts in Australian law and their impact on commercial practice, crown immunity and corporatisation, and client-based research in commercial practice.
  Courses: LW50, LW51
  Credit Points: 12 Contact Hours: 2 per week

- LW505 CIVIL RIGHTS
  The central principles concerning the protection of human rights under domestic law; the impact of international human rights law on domestic law; other jurisdictions are compared with the relevant areas of Australian law and practice.
  Courses: LW50, LW51
  Credit Points: 12 Contact Hours: 2 per week

- LW506 RESEARCH PROJECT 1C
  See LW502.
  Courses: LW50, LW51
  Prerequisites: LW502, LW503
  Credit Points: 12 Contact Hours: 2 per week

- LW507 RESEARCH PROJECT 1D
  See LW502.
  Courses: LW50, LW51
  Prerequisites: LW502, LW503, LW506
  Credit Points: 12 Contact Hours: 2 per week

- LW508 RESEARCH PROJECT 2B
  See LW506.
  Courses: LW50, LW51
  Prerequisite: LW506
  Credit Points: 24

- LW509 REMEDIES
  The theoretical bases of major common law and equitable remedies and the substantive law relating to those remedies; the operation of the law of remedies in Australia and the need for reform of the law of remedies.
  Courses: LW50, LW51
  Credit Points: 12 Contact Hours: 2 per week

- LW510 ENVIRONMENTAL LEGAL SYSTEM
  Analysis of the principles and concepts of environmental law in Queensland; understanding of the law in Queensland for the protection and conservation of the environment; examination of the way in which the law accommodates private interests and the public interest. Included are pollution control, environmental impact assessment, environmental management, conservation of the natural and cultural environments.
  Courses: IF64, LW50, LW51
  Credit Points: 12 Contact Hours: 2 per week

- LW511 NATURAL RESOURCES LAW
  The principles and concepts of natural resources law in Queensland dealing with the ownership and control of
natural resources, providing access to these resources, controlling the operational side of the development of these resources, and recognising commercial structures for achieving these operational objectives; an assessment of a number of developed and evolving mechanisms for achieving these objectives such as policy objectives, management plans, incentives and inducements, market instruments and property rights.

Courses: IF64, LW50, LW51
Credit Points: 12 Contact Hours: 2 per week Incompatible with: LWN014, LWN027

- **LWN062 FEDERAL ENVIRONMENTAL LAW**
  History of Commonwealth involvement in environmental management; the Inter-Governmental Agreement of 1992; relevant paragraphs of s. 51 of the Constitution; judicial interpretation of the paragraphs; impact of ss 90, 92 and 109 of the Constitution; federal legislation dealing with offshore development, marine environment protection, environmental impact assessment, national estate, wildlife conservation, Great Barrier Reef, hazardous waste and industrial chemicals, world heritage, ozone protection, ecologically sustainable development, climate changes, and biological diversity.

Courses: LW50, LW51
Credit Points: 12 Contact Hours: 2 per week

- **LWN063 COMPARATIVE ENVIRONMENTAL LAW**
  The principles of environmental regulation in other jurisdictions and the range of policy and legal instruments being utilized to achieve environmental objectives; jurisdictions include European countries, such as Germany, and the United Kingdom, the European Union, and countries in North America and the Asia Pacific region.

Courses: LW50, LW51
Credit Points: 12 Contact Hours: 2 per week

- **LWN064 THEORIES OF CONTEMPORARY LEGAL CRITIQUE**
  The influence upon legal, political and institutional reform of contemporary legal critiques, especially of race, gender, culture/ethnicity and class.

Courses: LW50, LW51
Credit Points: 12 Contact Hours: 2 per week

- **LWN065 CONSTRUCTION & ENGINEERING LAW**
  Standard contracts used in the Australian construction and engineering industries and the legal issues confronting users of these documents; the law of contract and legislation as it applies to the construction and engineering industries at an advanced level; issues of drafting in relation to the relevant standard forms.

Courses: LW50, LW51
Credit Points: 12 Contact Hours: 2 per week

- **LWN066 ADVANCED INSURANCE LAW**
  Detailed examination at an advanced level of the general principles of law applicable to contracts of insurance as well as an examination of the idiosyncratic rules and practices pertaining to specific types of insurance. Topics include: Nature and definition of insurance; insurable interest; third parties' interests; utmost good faith; brokers and agents; formation of contracts, proposals, etc.; contract terms; claims; indemnity and amount recoverable; subrogation; double insurance and compensation; insurance against war risk; marine insurance; workers' compensation; compulsory third party insurance; superannuation/re-insurance contracts.

Courses: LW50, LW51
Credit Points: 24 Contact Hours: 2 per week

- **LWN070 CREDIT FOR UQ SUBJECT 4**
  See LWN032.

Courses: LW50, LW51
Credit Points: 12 Contact Hours: 2 per week

- **LWN071 CREDIT FOR UQ SUBJECT 5**
  See LWN032.

Courses: LW50, LW51
Credit Points: 12

- **LWN072 CREDIT FOR UQ SUBJECT 6**
  See LWN034.

Courses: LW50, LW51
Credit Points: 24

- **LWN075 INTERNATIONAL COMMERCIAL TRANSACTIONS**
  This unit on international trade law addresses the legal problems that arise in the formation and operation of commercial transactions of an international nature. Its scope is largely confined to the sphere of private law. Topics covered include: sources of, and modern developments in, international trade law; harmonisation and unification of law; international contracts (characteristics, negotiating and drafting, choice of law); international sale of goods (trade terms, standard conditions, uniform law); carriage of goods by sea; payment in a documentary sale, and other financing mechanisms; marketing arrangements (agency, distributorship, subsidiary, joint venture).

Courses: LW50, LW51
Credit Points: 12 Contact Hours: 2 per week Incompatible with: LWN023

- **LWN076 INTERNATIONAL COMMERCIAL DISPUTES**
  Legal issues regarding the resolution of commercial disputes in international trade. Mainly concerned with disputes in respect of international commercial relationships of a private law nature. Dispute resolution mechanisms (such as litigation, arbitration and alternative dispute resolution) are examined, and their effectiveness evaluated, in the light of the legal and practical realities in the international trade environment. Students are introduced to a range of commercial practices, national regulation, and international uniform rules, model laws and conventions.

Courses: LW50, LW51
Credit Points: 12 Contact Hours: 2 per week Incompatible with: LWN023

- **LWN077 LITIGATION – EVIDENCE**
  This unit is focused on topics of current interest or difficulty in evidence and advocacy. Rules of admissibility in Queensland and federal courts are considered, as well as issues of trial and appellate advocacy. Participants will acquire an appreciation of the dynamics of the adversarial process, understanding of selected principles of admissibility and knowledge of key forensic skills such as examination and cross-examination of witnesses. This unit offers an opportunity for students to deepen and broaden their legal education in a way related directly to their professional needs.

Courses: LW50, LW51
Credit Points: 12 Contact Hours: 2 per week Incompatible with: LWN052 pre 1995

- **LWN078 ADVANCED CRIMINAL EVIDENCE & PROCEDURE**
  This unit covers three core areas: (a) the rules of evidence and procedure in Queensland criminal courts as set out under the common law, the Evidence Act 1977 (Qld), the Criminal Code and related legislation; (b) the rules of evidence and procedure in criminal cases in the Federal Court as set out in the Evidence Act 1995 (Cth); and (c) the rules of evidence and procedure in the criminal courts of New South Wales as set out in the Evidence Act 1994 (NSW). Topics in all areas address both empirical rules and contemporary issues which present interest or difficulty.

Courses: LW50, LW51
Credit Points: 12 Contact Hours: 2 per week
LWN079 JOINT VENTURES
This unit examines certain major aspects of this subject including the nature and structure of joint ventures, negotiating and financing of joint ventures, foreign investment, taxation implications of joint ventures, government joint ventures, trade practices and intellectual property rights in joint ventures and dispute resolution between joint venture partners.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN080 SELECT ISSUES IN THE LAW OF OBLIGATIONS
This unit examines the phenomena which have led to the creation and assumption of legal obligations: the historical, socio-economic and political considerations underpinning the traditional categorisations; and the inter-relationship, and at times tension, between the traditional categorisations. In so doing the unit highlights those areas of categorisation which have received judicial reconsideration and those areas which may, or may not, in the foreseeable future receive a similar consideration.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN081 RESTITUTION II
This unit will continue the examination of the theoretical basis of restitutionary claims and defences which were defined in LWN017 Restitution I. Students will comprehensively examine the substantive law relating to certain restitutionary claims and defences as well as considering the scope and operation of the law of restitution in contemporary Australia and its relationship with torts, contract, equity and property. Topics covered include: legal compulsion, necessity, illegality, subrogation, tracing and restitutionary proprietary claims, restitution for wrongs, defences, and conflict of laws.
Courses: LW50, LW51
Prerequisites: LWN017
Credit Points: 12
Contact Hours: 2 per week
Incompatible with: Students who have studied both LWN059 and LWN017 pre-1996 are precluded from undertaking this unit

LWN082 INTELLECTUAL PROPERTY: LITIGATION
Topics covered include: the role of intellectual property litigation in protection of intellectual property rights; the overlap between intellectual property rights and consumer protection; jurisdiction of the courts under the Copyright Act, the Patents Act, the Trade Marks Act, the Registered Designs Act, the Circuit Layouts Act and the Plant Varieties Act, and the general law; the role of international conventions and arrangements in intellectual property litigation; parties to intellectual property litigation; appeals from administrative officers under the various Acts and from single judges; the particular requirements of Order 58 of the Federal Court Rules as they apply to intellectual property litigation; groundless threats; pre-emptive remedies; interlocutory remedies and steps; limitation periods; the use of the petty patent system and opposition proceedings as a tactic in patent litigation; cross-claims; trials; final relief; exclusive rights v. anti-competitive conduct.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN083 ESTATE PLANNING
This unit considers estate planning from three perspectives: estate growth/wealth creation, estate protection from exigencies such as death, disablement and bankruptcy and estate distribution, either inter vivos or on death. Strategies employed and issues to be considered within each of these elements will be covered and the inter-relationship between each element will also be highlighted.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN084 INTERNATIONAL MARINE POLLUTION LAW
The protection and preservation of the marine environment has developed into an important aspect of marine law. International conventions and agreements, combined with Commonwealth, state and territory legislation has resulted in a complex matrix of laws and practice. The subject is not being given the prominence in law studies that it now merits. The pollution of the sea is a major problem and a study of its legal regimes is beneficial towards addressing it.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN085 INTERNATIONAL LAW OF THE SEA
International law of the sea has always been of importance to island countries like Australia, but has taken an added importance with Australia's added maritime jurisdiction of the 200 n.m. exclusive economic zone under the United Nations Convention on the Law of the Sea 1982. The focus of this unit will be the development of the law of the sea and a study of the current issues, with particular emphasis on the Australian, Southeast Asian and Pacific Ocean areas.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN086 SELECTED ISSUES IN PRACTISING LAW
The face of legal practice is changing constantly. Today there are many influences upon the practice of law. This is a time of assessing and reassessing the needs of the legal profession and of the client. Therefore it is timely to consider some of these important and contemporary issues. This unit seeks to address selected and topical aspects of practising law in the wider context as well as day-to-day.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN087 CONTEMPORARY ISSUES IN TORTS
Advanced level study of contemporary issues in torts enables a detailed consideration of selected matters at a time of great change in this area of the law. The practical, theoretical and comparative analysis of the selected issues will extend understanding of this fundamental and significant part of general legal practice and the inter-relationship with contiguous fields of legal principle.
Courses: HREF="/pubs/hbk96/courses/LW50.html">LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN088 GOVERNMENT LAW, POLICY AND PRACTICE
This unit focuses on key aspects of the law and policy-making process surrounding the development of legislation and the operation of government, especially in Queensland. Topics covered include: the roles of key Queensland executive government bodies (e.g. OPG, JAG, Cabinet, Departments, etc.), corporatisation, Crown immunity issues, Queensland’s ‘fundamental legislative principles’ (FLPs), and governmental trade practices liability.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN089 CURRENT LEGAL PROBLEMS AFFECTING SPORTS
Sport and the law is a growing area of legal practice. The inter-relationship of the sporting culture, commercialised activities and a wide range of relevant legal ar-
cas provides a unique mix for the study of many overlapping areas of law and social policy. Topics covered include: liability of sports organisations and participants for injury or damage; legislative and common law intrusion onto the sporting field; construction, operation and maintenance of sports facilities; the right to control and sanction sport participants; securing sponsorship and endorsement rights; sports marketing and the exploitation of the intellectual and personal property of teams and athletes; industrial relations and sport; broadcasting of sporting events; sports business and trade practices.

Courses: LWS50, LWS51
Credit Points: 12  Contact Hours: 2 per week

- LWRO10 HONOURS DISSERTATION
A dissertation by students enrolled in the Master of Laws by Coursework who have obtained 96 credit points with a GPA of 6 or better. The dissertation is between 20,000 and 30,000 words in length.

Courses: LWS50, LWS51  
Credit Points: 48

- LWS101 THESIS
The dissertation should make a notable contribution to the form of new knowledge or significant original adaptation, application and interpretation of existing knowledge and practice.

Course: LWS50  
Credit Points: 36

- MAA251 STATISTICS & DATA PROCESSING
A basic unit in statistics, including statistical terminology and organisation of data, elementary probability, binomial and normal distribution, standard statistical methods for analysing data, regression and correlation.

Courses: LS12, LS15, SC12
Credit Points: 8  Contact Hours: 3 per week

- MAB003 MATHEMATICS FOR SCIENCE & TECHNOLOGY 1
Algebra: Complex numbers, Cartesian form, Argand diagram; determinants and matrices; solution of linear equations; elementary vector algebra. Differential calculus: functions of a single variable, limits, derivatives of standard functions, higher derivatives, series expansions, applications.

Courses: CE42, EE43, EE44, IF23, IF34, IF53, ME45, ME46, SC30
Credit Points: 6  Contact Hours: 3 per week

- MAB004 MATHEMATICS FOR SCIENCE & TECHNOLOGY 2

Courses: CE42, EE43, EE44, IF23, IF34, IF53, ME45, ME46, SC30
Credit Points: 6  Contact Hours: 3 per week

- MAB102 BASIC MATHEMATICS
Algebra: Factorising polynomials; index and logarithm laws; AP and GP; trigonometrical ratios; Pythagorean identities; graphs; sine rule and cosine rule; coordinate geometry; equations of lines and standard conics; introduction to differential calculus; curve sketching; Newton-Raphson method; elementary integration; definite and indefinite integrals; use of tables of integrals; Simpson's rule.

Courses: ED50, IF34, SC30
Credit Points: 12  Contact Hours: 4 per week Incompatible with: A grade of Sound Achievement or higher in Senior Mathematics B (or equivalent)

- MAB103 INTRODUCTORY ENGINEERING MATHEMATICS
Computational mathematics: algebra; circular functions, trigonometric functions; vector algebra: addition of vectors, unit vectors, scalar products; linear algebra: elementary matrix algebra, solution of linear equations; complex numbers: Cartesian form, addition, multiplication, modulus and argument, Argand diagram; differential
calculus: elementary functions, definite and indefinite integration.
Courses: CE31, CE42, EE43, EE44, IF23, IF54, IF56, ME35, ME45, ME46, PS47
Credit Points: 8 Contact Hours: 3 per week

MAB151 QUANTITATIVE TECHNIQUES
A basic mathematics unit with emphasis on differential and integral calculus, the interpretation of data and the application of numerical techniques.
Courses: PH38, PH90
Credit Points: 4 Contact Hours: 2 per week

MAB152 QUANTITATIVE METHODS
Organisation, analysis and interpretation of data; practical problems in basic calculus techniques; probability distributions; sampling; estimation; testing of hypotheses; regression and correlation.
Courses: PU42, PU44, PU45
Credit Points: 8 Contact Hours: 3 per week

MAB172 STATISTICAL METHODS
Organisation and analysis of data; use of computer packages in data analysis; probability and probability distributions; sampling theory; estimation; testing of hypotheses; regression and correlation.
Courses: BS50, IT20
Credit Points: 12 Contact Hours: 3 per week

MAB173 QUANTITATIVE METHODS
To enable students to use mathematical reasoning and skills to obtain solutions to financial, economic and general business problems. On completion, students should have an understanding of the types of problems amenable to a mathematical solution; they should be able to develop appropriate mathematical models and appreciate any limitations or assumptions and solutions to these models.
Courses: BS50, IF31
Credit Points: 12 Contact Hours: 3 per week

MAB177 MATHEMATICS FOR DATA COMMUNICATIONS
Provides the basic mathematical background required for the study of data communication; coding theory and cryptography.
Course: IT20
Credit Points: 12 Contact Hours: 3 per week

MAB178 MATHEMATICS FOR TELECOMMUNICATIONS
Fundamentals of probability and random processes as required for the modelling and mathematical analysis of data communication networks; queuing models and their applications in the study of telecommunication networks.
Course: IT20
Credit Points: 12 Contact Hours: 2 per week

MAB181 APPLIED MATHEMATICS FOR DESIGNERS 1
Applications of plane and solid geometry in design; revision of basic geometry; symmetry; construction and packing of solids; spherical geometry and its applications. Applications of trigonometry in design; revision of basic trigonometry; calculation of heights, distances, areas and volumes. Symmetric designs.
Course: BN30
Credit Points: 6 Credit Hours: 3 per week

MAB185 INTRODUCTION TO STATISTICS
Data and its presentation, qualitative reporting of graphical presentations; distributions: properties and parameters, normal probability plots; sampling: correlated versus independent observations, mean and other statistics, normal case; confidence intervals for means/proportions and differences of means/proportions, pairing, tolerance limits, introduction to quality and SPC, variance, hypothesis testing, tests for means/proportions; basic concepts of experimentation, and ANOVA; introduction to regression.
Courses: CE31, ME35
Credit Points: 8 Contact Hours: 3 per week

MAB187 ENGINEERING MATHEMATICS 1A
Courses: CE31, CE42, EE43, EE44, IF23, IF54, IF56, ME35, ME45, ME46, ME85, PS47
Credit Points: 8 Contact Hours: 3 per week

MAB188 ENGINEERING MATHEMATICS 1B
Courses: CE31, CE42, EE43, EE44, IF23, IF52, IF54, IF56, ME35, ME45, ME46, PS47
Credit Points: 8 Prerequisite: MAB187 Contact Hours: 3 per week

MAB195 QUANTITATIVE METHODS 1
Applications of plane and solid geometry in design, revision of basic geometry; application of trigonometry in design; calculation of heights, distances, areas and volumes; applications of trigonometry to mechanics.
Course: BN30
Credit Points: 6 Contact Hours: 3 per week

MAB196 QUANTITATIVE METHODS 2
Data collection and analysis in design; introduction to statistics; use of computers in data analysis.
Course: BN30
Prerequisite: MAB181 Credit Points: 6 Contact Hours: 3 per week

MAB200 MATHEMATICS
Algebra; trigonometry; complex numbers; matrices and vectors; permutations and combinations; finite differences; exponential, logarithmic and trigonometric functions; calculus; conic sections.
Courses: CH32, ED50, IF34, IT20, SC30
Prerequisite: Sound Achievement in Senior Mathematics B (or equivalent) or MAB102 Credit Points: 12 Contact Hours: 4 per week Incompatible with: Sound Achievement in Senior Mathematics C, MAB212

MAB212 MATHEMATICS 1
Courses: CH32, ED50, IF34, IT20, SC30
Credit Points: 12  Contact Hours: 4 per week
Incompatible with: MAB200, MAB301

■ MAB222 MATHEMATICS 2
Courses: ED50, IF34, SC30  Prerequisite: MAB212
Credit Points: 12  Contact Hours: 4 per week
Incompatible with: MAB301, MAB303

■ MAB232 DISCRETE MATHEMATICS
Combinatorics; logic; set theory; axiomatic systems; modular arithmetic; rings, integral domains, fields; finite groups; number theory; difference equations. May not be available in 1996.
Courses: ED50, IF34, IT20, SC30
Corequisite: MAB222
Credit Points: 12  Contact Hours: 4 per week

■ MAB237 STATISTICS
The collection, presentation and features of statistical data. How to investigate, model and analyse the data and how to draw valid conclusions. Students study real data using computer packages where appropriate and are introduced to estimation, hypothesis testing, regression and analysis of variance.
Courses: CH32, ED50, IF34, SC30
Credit Points: 12  Contact Hours: 4 per week
Incompatible with: MAB347

■ MAB251 MATHEMATICS 1
Data handling; determinants and matrices; differentiation with applications; partial differentiation; integral calculus with applications; numerical methods.
Course: OP42
Credit Points: 8  Contact Hours: 4 per week

■ MAB252 STATISTICS
Organisation and analysis of data; probability and probability distributions; sampling theory; estimation; tests of hypothesis; regression and correlation.
Course: OP42  Prerequisite: MAB251
Credit Points: 4  Contact Hours: 2 per week

■ MAB258 EXPERIMENTAL DESIGN
Examination of experimental design and data analysis in optometry; topics include: goodness of fit tests and tests of independence using chi-square distribution; introduction to multiple regression; statistical quality control; analysis of variance, introduction to non-parametric methods.
Course: OP42  Prerequisite: MAB258
Credit Points: 4  Contact Hours: 2 per week

■ MAB272 RESEARCH METHODS
Students in the information management and information systems fields should have knowledge of a variety of techniques associated with collecting and analysing data, be capable of critical interpretation of survey research and be able to use data reduction techniques themselves. In addition to an introduction to descriptive statistics and statistical inference, this unit introduces historical and theoretical approaches and compares rationalisation with experimentation.
Course: IT20

Prerequisites: Completion of at least 60 credit points from the Information Management or Information Systems majors in IT20
Credit Points: 12  Contact Hours: 3 per week

■ MAB299 MATHEMATICS FOR TECHNOLOGISTS
Data handling and basic algebra, geometry and trigonometry. Introduction to statistics, organisation and analysis of data, probability and probability distribution; sampling theory; estimation; test of hypothesis; regression and correlation. Introduction to quantitative operation research methods applicable in solving economic and general business problems, including linear programming, transportation algorithm and decision trees.
Courses: CN41, CN43  Prerequisites: First year unit
Credit Points: 6  Contact Hours: 3 per week

■ MAB301 CALCULUS & ANALYSIS A
Levels of measurement and their relationship to particular operations with real numbers, accuracy and precision; basic algebraic, geometric and trigonometric results; introduction to the concepts of function, limits, continuity and monotonicity; elements of differential and integral calculus, associated theorems and analytical and numerical applications.
Courses: ED50, IF34, IF42, IF44, IF58, MA34, SC30
Prerequisites: At least Sound Achievement in Senior Mathematics C or MAB200 (which may be studied concurrently)
Credit Points: 12  Contact Hours: 4 per week
Incompatible with: MAB212, MAB222

■ MAB303 ALGEBRA & ANALYSIS B
Set theory, relations and functions; introduction to differential equations; infinite series; complex numbers; linear equations; matrices and determinants; vector spaces; eigenvalues and eigenvectors.
Courses: ED50, IF34, IF42, IF44, IF58, MA34, SC30
Corequisite: MAB301
Credit Points: 12  Contact Hours: 4 per week
Incompatible with: MAB212, MAB222

■ MAB304 CALCULUS & VECTOR ALGEBRA
First order and linear second order differential equations, simple applications; vector algebra; vector products; Euclidean spaces; vector calculus; space curves, line integrals; kinematics of a particle.
Courses: ED50, IF34, IF42, IF44, IF58, MA34, SC30
Prerequisite: MAB301
Credit Points: 12  Contact Hours: 4 per week

■ MAB321 COMPUTATIONAL MATHEMATICS 1
Sources of errors; computer arithmetic; computations with polynomials, standard functions, recurrence relations and series; computations with data, searching, sorting, sums and means; computations with arrays; use of calculators, programming languages and graphical/mathematical software.
Courses: ED50, IF34, IF42, IF44, IF58, MA34, SC30
Corequisites: MAB301 or MAB212
Credit Points: 12  Contact Hours: 4 per week

■ MAB342 MATHEMATICS OF FINANCE
Interest rates; solutions of problems in compound interest; annuities; applications of annuities; capital redemption policies; valuation of securities; introduction to basic modelling techniques.
Courses: ED50, IF34, IF58, MA34, SC30
Credit Points: 12  Contact Hours: 4 per week

■ MAB347 STATISTICS I A
Collection and representation of data, parameters and statistics; sampling; sample mean and variance; statistical estimation and tests of hypotheses based on the nor
Solution of large scale systems of linear equations by

- Probability: conditional probability; random variables and probability distributions; binomial, Poisson, exponential, uniform, normal; expected values and moments, sums and differences of random variables; q-q plots, correlation, multiple regression; power; goodness-of-fit; introduction to non-parametric tests.

**Courses:**
- B550, ED50, IF34, IF42, IF44, IF58, IT20, MA34, SC30
- Credit Points: 12
- Contact Hours: 4 per week

**Incompatible with:**
- MAB237

**MAB348 STATISTICS 1B**
- Probability: conditional probability; random variables and probability distributions; binomial, Poisson, exponential, uniform, normal; expected values and moments, sums and differences of random variables; q-q plots, correlation, multiple regression; power; goodness-of-fit; introduction to non-parametric tests.

**Courses:**
- B550, ED50, IF34, IF42, IF44, IF58, IT20, MA34, SC30
- Prerequisites: MAB347 or credit in MAB237
- Corequisites: MAB301
- Credit Points: 12
- Contact Hours: 4 per week

**MAB442 TOPICS IN MATHEMATICS**
- Topics in geometry, recreational mathematics, and the history of mathematics, including fractals, iterative maps, map projections, Euclidean constructions, tessellations and mathematical puzzles.

**Courses:**
- ED50, IF34, IF71, SC30
- Prerequisites: MAB222 or MAB301, MAB303
- Credit Points: 12
- Contact Hours: 4 per week

**MAB432 MATHMATICS 3**
- Laplace transforms; ordinary differential equations of first and higher order; multivariable calculus. May not be available after 1996.

**Courses:**
- SC30
- Prerequisites: MAB222
- Credit Points: 12
- Contact Hours: 4 per week

**MAB452 MATHEMATICS 4**

**Courses:**
- SC30
- Prerequisites: MAB432
- Credit Points: 12
- Contact Hours: 4 per week

**MAB485 ENGINEERING MATHMATICS 2C**
- Differential equations. Laplace transform methods; orthogonal functions; solution of systems of linear equations; vector analysis; functions of a complex variable: limits, continuity, exponential, circular, hyperbolic and logarithmic functions; Cauchy-Riemann equations; Fourier transforms.

**Courses:**
- EE44, IF23
- Prerequisites: MAB187, MAB188
- Credit Points: 8
- Contact Hours: 3 per week

**MAB486 ENGINEERING MATHMATICS 2D**
- Probability: events and sample spaces; independence; discrete random variables and probability functions; continuous random variables; mean, variance; examples of distributions. Partial differential equations: the simultaneous partial differential equations of Maxwell; the three-dimensional wave equation. Laurent’s theorem. Residue theory, application to complex integration.

**Courses:**
- EE44, IF23
- Prerequisites: MAB485
- Credit Points: 8
- Contact Hours: 3 per week

**MAB487 ENGINEERING MATHMATICS 2A**
- Solution of large scale systems of linear equations by direct and indirect methods; solution of second order differential equations with constant coefficients; numerical solution of differential equations; polynomial interpolation.

**Courses:**
- CE42, EE43, IF56, ME45, ME46
- Prerequisites: MAB187, MAB188
- Credit Points: 8
- Contact Hours: 3 per week

**MAB488 ENGINEERING MATHMATICS 2B**
- Quadrature, determination of eigenvalues and eigenvectors of large scale linear systems; power method, inverse iteration, acceleration techniques; interpolation by cubic splines; Fourier series and harmonic analysis; convergence of infinite series.

**Courses:**
- EE43, IF56, ME45, ME46
- Prerequisite: MAB487
- Credit Points: 8
- Contact Hours: 3 per week

**MAB494 SURVEY MATHEMATICS 1**
- Spherical trigonometry: definition of sphere, circles on sphere and spherical triangles; colatitude, antipodal and polar triangles; sine, cosine and half-angle formulae, Napier’s and Delembre’s analogies; solution of spherical triangles, spherical excess, area of spherical triangle; relation between plane and spherical trigonometry. Differential calculus: Taylor and Maclaurin series for functions of a single variable; extension to functions of several variables; maxima and minima with constraints, Lagrange multipliers; positional astronomy.

**Courses:**
- IF54, PS47
- Prerequisite: MAB487
- Credit Points: 6
- Contact Hours: 3 per week

**MAB496 SURVEY MATHEMATICS 2**
- Linear algebra: systems of linear equations in two and three dimensions, the no solution, many solution and unique solution cases, geometric interpretation; extension of concepts to large scale systems, matrix formulation. Matrices: elementary matrix algebra, equality, addition, multiplication by a scalar; matrix products, inverse matrix, transpose matrix; types of matrix, elementary matrices, identity matrices, singular and non-singular matrices, symmetric matrices; orthogonal matrices; reduction of a matrix to echelon form. Eigenvalue problem: solution of characteristic equation in two and three dimensions, corresponding eigenvectors; reality of eigenvalues in symmetric cases; quadratic forms, principal axes; geometrical applications, (classification of conics), extension of concepts to large scale system.

**Courses:**
- IF54, PS47
- Prerequisite: MAB494
- Credit Points: 6
- Contact Hours: 3 per week

**MAB601 MULTIVARIABLE CALCULUS**
- Differentiation, extrema; double integrals, triple integrals; functions of a complex variable, analyticity, complex integration.

**Courses:**
- ED50, IF34, IF42, IF44, IF58, MA34, SC30
- Prerequisites: MAB303, MAB304
- Credit Points: 12
- Contact Hours: 4 per week

**MAB602 VECTOR FIELD THEORY**
- Vector analysis; scalar and vector fields; line integrals; surface integrals; differential field operators; the integral properties of fields. Tensor analysis; curvilinear coordinates; application to potential theory; hydrodynamic theory, electromagnetic theory; calculus of variations; functional; Euler’s differential equation; problems with subsidiary conditions.

**Courses:**
- IF42, IF44, MA34, SC30
- Prerequisite: MAB601
- Credit Points: 12
- Contact Hours: 4 per week

**MAB612 DIFFERENTIAL EQUATIONS**

**Courses:**
- ED50, IF34, IF42, IF44, IF58, MA34 SC30
MAB618 COMPUTATIONAL MATHEMATICS 2
Linear equations; numerical solution of a single nonlinear equation; interpolation; quadrature; numerical solution of a single first order differential equation. Co-requisites: IF42, IF44, IF58, IT20, MA34, SC30
Credit Points: 12 Contact Hours: 4 per week

MAB620 FINITE MATHEMATICS
Logic; axioms, proofs, truth-table decidability; set theory; relations; functions; primes and divisibility; Fermat's and Euler's theorems; greatest common divisor; Euclid's algorithm; primitive roots; arithmetic functions; abstract algebra: Boolean algebras, groups, rings, fields; automata: finite state machines. Courses: ED50, IF58, IT20, MA34, SC30
Prerequisites: MAB303
Credit Points: 12 Contact Hours: 4 per week

MAB630 LINEAR ALGEBRA & ITS APPLICATIONS
Concrete and abstract vector spaces; matrices; linear systems and determinants; inner products and the projection theorem; linear operators on a unitary space; eigenvalues; applications. Courses: IF34, IF42, IF44, IF58, ED50, IT20, MA34, SC30
Prerequisites: MAB303
Credit Points: 12 Contact Hours: 4 per week

MAB632 MATHEMATICAL MODELLING
Models are taken mainly from the areas of medicine and biology, including cancer research and population growth, and from mechanics applied to sport. Emphasis is on the mathematical modelling and not on the development of new mathematical techniques. Courses: IF34, IF42, IF58, ED50, MA34, SC30
Prerequisites: MAB303, MAB304 or MAB212, MAB222
Credit Points: 12 Contact Hours: 4 per week

MAB637 OPERATIONS RESEARCH 1A
Linear programming; replacement, maintenance and reliability; project scheduling techniques; simulation. Courses: ED50, IF34, IF42, IF44, IF58, IT20, MA34, SC30
Prerequisites: CSB155, MAB303, MAB347
Credit Points: 12 Contact Hours: 4 per week

MAB638 OPERATIONS RESEARCH 1B
Transportation, transhipment and assignment models; sensitivity analysis and duality; inventory models; introduction to queuing theory. Courses: IF34, IF42, IF58, IT20, MA34, SC30
Prerequisite: MAB637
Credit Points: 12 Contact Hours: 4 per week

MAB641 ACTUARIAL MATHEMATICS
Mathematics of finance; fixed interest securities, pure endowments and life annuities; assurances; policy values; mortality laws, population projections, superannuation, introduction to general insurance. Courses: IF34, IF58, MA34, SC30
Prerequisites: MAB301, MAB302
Credit Points: 12 Contact Hours: 4 per week

MAB642 METHODS OF MATHEMATICAL ECONOMICS
Comparative static analysis; matrices and economic theory; optimisation theory and its application in economics. Courses: IF34, IF58, MA34, SC30
Prerequisites: MAB301, MAB303
Credit Points: 12 Contact Hours: 4 per week

MAB647 STATISTICS 2A
Bivariate distributions; conditional distributions; covariance; moment generating functions; joint mgf's and their uses in tdf cases; transformations; sampling distributions; sampling from finite populations; introductory Markov chains; time series and auto correlation; convergence ideas; order statistics. Courses: BS50, ED50, IF34, IF42, IF44, IF58, MA34, SC30
Prerequisites: MAB348, MAB301
Corequisites: MAB303
Credit Points: 12 Contact Hours: 4 per week

MAB648 STATISTICS 2B
Single and multiple regression analysis, prediction and estimation; use of Minitab package, residual plots; blocking, 2 and 3 factor designs, general theory for 2k designs, additive and interaction models; orthogonal contrasts. Courses: BS50, ED50, IF34, IF42, IF44, IF58, MA34, SC30
Prerequisite: MAB348
Credit Points: 12 Contact Hours: 4 per week

MAB795 SURVEY MATHEMATICS 3
Prerequisite: MAB496
Credit Points: 6 Contact Hours: 3 per week

MAB893 ENGINEERING MATHEMATICS 3
Data analysis in engineering contexts with emphasis on real data and use of computer packages; estimation, testing, SPC, regression, ANOVA, reliability. Courses: CE42, EE43, EE44, IF23, IF54, ME45, ME46, PS47
Prerequisites: MAB187, MAB188
Credit Points: 8 Contact Hours: 3.5 per week

MAB894 ENGINEERING MATHEMATICS 4
The simultaneous partial differential equations of Maxwell; the three-dimensional wave equation; vector analysis; mathematical problems involving Maxwell's equations; complex variable; Cauchy-Riemann equations; Laurent series. Courses: EE43, EE44, IF23
Prerequisite: MAB493
Credit Points: 6 Contact Hours: 3 per week

MAB906 TOPICS IN ANALYSIS
Convergence in R; uniform convergence; measure theory: measurable sets and functions; Lebesgue integrals; metric spaces, contraction mapping principle; normed and Banach spaces, dual spaces and linear operators; Hilbert spaces, O N basis, self-adjoint operators. Courses: IF34, IF44, IF49, IF58, MA34, SC30, SC60, SC80
Prerequisite: MAB601
Credit Points: 12 Contact Hours: 4 per week

MAB907 STATISTICS 3A
Methodology and theory of statistical inference; likelihood and its uses; large sample results, exponential family and its importance; statistical methodology for all linear models; diagnostics and assessing assumptions; introduction to generalised linear models. Courses: IF34, IF42, IF44, IF58, MA34, SC30
Prerequisites: MAB647, MAB648, MAB303
Credit Points: 12 Contact Hours: 4 per week
MAB908 STATISTICS 3B
Experimental design; response surfaces; optimal design; transformations, diagnostics, influential observations, some EDA, likelihood, deviance.
Courses: IF34, IF42, IF44, IF58, MA34, SC30
Prerequisite: MAB648
Credit Points: 12 Contact Hours: 4 per week

MAB911 COMPUTATIONAL MATHEMATICS 3A
Zeros of polynomials; solution of special types of matrix systems by direct methods; matrix and vector norms, eigenvalues and eigenvectors; solutions to systems of linear equations by indirect methods; solution of non-linear equations; ordinary differential equations (ODEs); the eigenvalue problem.
Courses: IF42, IF44, IF58, MA34, SC30
Prerequisite: MAB618 Corequisite: MAB630
Credit Points: 12 Contact Hours: 4 per week

MAB912 CONTINUUM MODELLING
Revision of elementary vector analysis; vector field theory; curvilinear coordinates; mathematical models of fluid motion including circulation and vorticity; Bernoulli equation and applications; incompressible potential flow; equations of motion and some exact solutions of the Navier-Stokes equations; introduction to the use of a computational fluid dynamics package, FLUENT.
Courses: IF42, IF44, IF58, MA34, SC30, SC60
Prerequisite: MAB601, MAB612
Credit Points: 12 Contact Hours: 4 per week

MAB913 COMPUTATIONAL MATHEMATICS 3B
Hilbert spaces; the projection theorem; application to discrete polynomial and trigonometric approximation; Legendre polynomials; Gaussian quadrature; Chebyshev polynomials; Chebyshev approximation. Reduction of a matrix to upper Hessenberg form by similarity transforms, orthogonal reductions, Givens and Householder methods, determination of eigen-systems by the QR algorithm, emphasis on symmetric matrices. Stability analyses for IFVs, types of instability, inherent and induced, partial instability. Partial differential equations (PDEs)
Courses: IF42, IF44, IF58, MA34, SC30, SC60, SC80, IF49
Prerequisite: MAB911
Credit Points: 12 Contact Hours: 4 per week

MAB927 OPERATIONS RESEARCH 2A
Algorithms of linear programming; integer and mixed integer programming; non-linear programming; dynamic programming; heuristic methods.
Courses: IF34, IF42, IF58, MA34, SC30
Prerequisite: MAB638
Credit Points: 12 Contact Hours: 4 per week

MAB928 OPERATIONS RESEARCH 2B
Simulation; queueing theory; decision analysis; implementation in operations research.
Courses: IF34, IF42, IF58, MA34, SC30
Prerequisite: MAB637
Credit Points: 12 Contact Hours: 4 per week

MAB929 TIME SERIES & STATISTICAL FORECASTING
Fundamentals of time series analysis; time series models; non-stationary processes; seasonal ARIMA models; exponential smoothing; transfer function analysis; vector autoregression; combined forecasts; state-space models and the Kalman filter.
Courses: IF34, IF42, IF44, IF58, MA34, SC30, SC60, SC80, IF49
Prerequisites: MAB601, MAB647, MAB648
Credit Points: 12 Contact Hours: 4 per week

MAB933 MATHEMATICAL BIOLOGY
Population ecology, using both discrete and continuous models; predator-prey interactions; enzyme kinetics; epidemics and developmental biology.
Courses: IF34, IF58, MA34, SC30
Prerequisites: MAB601, MAB612, MAB632
Credit Points: 12 Contact Hours: 4 per week

MAB941 MATHEMATICAL MODELLING IN ECONOMICS
Differential and difference equations in economic dynamics; multi-market equilibrium; equilibrium of dynamic macroeconomic models; stability; optimal control theory.
Courses: IF34, IF58, MA34, SC30
Prerequisites: MAB601, MAB618
Credit Points: 12 Contact Hours: 4 per week

MAB942 OPTIMISATION METHODS
Numerically based algorithms for function optimisation and non-linear equation solving; classical methods of optimising non-linear functions with non-linear inequality constraints; global optimisation strategies.
Courses: IF34, IF42, IF44, IF58, MA34, SC30, SC80
Prerequisites: MAB601, MAB618
Credit Points: 12 Contact Hours: 4 per week

MAB960 PROJECT WORK
Projects vary in nature and may involve the collection and evaluation of mathematical techniques in some field of interest or the formulation of a problem of interest and the derivation of a solution. Practical community/industry orientated projects are encouraged. Each project is undertaken by a student, or group of students, and is supervised by a member of staff who provides guidance throughout the duration of the project.
Courses: IF34, IF58, MA34, SC30
Prerequisites: Successful completion of at least 192 credit points including at least two units from List D of the course requirements
Credit Points: 12 Contact Hours: 4 per week

MAB970 PROBABILITY THEORY & STOCHASTIC PROCESSES
Probability measures, conditional probability; distributions and random variables. Convergence of random variables; strong and weak laws of large numbers; central limit theorems. Markov processes; birth and death queues; epidemics; inference. Point processes: marked point processes; filtered processes; inference, simulation. Branch process.
Courses: IF34, IF42, IF58, MA34, SC60, SC30, SC80, IF49
Prerequisite: MAB647
Credit Points: 12 Contact Hours: 4 per week

MAB971 ADVANCED MATHEMATICS OF FINANCE
Background to investment, investment objectives and philosophy; pricing yields and analysis of financial transactions; operations of futures and options markets. Mathematical aspects of pricing derivative securities.
Courses: IF34, IF58, MA34, SC30, SC60, SC80
Prerequisite: MAB641
Credit Points: 12 Contact Hours: 4 per week

MAB973 PARTIAL DIFFERENTIAL EQUATIONS
Derivation of first and second order partial differential equations; solution of partial differential equations by characteristics, separation of variables and Laplace and Fourier transforms; a study of Schrodinger's wave equation.
Courses: IF34, IF42, IF44, IF58, MA34, SC30, SC60, SC80
Credit Points: 12  Contact Hours: 4 per week

**MAB974 SAMPLING & SURVEY TECHNIQUES**
Random sampling; estimates; design of questionnaires; data quality and errors in surveys; systematic, cluster and double sampling plans; implication techniques; alternatives to household surveys.
Courses: IF34, IF42, IF58, MA34, SC30, SC60, SC80
Prerequisites: MAB601, MAB602, MAB612
Credit Points: 12  Contact Hours: 4 per week

**MAB975 ORDINARY DIFFERENTIAL EQUATIONS & CHAOS**
Ordinary differential equations; eigenvalues of systems of ordinary differential equations; system stability using phase plane portraits; bifurcations; chaotic systems; analytic and numerical solution of equations describing systems with singular and chaotic behaviour; iterative maps; Mandelbrot and Julia-type fractals.
Courses: IF49, SC60, SC80, IF49
Prerequisites: MAB901, MAB601, MAB612, MAB911
Credit Points: 12  Contact Hours: 4 per week

**MAB976 RELIABILITY & SURVIVAL ANALYSIS**
Failure rates; life distributions and inference; extreme values; fitting tails; flood data; IFR, NBU; system reliability; censored sampling; Cox's proportional hazards model; competing hazards.
Courses: SC60, SC80, IF49
Prerequisites: MAB647, MAB648
Credit Points: 12  Contact Hours: 4 per week

**MAB977 SCHEDULING & NETWORKS**
Inventory systems; production planning and scheduling; aggregate planning and master scheduling; requirement planning; LP, LDR and SDR techniques. Scheduling problems, sequencing problems, flow-shop and job shop scheduling problems. Network flows.
Courses: SC60, SC80
Prerequisites: MAB927, MAB928
Credit Points: 12  Contact Hours: 4 per week

**MAB978 STATISTICAL SIGNAL PROCESSING & IMAGE ANALYSIS**
Courses: IF44, SC60, SC80, IF49
Prerequisite: MAB929
Credit Points: 12  Contact Hours: 4 per week

**MAB979 STATISTICAL MODELLING & DATA ANALYSIS**
Robust procedures and principles: influence function; robust estimation; simulation studies; M-estimation. Distribution theory of statistics based on ranks. Robust regression. EDA; graphics; model choice, assessment and fitting: distributional families used in data analysis, inference studies and simulations; transformations, including Box-Cox. Outliers.
Courses: SC60, SC80, IF49
Prerequisites: MAB601, MAB907
Credit Points: 12  Contact Hours: 4 per week

**MAB980 STOCHASTIC PROCESSES & APPLICATIONS**
Gaussian processes; Brownian motion; diffusions; stochastic processes; martingale; random walks; central limit theorems; epidemic models; queuing models; stochastic compartment models; extreme value theory for stochastic processes.
Courses: SC60, SC80, IF49
Prerequisites: MAB970 or (MAB906, MAB929)
Credit Points: 12  Contact Hours: 4 per week

**MAB981 APPLIED STATISTICAL INFERENCE**
Modern approaches to data analysis and inference; estimating equations and their generalisation; applications of these methods; likelihood techniques, analytical and numerical methods; Bayesian techniques and computational methods; applications. Sample reuse methods (bootstrapping, etc.)
Courses: SC60, SC80, IF49
Prerequisites: MAB630, MAB907, MAB908
Credit Points: 12  Contact Hours: 4 per week

**MAB984 ACTUARIAL STATISTICS**
Distribution theory; actuarial models and data; financial stochastic models and their use in problem-solving; credibility, utility and risk theory; loss and ruin models; premium analysis.
Courses: SC60, SC80
Prerequisite: MAB907
Credit Points: 12  Contact Hours: 4 per week

**MAB985 COMPUTATIONAL MATHEMATICS 4**
Courses: SC60, SC80, IF49
Prerequisite: MAB911
Credit Points: 12  Contact Hours: 4 per week

**MAB986 MATHEMATICAL MODELLING OF INDUSTRIAL PROCESSES**
Solution of the steady/unsteady heat conduction equation with: variable thermal conductivity, different types of boundary conditions, irregular boundaries, moving interfaces, eg. solidification, non-linear forms, e.g. natural convection, point sources. Derivation and discussion of the viscous fluid flow equations: primitive form of equations, stream function and vorticity transport form, conservative and non-conservative forms, stability solving the equations numerically, boundary conditions.
Courses: SC60, SC80, IF49
Prerequisites: MAB973, MAB601, MAB913
Corequisite: MAB985
Credit Points: 12  Contact Hours: 4 per week

**MAB987 OPTIMISATION OF CONTROLLED PROCESSES**
Calculus of variations, Lagrange formulation, Mayer formulation, Bolza formulation, constraints, corner conditions, transversal conditions. Pontryagin's maximum principle. Relationship of the above to dynamic programming. Practical applications of the above to: design of optimal control strategies, time optimal control, optimal continuous scheduling.
Courses: SC60, SC80, IF49
Prerequisites: MAB601, MAB612
Credit Points: 12  Contact Hours: 4 per week

**MAB989 PROJECT**
Project and thesis component of Honours course (SC60).
Course: SC60
Corequisite: Approved Honours program
Credit Points: 36
■ MAN001 READING COURSE 1
Provides the candidate with the appropriate background at an advanced level necessary for the completion of a research program.
Course: SC80 Credit Points: 8

■ MAN002 READING COURSE 2
See MAN001.
Course: SC80 Credit Points: 12

■ MAN009 EXPERIMENTAL DESIGN AND STATISTICAL ANALYSIS
The development of further statistical understanding and techniques for researchers in other areas.
Courses: AP22, BN71, BN72, BN73, BS81, BS83, BS84, BS85, BS87, CE74, CN77, CS36, ED11, ED12, ED13, EE75, EE78, HL50, HL52, HL58, HL88. IF49, IS80, IT84, LS85, ME76, NS64, NS85, PH80, PU65, PU69, SC80
Prerequisites: At least one undergraduate statistics unit
Credit Points: 12 Contact Hours: 4 per week

■ MAN012 ADVANCED STUDIES
Advanced studies in quality management concepts and techniques with emphasis on the application of statistics.
Course: SC60
Prerequisites: Permission of the Head of School
Credit Points: 12 Contact Hours: 4 per week

■ MAN120 QUANTITATIVE SYSTEMS ANALYSIS
The use of quantitative models in the solution of problems for quality systems, model formulation, inventory systems, production planning and scheduling and simulation.
Course: IF66 Credit Points: 6 Contact Hours: 3 per week

■ MAP111 STATISTICAL METHODS IN QUALITY
Describing variation, boxplot, histogram, estimation of process parameters, misuse of measures. Normal distribution; application to quality phenomena, probability paper. Important distributions for describing quality-related phenomena by attribute; hypergeometric, binomial, Poisson, approximations. Sampling distributions; interval estimation for normal and binomial, test of hypothesis, consumer and supplier risks, tests for binomial parameter and process mean, tests for comparing process means, paired data and independent samples.
Course: IF69 Credit Points: 6 Contact Hours: 3 per week

■ MAP212 STATISTICAL QUALITY CONTROL
Control chart concept; variable charts for location and dispersion, pattern analysis, interpretation. Process capability; natural tolerance, capability index. Modified control charts. Attribute charts; p, c and u charts. Cusum technique; variable data, procedures. V mask, decision interval, computation to attribute data. Attribute batch sampling, OC curve, sampling plans (single, double, multiple, sequential), switching rules. Rectifying inspection; Dodge Romig schemes, LTPD. Sampling by variables; procedures, sampling plans, inspection rules.
Course: IF69 Credit Points: 12 Contact Hours: 3 per week

■ MAP222 QUALITY IMPROVEMENT
Flow charts; deployment, layout, top down. Pareto analysis; stratified data, frequency versus cost. Cause and effect diagram; dispersion analysis, process classification. Correlation analysis; scattergram, percentage variation explained, several predictors. Affinity diagrams, etc. Decision making techniques; brainstorming, multivoting, nominal group technique. Quality improvement teams and quality circles. Quality improvement roadmaps; project identification, improvement plan, strategies. PDCA cycle, seven-step improvement process, team building.
Course: IF69 Credit Points: 12 Contact Hours: 3 per week

■ MAS090 MATHEMATICS
This intensive unit is aimed at providing an appropriate background for those undertaking tertiary courses in science, business or other areas which require competence in certain mathematical areas. Topics include: algebra, analytical geometry, trigonometry, differential and integral calculus, matrices, statistics. The treatment assumes some initial knowledge of basic algebra, such as manipulation of indices and factorisation, and elementary trigonometry at a level equivalent to Year 10 Advanced Mathematics.
Course: BN10 Credit Points: 6 per semester
Contact Hours: 3 per week

■ MDB300 TEACHING IN THE INFORMATION AGE
The impact of information technology on education; the concept of an information society; how what is defined as knowledge is contested and changed by information technology; strategies for learning and teaching using information technology. Practical skills using computer hardware and software communication technology and multimedia are developed with a view to appropriate implementation within the curriculum.
Courses: ED37, ED50, ED51, ED52, ED54 Credit Points: 12 Contact Hours: 3 per week

■ MDB325 BIOLOGY CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54 Prerequisites: Normally the completion of 48 credit points in each relevant discipline area.
Credit Points: 12 Contact Hours: 3 per week

■ MDB326 BIOLOGY CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED54 Prerequisite: MDB325 Credit Points: 12 Contact Hours: 3 per week

■ MDB327 CHEMISTRY CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54 Prerequisites: Normally the completion of 48 credit points in each relevant discipline area.
Credit Points: 12 Contact Hours: 3 per week
MDB328 CHEMISTRY CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED54
Prerequisite: MDB327
Credit Points: 12
Contact Hours: 3 per week

MDB329 COMPUTING CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54, IT20
Prerequisite: Normally the completion of 48 credit points in each relevant discipline area.
Credit Points: 12
Contact Hours: 3 per week

MDB330 COMPUTING CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED51, ED52, ED54, ED37
Prerequisite: MDB329
Credit Points: 12
Contact Hours: 3 per week

MDB331 EARTH SCIENCE CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54
Prerequisite: Normally the completion of 48 credit points in each relevant discipline area.
Credit Points: 12
Contact Hours: 3 per week

MDB332 EARTH SCIENCE CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED54
Prerequisite: MDB331
Credit Points: 12
Contact Hours: 3 per week

MDB333 MATHEMATICS CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54
Prerequisite: Normally the completion of 48 credit points in each relevant discipline area.
Credit Points: 12
Contact Hours: 3 per week

MDB334 MATHEMATICS CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED54
Prerequisite: MDB333
Credit Points: 12
Contact Hours: 3 per week

MDB335 PHYSICS CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54
Prerequisite: Normally the completion of 48 credit points in each relevant discipline area.
Credit Points: 12
Contact Hours: 3 per week

MDB336 PHYSICS CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED54
Prerequisite: MDB335
Credit Points: 12
Contact Hours: 3 per week

MDB337 SCIENCE CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54
Prerequisite: Normally the completion of 48 credit points in each relevant discipline area.
Credit Points: 12
Contact Hours: 3 per week

MDB338 SCIENCE CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED54
Prerequisite: MDB337
Credit Points: 12
Contact Hours: 3 per week

MDB339 MATHEMATICS EDUCATION
Key concepts and skills in the domains of per cents, rate, ratio, chance and data, pre-algebra and geometry. Focus on developing appropriate teaching episodes within these domains. Special emphasis on the teacher as 'sensemaker'.
Course: ED51
Prerequisite: MDB339
Credit Points: 12
Contact Hours: 3 per week

MDB340 MATHEMATICS & TECHNOLOGY EDUCATION
Builds on the understandings developed in MDB302 and MSB339. Exploration of issues concerned with the teaching of measurement and mathematical problem solving; investigation of how information technology can be used to facilitate the development of high-level learning skills in mathematics and other areas in the primary school.
Course: ED51
Prerequisites: MDB302, MDB339
Credit Points: 12
Contact Hours: 3 per week

MDB341 SCIENCE EDUCATION
The role of particular psychological, developmental and sociological approaches which play a significant role in science curriculum and development. The process skills and manipulative skills associated with science. Com-
parison of existing approaches to teaching science. Science development associated with mathematics and language development. Resources for science education. Development and implementation of units of work.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

**MDB342 COMPUTERS IN THE SCHOOL CURRICULUM**

Designed to provide teachers with a framework for investigating the present and future influence of computers on curriculum development in educational institutions.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

**MDB343 DIAGNOSIS & REMEDIATION IN MATHEMATICS**

Overview of numerical and conceptual learning difficulties in mathematics; learning experiences in various areas of mathematics; utility of mathematics in real life situations; examination of mathematics in other curricula areas; learning experiences in the integration of mathematical topics; use of hand-held calculator and the computer as aids to conceptual development and as practical tools; error analysis and diagnostic inventories; remedial strategies.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

**MDB344 INITIATIVES IN SCIENCE EDUCATION**

Exploration of alternative practices in science education particularly through the development of research-based project work for children, the extended excursion or field trip and involvement in community sponsored and/or related science activities and events.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

**MDB345 SOFTWARE DEVELOPMENT FOR EDUCATIONAL CONTEXTS**

Algorithmic thinking and its implementation form a major component within the Information Processing and Technology syllabus now implemented in secondary schools. Prospective teachers of courses such as these require a sound foundation in the design and development of software along with the use of modern abstract procedural, data and object handling representations. Software design and development are closely bound to particular problems contexts. This unit is based on the design of educational software because this area is relevant to the students concerned and because there is a clear demand for such software. Students in this unit will employ a range of powerful programming techniques and structures in the development of educational computer software.
Course: ED50
Prerequisite: CSB860
Credit Points: 12
Contact Hours: 3 per week

**MDB347 EXCURSIONS IN MATHEMATICS**

An invitation to explore some interesting byways off the high road of mathematics. Discover some intriguing diversions to add quality to your lessons.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

**MDB348 HISTORY OF MATHEMATICS**

Methods to record numbers; early view of number (fact and fantasy); numeration systems used today; early methods of calculation from ancient times, to Napier's logarithms to the modern computer; contributions of mathematicians including the Greeks, Fibonacci, Pascal, Euler, Gauss, Galois, Fermat, Turning; major historical developments in content areas of geometry, algebra, probability and modern day applications involving measurement.
Course: ED51, ED52
Prerequisites: First three semesters of the course
Credit Points: 12
Contact Hours: 3 per week

**MDB349 MATHEMATICAL REASONING**

The concept of thinking and intelligence; the nature of mathematical thinking during the first half of this century; modern ideas on the nature of mathematical thinking; the thinking skills movement and programs designed to foster thinking; analysis of children's thinking in solving mathematical problems; analysis of students' 'everyday cognition' together with their thinking in mathematical situations.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

**MDB375 COMPUTING TOOLS FOR TEACHERS**

The use of writing and publishing software, graphics design software, computer managed learning development tools, numerical software tools, personal and project management tools, communications technologies and computer peripherals used in the production of computer generated materials.
Course: ED50
Credit Points: 12
Contact Hours: 3 per week

**MDB377 PROJECT PLANNING & IMPLEMENTATION FOR EDUCATIONAL PURPOSES**

The study of computing and its application in educational and other environments is very much associated with planned and sequenced implementation of tasks. A study and understanding of how tasks might be represented, sequenced and implemented is essential if technology is to be used effectively in education. The use of project work as a pedagogical technique is a popular strategy to promote independent learning and student autonomy. This unit provides students with a framework to evaluate this methodology.
Course: ED50
Prerequisite: MDB375
Credit Points: 12
Contact Hours: 3 per week

**MDB378 EARTH & SPACE**

Examination of scientific concepts in important areas of space, time and motion, the origin and history of earth and its environments. Scientific principles and techniques for observing space and earth phenomena are investigated. Strategies for incorporating this knowledge in teaching settings.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

**MDB379 SCIENCE & SURVIVAL**

Examination of a range of scientific concepts in the area of matter and energy and how these concepts are applied in a technological context. On a broader horizon, the scientific principles underlying major innovations, disasters and controversial issues are examined. Strategies for incorporating this knowledge in a teaching situation.
Course: ED51
Credit Points: 12
Contact Hours: 3 per week

**MDB380 TECHNOLOGY & LIFE SCIENCE**

The interaction of organisms and their physical environment; the human influence in the biosphere; how technology empowers communities to exploit and/or protect biological systems and the integrity of the earth as humanity experiences it today. This unit focuses on the use of instrumentation and technology in the area of science research in the life sciences and investigates how this technology can be adapted to practice in primary classrooms.
Course: ED51  
Credit Points: 12  
Contact Hours: 3 per week

**MDB381 SCIENCE AND TECHNOLOGY IN THE COMMUNITY AND WORKPLACE**

Development of an awareness of how science and technology pervade most aspects of our daily lives in communities and workplaces. The implications of a rapidly changing scientific and technological base of industry; increasing involvement of the public in national and international decision-making; the need for a scientifically literate society. Practical exercises and projects are also undertaken.

Course: ED54  
Credit Points: 12  
Contact Hours: 3 per week

**MDB382 PROBLEM SOLVING, CRITICAL THINKING AND FUTURING**

Reviews state-of-the-art concepts and practices from problem solving, critical thinking, and futuring knowledge bases which have practical applications in the adult education and human resource development field. Participants may enhance their professional effectiveness in performing administrative, instructional, and program development responsibilities through modern practice.

Course: ED54  
Credit Points: 12  
Contact Hours: 3 per week

**MDB383 USING INFORMATION TECHNOLOGIES IN THE CURRICULUM**

Examination and analysis of relevant curriculum documents, e.g. National Technology Statement, Queensland Education Department. Guidelines for the Use of Computers in Learning, curriculum developed as a result of the Wiltshire Report. Content will include models for learning with information technology; models for learning about information technology; and managing information technology resources.

Course: ED51  
Credit Points: 12  
Contact Hours: 3 per week

**MDB384 SCIENCE EDUCATION**

Science curriculum development and implementation will examine the growth of children's understandings of key concepts in science. The development of their scientific thinking and manipulative skills will also be investigated in conjunction with this. Extended sequences of learning experiences, or programs, will be planned and implemented.

Course: ED51  
Credit Points: 12  
Contact Hours: 3 per week

**MDB385 INFORMATION TECHNOLOGIES IN EDUCATION**

A critical reflection on the history of technological development and the social impact of these developments combined with issues relating to the uses of information technologies in teaching and learning. Lecture sessions with workshop and laboratory sessions will assist students to become competent in applying information technologies to academic tasks accessing electronic information sources, creating documents, engaging in computer-based dialogues, analysing, evaluating.

Course: ED52  
Credit Points: 12  
Contact Hours: 3 per week

**MDB386 MATHEMATICS FOUNDATIONS**

This unit will introduce prospective teachers in the primary school to those elements that are important to mathematics today. The unit will begin by exploring the ideas of mathematics in today's society. The unit will then look at the history of mathematics relating to mathematics as it is presented in modern day classrooms. The historical analysis will look at the development of the structure of the unit. From this introduction, the formal connections between the disciplines - number, geometry and measurement - will be further analysed. The students will see that mathematics is a discipline with applications that are used today.

Course: ED52, ED51  
Credit Points: 12  
Contact Hours: 3 per week

**MDB387 SCIENCE FOUNDATIONS**

This unit will develop students' understandings of fundamental concepts related to natural and processed materials, energy, change and growth. Students will also examine issues such as the nature of science, the historical development of major concepts of science, the development of communication in science, and the relationship of science to society. Students will engage in the processes of working through practical hands-on activities, discussions and debates, and small project work.

Course: ED52, ED51  
Credit Points: 12  
Contact Hours: 3 per week

**MDB388 GAMING AND CHANCE**

Discover the world of probabilistic mathematics, gaming, expectation and decision-making through games and activities that have application in mathematics teaching.

Course: ED52, ED51  
Credit Points: 12  
Contact Hours: 3 per week

**MDB389 LIFE AND LIVING PROCESSES**

The interaction of organisms and their physical environment will be investigated, in particular, the human influence on the biosphere. The role of technology in empowering communities to exploit and/or protect biological systems and the integrity of the earth as humanity experiences it today will also be studied. Energy and energy changes, energy resources and the responsible use of those resources will be considered.

Course: ED52, ED51  
Prerequisite: MDB387  
Credit Points: 12  
Contact Hours: 3 per week

**MDB390 NATURAL AND PROCESSES MATERIALS**

This unit continues the development of students' content knowledge in science by examining a range of scientific concepts that contribute to an understanding of science in a technological context. The focus will be on the exploitation of natural and processed materials and a consideration of the environment and social costs and benefits associated with the use of those materials.

Course: ED52, ED51  
Prerequisite: Life and Living Processes  
Credit Points: 12  
Contact Hours: 3 per week

**MDB391 EARTH AND SPACE**

The unit examines scientific concepts in important areas of space, time and motion, the origin and history of earth and its environments, and light and optics. Scientific principles and techniques for observing space and earth phenomena will also be investigated.

Course: ED52, ED51  
Prerequisite: MDB390  
Credit Points: 12  
Contact Hours: 3 per week

**MDB392 EDUCATIONAL COMPUTING ENVIRONMENTS**

An introduction to computer systems, including an understanding of computer systems and networks used in education. The focus will be on the technical management of personal and networked systems commonly found in schools. Students will use an appropriate educational programming language to apply their understandings of computer systems to a practical situation.

Course: ED52, ED51  
Credit Points: 12  
Contact Hours: 3 per week

**MDB393 NETWORKED COMMUNICATIONS**

This unit examines how a number of computer-linked communities can provide access to information and re-
sources that teachers may use both personally and professionally. Students will use such things as local and wide area networks, electronic information services, Internet, and the World Wide Web to participate in global and local communities and contribute to the resources available to these communities.

Course: ED52, ED51
Credit Points: 12 Contact Hours: 3 per week

- **MDB394 CHOOSING SOFTWARE FOR EDUCATIONAL CONTEXTS**
  Through an examination of specific items of educational software, students will develop a set of criteria for evaluating such software. Software will include computer-based learning and computer-based managed learning materials, multimedia materials delivered via CD-rom or other computer-based media, and software designed to promote the development of higher order thinking and communicative skills.

Course: ED52, ED51
Credit Points: 12 Contact Hours: 3 per week

- **MDB410 COMPUTERS IN THE SCHOOL CURRICULUM**
  The introduction of computers into the school environment and curriculum; methods for teaching computer studies; the use of computers for classroom management and support; computer technology and its impact on schools and society. Access to an appropriate microcomputer is required.

Course: ED26
Credit Points: 12 Contact Hours: 3 per week

- **MDB411 EARLY CHILDHOOD MATHEMATICS TEACHING, LEARNING AND ASSESSMENT**
  Theoretical background and research; logical sequence of mathematics and children’s cognitive development; content and learning experiences for early childhood; integration and application.

Course: ED26, ED61
Credit Points: 12 Contact Hours: 3 per week

- **MDB414 LEARNING ENVIRONMENTS USING INFORMATION TECHNOLOGY**
  In this unit, students will explore the contribution that advanced information technologies can make to teaching and learning. Students will gain exposure to applications of technology such as multimedia materials and authoring software, the Internet, the World Wide Web, and CD-rom based materials. They will be required to apply these to a variety of curriculum settings.

Course: ED50
Credit Points: 12 Contact Hours: 3 per week

- **MDB417 ASSESSING THE MATHEMATICAL AND SCIENTIFIC ABILITIES OF STUDENTS**
  This unit focuses on the identification, investigation and assessment of the mathematical and/or scientific abilities of students and the examination and implementation of strategies for enhancing and modifying those abilities. This unit has a major practical and research oriented component generally undertaken in a school setting. The mathematical and/or scientific abilities of studies can be related to any secondary subject.

Course: ED50
Credit Points: 12 Contact Hours: 3 per week

- **MDB418 CREATING MULTIMEDIA ENVIRONMENTS FOR TEACHING AND LEARNING**
  The use of interactive technology in the teaching/learning processes; approaches to and uses of computer aided learning including hypermedia authoring systems such as Hypercard and Toolbook and their application in multimedia environments. Students will be involved in designing and producing an interactive learning environment using appropriate authoring software.

Course: ED51
Credit Points: 12 Contact Hours: 3 per week

- **MDB419 MAPPING CHILDREN’S LEARNING OF MATHEMATICS**
  This unit will focus on strategies and techniques for mapping children’s range of knowing, knowledge building and reasoning in mathematics; and for using this to provide a framework for guiding future learning. Students will act as teacher-researchers in a school based context, working with children to gain insight into their conceptions of mathematics and its learning and development, and implementing programs to enhance learning.

Course: ED51
Credit Points: 12 Contact Hours: 3 per week

- **MDB429 INITIATIVES IN SCIENCE EDUCATION**
  In this unit students will have the opportunity to explore alternative practices in science education, particularly through the development of research-based project work for children, the extended excursion or field trip and involvement in community-sponsored and/or related science activities and events. An emphasis will be placed on catering for the individual and providing experiences which fully extend each child, including the exceptional child.

Course: ED51
Credit Points: 12 Contact Hours: 3 per week

- **MDB440 COMPUTERS & EDUCATION**
  An overview of microcomputer hardware and software with an emphasis on the usefulness of various components in schools; use of educationally valuable application software; critical examination of a variety of uses of computers in education; the impact of computers on society and education in particular.

Course: ED26
Credit Points: 12 Contact Hours: 3 per week

- **MDB444 SCIENCE CURRICULUM**
  Review of direction for science education nationally and globally; critical evaluation of current practice and curricula; review of how students learn science with reference to current research; application of these principles to changes in curriculum and teaching strategies; design implementation and evaluation of curriculum change.

Course: ED26
Credit Points: 12 Contact Hours: 3 per week

- **MDB446 SCIENCE FOR EARLY CHILDHOOD**
  Science for young children; theoretical background of science education; development of process and manipulative skills; the role of the teacher in a child-centred science curriculum.

Course: ED26
Credit Points: 12 Contact Hours: 3 per week

- **MDB447 MATHEMATICS CURRICULUM**
  Recent developments in the teaching and learning of mathematics; identification of effective curriculum models and teaching strategies for mathematics; understanding the content of school mathematics; developing and evaluating curriculum applications.

Courses: ED26
Credit Points: 12 Contact Hours: 3 per week

- **MDB448 MATHEMATICS TEACHING, LEARNING & ASSESSMENT**
  This unit focuses on recent trends in the teaching and assessment of mathematics in school and post-compulsory education. The ideas from recent reports and relevant theories are applied to specific areas of the math-
ematics curriculum to develop practical teaching and assessment plans. Part of the unit allows participants to specialise in the use of a specific approach including problem solving and the use of historical topics.

Course: ED26  
Credit Points: 12  
Contact Hours: 3 per week

**MDN615 CURRICULUM STUDIES IN MATHEMATICS, SCIENCE OR TECHNOLOGY EDUCATION**

A study of curriculum in one of the major areas of study in mathematics, science or technology education. Examples of topics to be addressed include: curriculum theory and design; intended, developed and enacted curriculums; curriculum implementation and evaluation; historical considerations; current curriculum considerations.

Courses: ED13, ED61  
Credit Points: 12

**MDN616 PEDAGOGY IN MATHEMATICS, SCIENCE OR TECHNOLOGY EDUCATION**

The various factors that determine the effectiveness of the mathematics, science and technology learning environments. Factors considered include the role of the teacher, learning theories, social context. The unit achieves a balance between theoretical considerations and practical experience of the participants.

Courses: ED13, ED61  
Prerequisites: EDN601  
Credit Points: 12

**MDN619 TECHNOLOGICALLY SUPPORTED LEARNING AND TEACHING ENVIRONMENTS**

Computer-based software, equipment and educational settings as technological environments; models of interpreting technological environments; historical perspectives of learning/teaching technologies; design of technological environments.

Courses: ED13  
Credit Points: 12

**MDN620 STUDENT EVALUATION IN MATHEMATICS/SCIENCE/TECHNOLOGY EDUCATION: ASSESSMENT & INTERVENTION**

The major theoretical issues in assessment in mathematics, science and technology education. The role of assessment and intervention is discussed and expertise is developed in planning of assessment instruments and in their evaluation.

Courses: ED13, ED11  
Credit Points: 12

**MDN621 MATHEMATICAL AND SCIENTIFIC REASONING**

Recent theories and research in cognitive psychology and their application to mathematics and science education. Topics of study include the nature of mathematical and scientific knowledge and understanding, cognitive complexity, analogical reasoning, and problem solving and thinking in mathematics and science. The unit develops students' understanding of these issues so that they might apply this to their own teaching and research.

Courses: ED13, ED11  
Prerequisites: EDN601  
Corequisites: MDN616  
Credit Points: 12  
Contact Hours:

**MDP401 JUNIOR SCIENCE CURRICULUM STUDIES 1**

Development of basic proficiencies in teaching Junior Science. The unit is based upon current theories of learning and models of science education; laboratory safety and management.

Course: ED37  
Credit Points: 12  
Contact Hours: 3 per week

**MDP402 JUNIOR SCIENCE CURRICULUM STUDIES 2**

See MDP401. The opportunity to extend expertise with respect to a wide range of teaching strategies and learning contexts.

Course: ED37  
Prerequisite: MDP401  
Credit Points: 12  
Contact Hours: 3 per week

**MDP403 MATHEMATICS CURRICULUM STUDIES 1**

A foundation for the planning and implementation of mathematics instruction; learning theories; practical curriculum planning; school syllabuses and programs in mathematics are examined.

Course: ED37  
Credit Points: 12  
Contact Hours: 3 per week

**MDP404 MATHEMATICS CURRICULUM STUDIES 2**

See MDP403.

Course: ED37  
Prerequisite: MDP403  
Credit Points: 12  
Contact Hours: 3 per week

**MDP405 COMPUTER EDUCATION CURRICULUM STUDIES 1**

The broad issues of computer curricula; specific computer units in secondary schools, syllabus analysis, work program development. Management of computer studies and computer education in a school.

Course: ED37  
Credit Points: 12  
Contact Hours: 3 per week

**MDP406 COMPUTER EDUCATION CURRICULUM STUDIES 2**

Analysis of topics in computer studies programs, learning computer studies, assessment, teaching strategies, classroom management. Work unit development.

Course: ED37  
Prerequisite: MDP405  
Credit Points: 12  
Contact Hours: 3 per week

**MDP407 SENIOR SCIENCE CURRICULUM STUDIES 1**

The opportunity to develop basic proficiencies in teaching a senior science subject; teaching strategies which foster the development of complex reasoning and skill development.

Course: ED37  
Credit Points: 12  
Contact Hours: 3 per week

**MDP408 SENIOR AGRICULTURE CURRICULUM STUDIES 2**

See MDP408.

Course: ED37  
Prerequisite: MDP407  
Credit Points: 12  
Contact Hours: 3 per week

**MDP409 SENIOR BIOLOGY CURRICULUM STUDIES 2**

See MDP408.

Course: ED37  
Prerequisite: MDP407  
Credit Points: 12  
Contact Hours: 3 per week

**MDP410 SENIOR CHEMISTRY CURRICULUM STUDIES 2**

See MDP408.

Course: ED37  
Prerequisite: MDP407  
Credit Points: 12  
Contact Hours: 3 per week

**MDP411 SENIOR EARTH SCIENCE CURRICULUM STUDIES 2**

See MDP408.

Course: ED37  
Prerequisite: MDP407  
Credit Points: 12  
Contact Hours: 3 per week

**MDP412 SENIOR MARINE STUDIES CURRICULUM STUDIES 2**

See MDP408.

Course: ED37  
Prerequisite: MDP407  
Credit Points: 12  
Contact Hours: 3 per week
MDP413 SENIOR PHYSICS CURRICULUM STUDIES 2
See MDP408.
Course: ED37 Prequisite: MDP407
Credit Points: 12 Contact Hours: 3 per week

MDP450 MATHEMATICS, SCIENCE & TECHNOLOGY 1
The contexts of learning and processes by which effective
mathematics/science learning takes place; the nature
of mathematics/science and the rationale for mathe-
ematics/science education; theoretical constructs of cur-
rriculum development; approaches to teaching; key con-
cepts and processes; technology in mathematics/science
Teaching.
Course: ED36 Credit Points: 12 Contact Hours: 3 per week

MDP451 MATHEMATICS, SCIENCE & TECHNOLOGY 2
Application of key concepts and processes in mathe-
ematics/science; concepts and processes studied in Semester
1 transferred to other mathematics/science topics; de-
velopment of teaching episodes incorporating the con-
cepts and processes. Assessment and evaluation; dif-
ference between assessment and evaluation; nature and
types of assessment/evaluation. Child study: student se-
lects child and mathematics/science topic to assess; de-
velop instruments for assessment; analyse child’s per-
formance; develop individual program to cater for child’s
individual mathematical/scientific needs.
Course: ED36 Prequisite: MDP450
Credit Points: 12 Contact Hours: 3 per week

MDP503 INFORMATION SYSTEMS IN EDUCATION
Explores some of the characteristics and applications of
information systems in an educational context. How in-
formation is modelled, stored and retrieved using rela-
tional database techniques; the impact on society of the
use of information systems; the pedagogies associated
with teaching about and using information systems in
schools are explored.
Course: ED21, ED51, ED52
Credit Points: 12 Contact Hours: 3 per week

MDP504 SCHOOL ADMINISTRATION USING INFORMATION TECHNOLOGY
The use of information technologies in the administra-
tion of schools; explores a range of administrative pack-
ages; cost benefits and ethical implications.
Course: ED21, ED51, ED52 Prequisite: MDP532 or MDP530
Credit Points: 12 Contact Hours: 3 per week

MDP506 COMPUTER EDUCATION PROJECT
Offers students the opportunity to extend expertise
gained in earlier units in the Graduate Diploma in Educa-
tion (Computer Education). Under supervision, students
select a problem relevant to computer education and imple-
ment a solution.
Course: ED21, ED61
Credit Points: 12 Contact Hours: 3 per week

MDP507 TEACHING SECONDARY COMPUTER STUDIES
Investigates and develops the pedagogy and manage-
ment associated with Computer Studies courses currently
implemented in Queensland Secondary schools. Emphasis
is given to the Information Processing and Technology
syllabus and the Practical Computer Methods syllabus.
Course: ED21 Prequisite: MDP503, MDP532 Corequisite: MDP537
Credit Points: 12 Contact Hours: 3 per week

MDP508 COMPUTER USE IN THE PRIMARY CURRICULUM
Examines the extent to which computers may be used to
teach problem solving in the primary classroom through a
study of Logo, adventure games, simulations, and genu-
ine problem-solving software. In addition, the use of
popular software tools as aids to teaching and learning is
considered.
Course: ED21, ED56
Prerequisite: MDP537 or MDP532 or MDP530
Credit Points: 12 Contact Hours: 3 per week

MDP529 ASSESSMENT & REMEDIATION IN MATHEMATICS
Overview of numerical and conceptual learning diffi-
culties in mathematics; learning experiences in various
areas of mathematics; utility of mathematics in real life
situations; examination of mathematics in other curricu-
lum areas; learning experiences in the integration of
mathematical topics; use of hand-held calculator and the
computer as aids to conceptual development as prac-
tical tools; geometric and algebraic concepts across the
curriculum; error analysis and diagnostic inventories; remi-
dial strategies.
Course: ED28, ED61
Credit Points: 12 Contact Hours: 3 per week

MDP530 COMPUTER APPLICATIONS IN EDUCATION
Allows students to gain technological skills and under-
standing while investigating applications of these tech-
nologies in the context of teaching and learning. A wide
range of computer applications will be covered, includ-
ing writing, publishing, graphics, communications and
project management tools.
Course: ED21, ED61
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MDP505

MDP531 INVESTIGATIONS INTO COMPUTER-AIDED LEARNING
The use of interactive technology in the teaching/learn-
ing process; approaches to and uses of computer-aided
learning, hypermedia authoring systems such as
Hypercard, Linkways and Toolbook, and their applica-
tions in multimedia environments.
Course: ED21, ED56
Credit Points: 12

MDP532 COMPUTER SYSTEMS IN AN EDUCATIONAL CONTEXT
An introduction to educational computer systems; it in-
cludes a study of problem-solving using computers, the
architectures of computer systems, operating systems and
an introduction to computer programming using appro-
priate educational languages.
Course: ED21, ED61
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MDP501

MDP533 TEACHING INFORMATION SYSTEMS MODELLING
Designed for prospective teachers of information sys-
tem modelling; explores the pedagogies and approaches
appropriate for teaching students at a variety of levels
including a secondary school environment; development
and writing of specification documents for information
system implementation within an educational context;
tools such as relational languages and CASE used by
students to implement small educational information
systems.
Course: ED21 Prerequisite: MDP503
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MDP509
• MDP534 EDUCATIONAL APPLICATIONS OF ARTIFICIAL INTELLIGENCE
Artificial Intelligence (AI) as a discipline impacting on education, philosophical issues, and methods used in AI; focuses particularly on AI applications which cross broad areas of the school curriculum; provides appropriate curriculum support for teachers of the AI topic within the Information Processing and Technology unit at a secondary school level.
Course: ED21  Prerequisite: MDP535
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: CSP842

• MDP535 EDUCATIONAL SOFTWARE DEVELOPMENT
Data, procedural and object-orientated abstractions used in conjunction with modular programming practices. These understandings are used to solve problems from a wide range of practical educational applications especially with respect to the development of educational software.
Course: ED21  Prerequisite: MDP532
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: CSP837

• MDP536 COMPUTER GRAPHICS IN TEACHING
The use of computer graphics to enhance teaching and learning in a school environment. A problem-solving approach is employed and students are given the opportunity to apply what they are learning to their own curriculum areas.
Courses: ED21, ED61
Prerequisites: MDP532 or MDP530
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: CSP843

• MDP537 MAJOR ISSUES IN COMPUTER EDUCATION
The application and implication of the use of information technologies in an educational environment; the impact of teaching, learning and the curriculum.
Courses: ED21, ED61
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MDP502

• MEB010 DYNAMICS 1
Modelling methods and analysis; motion of relevant machines and mechanisms; fluids, transmissions and methods of measurement.
Course: BN30
Credit Points: 4  Contact Hours: 2 per week

• MEB012 DYNAMICS 2
Application of modelling techniques on machines and mechanisms; unbalanced forces in rotating bodies and gyroscopic effects; vibration; interaction of fluids and methods of measurement.
Course: BN30  Prerequisite: MEB010
Credit Points: 4  Contact Hours: 2 per week

• MEB031 MATERIAL TECHNOLOGY
A structure property approach to orthotic materials; plastics; rubber; metals; composites; failure modes; strength; creep; fatigue; resilience; selection procedures.
Course: PU45
Credit Points: 8  Contact Hours: 3 per week

• MEB035 SAFETY TECHNOLOGY 1
The importance and relevance of safety in the workplace; analysis of the accident process; hazards with machinery and materials failure.
Course: PU44
Credit Points: 8  Contact Hours: 3 per week

• MEB111 DYNAMICS
The principles of dynamics; kinetics of particles and systems of particles in plane motion; coordinate systems; relative motion; various methods for the solution of mechanisms; freebody diagrams; work-energy equations; impulse; momentum and impact.
Courses: EE43, EE44, EE45, IF56, ME35, ME45, ME46, ME47
Prerequisite: MAB187
Credit Points: 8  Contact Hours: 3 per week

• MEB134 MATERIALS I
Bonding; thermodynamics of solids; state and phase changes; defects; elasticity, plasticity and fracture; recovery diffusion; recrystallisation; hot and cold deformation; creep and fatigue mechanisms; heat treatment. Alloying and strengthening in metals, polymers and ceramics.
Courses: CE42, CE43, EE43, EE44, EE45, IF42, IF56, ME45, ME46, ME47
Credit Points: 8  Contact Hours: 3 per week

• MEB173 MANUFACTURING PRACTICE I
Workplace health and safety practices. Lectures and hands-on instruction on general fitting and fabrication; metal joining (electric and gas); metrology; industry visits.
Course: ME35
Credit Points: 8  Contact Hours: 3 per week

• MEB181 ENGINEERING COMMUNICATION
An introductory course in engineering graphics covering the application of the principles of geometric drawing to the preparation of engineering drawings. Topics include orthographic projection; auxiliary views; sectioning; use of manufacturing symbols; dimensioning and tolerancing; pictorial views and sketching; data presentation; oral and written reporting. Computer aided drafting is introduced.
Courses: CE31, CE42, CE43, EE43, EE44, EE45, IF56, ME35, ME45, ME46, ME47, IF25, IF42, IF44
Credit Points: 8  Contact Hours: 5 per week

• MEB191 ENGINEERING IN THE MEDICAL ENVIRONMENT
Overview of the health system in Australia; clinical disciplines within medicine; medical terminology; history of health technology; health technology from an engineering perspective; case studies.
Course: ME46
Credit Points: 8  Contact Hours: 3 per week

• MEB213 MECHANICS OF SOLIDS
Concepts of stress, strain and elasticity; analysis of stress and strain; stresses in simple beams; torsion of circular shafts; stresses in thin-walled pressure vessels; strain measurement and strain gauging.
Courses: IF56, ME35, ME45, ME46, ME47
Prerequisite: CEB184
Credit Points: 8  Contact Hours: 4 per week

• MEB221 ENGINEERING SCIENCE 1
Statics: forces in equilibrium; resolution of forces; friction; inertia and change of motion; application to connected bodies; dynamics of rotation; centripetal force; the hoist; periodic motion; balancing; work and energy; impulse and momentum; introduction to fluids at rest and in motion.
Courses: IF54, PS47, PS48, IF55
Prerequisite: MAB188
Corequisite: PHB172
Credit Points: 8
Contact Hours: 3 per week
- MEB275 MANUFACTURING PRACTICE 2
Workplace health and safety practices. Lectures and hands-on instruction on machine tools; industrial presses; foundry methods; component assembly. Industry visits.
Course: ME35
Prerequisite: MEB175
Credit Points: 8
Contact Hours: 3 per week
- MEB282 DESIGN 1
This introductory design course covers the selection of basic machine elements based on their function, size and capacity as part of a mechanical system. The course comprises mechanical design; power transfer; V-belt drives; chain drives; gear drives; machine components; introduction to, preparation and use of spreadsheets and databases.
Courses: IF56, ME35, ME45, ME47
Prerequisites: CEB184, MEB181 or MEB134
Corequisites: MEB111, MEB134 or MEB181
Credit Points: 8
Contact Hours: 4 per week
- MEB283 COMPUTER AIDED DESIGN AND DRAFTING
This subject will allow students to expand previously acquired 2DCAD expertise to main frame, surface and solid modelling and to customise menus for personal use.
Course: ME35
Credit Points: 8
Contact Hours: 4 per week
- MEB314 MECHANICS 1
Kinematic and dynamic analysis of planar linkages and mechanisms; link synthesis and its application to the design of mechanisms; determination of static and dynamic forces and torques due to inertia and other effects in mechanisms; balancing; design and synthesis of parts with specified motion using graphical and analytical methods; kinematic analysis of spur gears in mechanisms.
Courses: IF56, ME35, ME45, ME46, ME47
Prerequisites: CEB184, MEB111
Credit Points: 8
Contact Hours: 4 per week
- MEB333 BIOMATERIALS
Characterisation of materials; metallic, ceramic, polymeric implant materials; composites as biomaterials; structure-property relationships of biomaterials; tissue response to implants; soft tissue replacements; hard tissue replacements; implants.
Course: ME46
Prerequisite: MEB133 or MEB134
Credit Points: 8
Contact Hours: 3 per week
- MEB334 MATERIALS 2
Introduction to fracture mechanics; plastic zone size and limitation of linear elastic fracture mechanics (LEFM); application of LEFM to static design, stress corrosion cracking, and fatigue crack growth; characteristics of polymers and composites; review of engineering ceramics.
Courses: IF56, ME35, ME45, ME47
Prerequisites: MEB133 or MEB134
Credit Points: 8
Contact Hours: 4 per week
- MEB352 THERMODYNAMICS 1
Basics of engineering thermodynamics; reversibility; first and second laws of thermodynamics; liquid, vapour and gas; reversible non-flow processes; heat engine cycles; positive displacement expanders and compressors; multi-stage compressors; engine performance testing.
Courses: IF56, ME35, ME45, ME46, ME47
Credit Points: 8
Contact Hours: 4 per week
- MEB355 THERMOFLUIDS
This unit introduces students to principles of heat transfer, fluid power and more advanced application of fluid mechanics and thermodynamics. Unsteady fluid flow; dynamic similarity; rotodynamic machines; hydraulic fluid power systems; Rankine cycle and its application in steam power generation industry; vapour compression; gas turbines.
Courses: ME35
Credit Points: 8
Contact Hours: 3 per week
- MEB362 THERMOFLUIDS
Fluid properties; forces on fluids at rest; definition and applications of the continuum equation, the momentum equation and the energy equation; isentropic compressible flow including boundary layer effects; first and second laws of thermodynamics.
Course: EE43
Credit Points: 8
Contact Hours: 3 per week
- MEB363 FLUIDS 1
Fluid properties; forces on a fluid at rest; manometry; fluid pressure on submerged bodies; states of equilibrium; fluid flow; fluid flow and pressure drop in pipes; power transmission through pipelines; momentum and fluid flow; energy equation and fluid flow; applications of the momentum and energy equations; branching pipes.
Courses: IF53, IF56, ME35, ME45, ME46, ME47
Prerequisites: CEB184, PHB134, MAB188
Credit Points: 8
Contact Hours: 4 per week
- MEB381 DESIGN 2
Methodology for mechanical design: design of machine elements; design for strength and fatigue; computer aided design.
Courses: ME35, ME45, ME47
Prerequisites: CEB184, MEB101 or MEB282, MEB121 or MEB181
Corequisite: MEB314
Credit Points: 8
Contact Hours: 3 per week
- MEB409 PROJECT 2
Investigate and present a formal report on a mechanical engineering problem; project may be industry based or arise from applied research.
Course: ME45
Prerequisites: MEB502
Credit Points: 7
Contact Hours: 3 per week
- MEB430 MATERIALS 3
Nucleation and growth phenomena in commercial materials; structure-property relationships and design considerations; welding of structural and joining materials; review of structure-property relationships in wrought alloys; engineering properties of steels.
Courses: IF53, IF56, ME45, ME46, ME47
Prerequisites: MEB133 or MEB134
Credit Points: 8
Contact Hours: 4 per week
- MEB450 AIR CONDITIONING
Psychrometry; cooling load calculations; air conditioning systems; vapour compression refrigeration cycle analysis; multipressure systems; absorption refrigeration; field visit.
Course: ME35
Prerequisites: MEB251 or MEB455, MEB462 or MEB466
Credit Points: 7
Contact Hours: 3 per week
- MEB454 AERODYNAMICS 1
Incompressible airflow around bluff bodies and aerfoils and in a tube of varying cross-sections; stalling of aerfoils; variations with angle of attack of lift, pressure, pitching moment and drag coefficients; the influence of Reynolds’s Number including the effect of boundary layers, turbulent and laminar; high lift devices and fuselage effect; planform effects; aircraft layouts such as canards and delta wings.
Course: EE43  
Credit Points: 8  
Contact Hours: 8 per week

- MEB455 THERMODYNAMICS 2
  Steam plant; nozzles; impulse and reaction turbines; gas turbines; mixtures; refrigeration; chemistry of combustion.
  Courses: ME45, ME47  
  Prerequisites: MEB352  
  Credit Points: 8  
  Contact Hours: 4 per week

- MEB456 AIR CONDITIONING
  See MEB50.
  Courses: ME35, ME36, ME45, ME47  
  Prerequisites: MEB251 or MEB455, MEB462 or MEB466  
  Corequisites: MEB554  
  Credit Points: 8  
  Contact Hours: 3 per week

- MEB463 TRIBOLOGY
  The fundamentals of tribology; specification and measurement of surface roughness; lubrication modes; lubricants; wear modes; bearing design; lubrication of machine elements; seals.
  Course: ME35  
  Credit Points: 6  
  Contact Hours: 3 per week

- MEB464 FLUIDS 3
  Boundary layer theory; viscous flow via the Navier-Stokes and Reynolds' equations; isotropic compressible flow; normal and oblique shock waves.
  Course: ME45  
  Prerequisites: MAB893, MEB462 or MEB466  
  Credit Points: 7  
  Contact Hours: 3 per week

- MEB465 BIOFLUIDS
  Continuity of flow; viscosity and its measurement; Newton's law of measurement; non-Newtonian fluids; Navier-Stokes equations of motion; Eulerian and Lagrangian descriptions of flow; boundary layer theory; dimensional similarity; rheology and rheological models; rheology of biofluids; hemodynamics; artificial pumps, valves and pacers for biofluid systems; anaesthesia machines; blood flow meters; heart-lung by-pass machines.
  Course: ME46  
  Credit Points: 8  
  Contact Hours: 3 per week

- MEB466 FLUIDS 2
  Unsteady fluid flow in piping systems; dynamic similarity; regimes of incompressible flow around a body (potential and boundary layer flows); principles of operation of pumps, turbines and hydrokinetic devices; Navier-Stokes equations applied to viscous flow; compressible fluid flow including normal shock waves.
  Courses: ME35, ME45, ME47  
  Prerequisites: MEB363  
  Corequisite: MAB488  
  Credit Points: 8  
  Contact Hours: 4 per week

- MEB473 MANUFACTURING ENGINEERING 1
  Practical machining principles; cutting tools and cutting tool materials; analysis of tool wear and tool life; introduction to CNC technology and CNC part programming; types of welding processes; grinding and non-traditional material cutting processes; principles of metrology.
  Courses: IF53, IF56, ME45, ME47  
  Prerequisites: CEB102, CSB191, MEB111, MEB133, MEB314 MEB381  
  Corequisites: MEB363, MAB488  
  Credit Points: 8  
  Contact Hours: 4 per week

- MEB483 DESIGN 3
  Design of mechanisms; welded structures; flexible components; journal bearings; computer aided design.
  Courses: IF53, IF56, ME45, ME47  
  Prerequisites: CEB102, CSB191, MEB111, MEB133, MEB314 MEB381  
  Corequisites: MEB334  
  Credit Points: 8  
  Contact Hours: 3 per week

- MEB484 BIOENGINEERING DESIGN 1
  Introduction to design methodology and problem solving; risk and safety factors in design; types of bearing and bearing selection; design of beams and shafts; type and choice of gear mechanisms; human factors engineering; psychological factors in design of displays; bioengineering applications of design theory.
  Course: ME46  
  Prerequisites: CEB185, MEB121 or MEB181  
  Credit Points: 8  
  Contact Hours: 3 per week

- MEB490 PROJECT
  Investigation and analysis of technological or managerial problems in medical engineering and presentation of a written report.
  Course: ME46  
  Credit Points: 16  
  Contact Hours: 3 per week

- MEB501 PROJECT
  A survey of relevant literature and organised experimental work resulting in conclusions presented in a formal report.
  Course: ME35  
  Credit Points: 16  
  Contact Hours: 3 per week

- MEB503 SPECIAL TOPIC 1
  A series of lectures and tutorials in areas which are of special professional relevance to the student's intended career path, or which may be available on occasion from visiting scholars.
  Courses: IF53, ME35, ME45, ME47  
  Prerequisite: Students to have achieved an appropriate level of preparation in topic area concerned.
  Corequisite: Depends on the syllabus of the particular special topic offered  
  Credit Points: 8  
  Contact Hours: 3 per week

- MEB512 NOISE & VIBRATIONS
  Introduction to acoustics; noise levels, frequency and duration; sound power level; free and reverberant field; free and forced vibration and vibration absorption; torsion vibration; Holzer's method.
  Courses: ME45, ME47  
  Prerequisites: PHB134, MAB893, MEB111  
  Credit Points: 8  
  Contact Hours: 4 per week

- MEB513 STRESS ANALYSIS
  Stress and strain in three dimensions; strain-gauge rosette analysis; two-dimensional problems; axisymmetrically loaded problems; torsion of non-circular section; introduction to plates.
  Courses: ME45, ME46, ME47  
  Prerequisites: MEB212 or MEB213, MAB493  
  Credit Points: 8  
  Contact Hours: 4 per week

- MEB532 ADVANCED MATERIALS
  Properties and applications for modern advanced composites; fibre reinforcements of ceramic, metal and polymer materials. Coatings of metals and ceramics by vapour deposition; plasma and advanced techniques. Surface treatments for frictional and wear performance. Properties of ultra high strength steels.
  Courses: ME35, ME45, ME47  
  Prerequisites: MEB230 and MEB231 or MEB334 and MEB430  
  Credit Points: 8  
  Contact Hours: 4 per week

- MEB550 HEAT TRANSFER
  Conduction: steady-state, one and two-dimensions, unsteady-state; convection: boundary layers, forced, natural and radiation black and grey bodies, shape factors.
  Course: ME35  
  Credit Points: 8  
  Contact Hours: 3 per week

- MEB551 PROPULSION & ENGINES
  Piston engines; super chargers and carburettors; actuator disc theory of propellers and rotary wing aircraft;
 Course: EE43  Prerequisite: MEB362  Credit Points: 8  Contact Hours: 3 per week

■ MEB553 AERODYNAMICS 2
Transonic and supersonic flows; critical Mach numbers; quasi one-dimensional stationary current equations, shock waves, compressional and expansion; linear flow around aerofoil sections; convergent divergent nozzles; qualitative study of flow around differing wing areas and shape; climb, cruise, descent, take off and landing calculations.

Courses: EE43  Prerequisite: MEB454  Credit Points: 8  Contact Hours: 3 per week

■ MEB554 HEAT TRANSFER
Conduction and convection heat transfer; overall heat transfer coefficient; viscous and inviscid flow; boundary layers; empirical and practical relations for forced-convection heat transfer; natural-convection systems; radiation heat transfer; condensing and boiling; heat exchangers.

Courses: ME45, ME47  Credit Points: 8  Contact Hours: 4 per week

■ MEB572 MANUFACTURING 2
Introduction to metalworking principles; hot and warm forging operations; extrusion operation; flat rolling operation; deep drawing operation; shearing/blanking operation; spinning operation; non-traditional metal forming operations; die/moulds in manufacturing processes; introduction to casting of ferrous and non-ferrous metals and alloys; shrinkage and porosity; fluid flow and design considerations in casting.

Courses: IF53, IF56, ME35, ME45, ME46, ME47  Credit Points: 8  Contact Hours: 4 per week

■ MEB580 BIOENGINEERING DESIGN 2
Effect of manufacturing processes on material properties and product design; manufacturing tolerances; computer-aided design and solid modelling; effect of computer-aided manufacturing on component design; rapid prototyping techniques; use of prototypes in manufacturing; reverse engineering by non-invasive techniques; design/testing/prototyping/production cycle; application of design for manufacturing of bioengineering devices.

Course: ME46  Prerequisite: MEB484  Credit Points: 8  Contact Hours: 3 per week

■ MEB602 SPECIAL TOPIC 2
See MEB503 Special Topic 1.

Courses: IF53, IF56, ME35, ME45, ME46, ME47  Credit Points: 8  Contact Hours: 3 per week

■ MEB611 STABILITY & CONTROL OF AIRCRAFT
Equations of motion; longitudinal, lateral and directional stick fixed and stick free control and stability; manoeuvring flight; use of aerodynamic coefficients without derivation; control system modelling.

Course: EE43  Prerequisite: MEB553  Credit Points: 8  Contact Hours: 3 per week

■ MEB612 MECHANICAL MEASUREMENTS
Stress and strain, force, torque and power measurements; vibration measurements; pressure and sound measurements; fluid flow measurements; data transmission and recording.

Courses: ME35  Credit Points: 8  Contact Hours: 3 per week

■ MEB613 MECHANICS 2
Analysis of two-dimensional frames; small curvature beam theory; analysis of compression members; introduction to energy methods; introduction to matrix methods; free and forced vibration; damped vibration; energy methods in vibration analyses.

Courses: ME45, ME47  Credit Points: 8  Contact Hours: 4 per week

■ MEB641 AUTOMATION 1
Mathematical models of mechanical systems; time domain; frequency domain; S-plane, including plotting of root locus diagrams.

Courses: IF53, ME45, ME46, ME47, IF56  Credit Points: 8  Contact Hours: 3 per week

■ MEB660 FLUID POWER
Introduction to fluid power; graphical symbols; simple circuits; cascade method; Boolean algebra; fluid logic; Karnaugh-Veitch method; hydraulic components; hydraulic system design; hydraulic circuits.

Course: ME45, ME45  Prerequisite: MEB462 or MEB466  Credit Points: 6  Contact Hours: 3 per week

■ MEB661 TRIBOLOGY
Terminology in lubrication, friction and wear; ploughing and adhesion components of friction; characterisation of solid surfaces; wear modes; chemistry of lubricants; lubrication modes; bearing design; lubrication of transmission elements; failure diagnosis; special lubrication problems; biological deterioration of lubricants; lubrication of human and prosthetic joints.

Courses: IF53, IF56, ME35, ME45, ME46, ME47  Credit Points: 8  Contact Hours: 4 per week

■ MEB662 FLUID POWER
Components of hydraulic and pneumatic systems; fluid power graphical symbols to Australian standards; fluid logic; hydraulic components; hydraulic system design; hydraulic circuits.

Courses: IF53, IF56, ME43, ME47  Prerequisite: MEB462 or MEB466  Credit Points: 8  Contact Hours: 4 per week

■ MEB670 INDUSTRIAL ENGINEERING 1
Project planning and control; plant location and layout, work study; design of experiments; linear programming applications.

Course: ME35  Credit Points: 6  Contact Hours: 3 per week

■ MEB672 TOTAL QUALITY MANAGEMENT
Total quality control and systems; quality engineering technology; statistical process control; product and systems reliability; ISO9000 and AS3990; management of engineering projects.

Courses: IF53, IF56, ME35, ME45, ME46, ME47  Credit Points: 8  Contact Hours: 2 per week

■ MEB675 PLASTICS TECHNOLOGY
Mechanical and physical properties of polymers; low moulding, compression moulding, transfer and rotational moulding; extrusion and plastic injection moulding; tooling and product design for plastic components; machine, process control and instrumentation in the plastics forming process.

Course: ME35  Credit Points: 7  Contact Hours: 3 per week

■ MEB676 DESIGN FOR MANUFACTURING 1
Introduction to solid modelling; techniques used in the development of solid models; use of solid modelling in rapid prototyping; solid modelling in the concurrent engineering environment; introduction to CAD/CAM; use of CAM computer software for different manufacturing processes; other rapid prototyping techniques such as stereolithography.
MEB670 INDUSTRIAL ENGINEERING 1
See MEB670.
Course: MEB35
Credit Points: 8
Contact Hours: 3 per week

MEB678 PLASTICS TECHNOLOGY
See MEB675.
Course: IF56
Credit Points: 8
Contact Hours: 3 per week

MEB81 BIOENGINEERING DESIGN 3
Real-time data processing circuitry; operational amplifier design and application; filter selection and design; logic circuit design; electrical control circuits; design for safety and reliability; biomedical transducers and sensors; computer control and data logging; use of stepper motors and gears; design of typical biomedical instruments.
Course: MEB46
Prerequisites: EEB202, EEB371, PHB504
Credit Points: 8
Contact Hours: 3 per week

MEB682 ADVANCED MECHANICAL DESIGN
The application of modern materials and analytical techniques to mechanical design: case studies; statistical analysis of failures; application of material science in design; fracture mechanics; computer-aided optimisation techniques.
Courses: MEB35, MEB45, ME46, ME47
Prerequisites: MEB230 and MEB231 or MEB334 and MEB430, MEB411, MEB483
Credit Points: 8
Contact Hours: 3 per week

MEB690 AIRCRAFT SYSTEMS
Design criteria and techniques of hydraulic, pneumatic and electrical circuits to provide the services to operate a modern aircraft, e.g. detailed analysis of under-carriage and flap systems; aircraft fuel systems; pressurisation systems; cockpit instrumentation and associated equipment; principles and operation of gyroscopes and accelerometers.
Course: EE43
Credit Points: 8
Contact Hours: 3 per week

MEB701 SPECIAL TOPIC 3
See MEB305.
Course: ME45
Prerequisite: Students to have achieved an appropriate level of preparation in topic area concerned.
Corequisite: Depends on the syllabus of the particular special topic offered
Credit Points: 7
Contact Hours: 3 per week

MEB702 SPECIAL TOPIC 3
See MEB305.
Course: ME45, ME47
Prerequisite: Students to have achieved an appropriate level of preparation in topic area concerned.
Corequisite: Depends on the syllabus of the particular special topic offered
Credit Points: 8
Contact Hours: 3 per week

MEB703 RELIABILITY AND MAINTENANCE OPTIMISATION
Development of reliable designs: bathtub curve, FMECA; series, active and standby reliability and availability; matrix methods; system productiveness; fault trees; distribution forms; Weibull analysis; renewal theory, age renewal; block renewal, bad-as-new renewal; Hastings' repair limit; inspect or monitor; physics of failure.
Course: MEB46
Credit Points: 8
Contact Hours: 3 per week

MEB710 AUTOMATION 2
Use of computer packages in control system design (e.g. Matrix, X'); fundamentals of discrete time systems; instrumentation used in the acquisition and analysis of digital data (e.g. Labtech); programmable logic controllers.
Course: ME45
Prerequisite: MEB640 or MEB641, MEB660 or MEB662
Credit Points: 6
Contact Hours: 3 per week

MEB711 AUTOMATION 2
Classical control: performance specification, system identification, creation of control loops, tuning, simulation; modern control: state space modelling, state variable feedback, controllability/observability, simulation.
Courses: ME45, ME47
Prerequisite: MEB640 or MEB641, MEB660 or MEB662
Credit Points: 8
Contact Hours: 4 per week

MEB740 MAINTENANCE MANAGEMENT & TECHNOLOGY
Economic and environmental importance of maintenance; management including organisation; data systems; cost control; spares policy; design for reliability; planning of overhauls; maintenance of buildings; mechanical maintenance and failure analysis; electrical and electronic maintenance.
Courses: EE43, ME35
Credit Points: 6
Contact Hours: 3 per week

MEB741 MAINTENANCE MANAGEMENT & TECHNOLOGY
See MEB740.
Courses: IF56, MEB35, ME46
Credit Points: 8
Contact Hours: 3 per week

MEB742 INDUSTRIAL ENGINEERING 2
See MEB771.
Course: IF53
Prerequisite: MEB670
Credit Points: 8
Contact Hours: 3 per week

MEB771 INDUSTRIAL ENGINEERING 2
Forecasting: manufacturing resources planning; scheduling; capacity planning; total quality control; modelling and simulation.
Course: ME45
Prerequisite: MEB670 or MEB677
Credit Points: 6
Contact Hours: 3 per week

MEB772 ENGINEERING PROJECT APPRAISAL
Rational economic analysis of engineering projects at product and project level; techniques needed to establish the cost of a project; techniques for determining design changes needed to reduce the manufacturing cost of a product; strategies for new product planning.
Course: ME45
Prerequisites: MEB502, MEB472
Credit Points: 6
Contact Hours: 3 per week

MEB774 OPERATIONS MANAGEMENT
Forecasting analysis and inventory control, linear programming, distribution models of assignment and transportation problems; plan layout including the principles of work study; maintenance and Monte Carlo simulation.
Course: MEB35
Credit Points: 7
Contact Hours: 3 per week

MEB775 TECHNOLOGY MANAGEMENT
Ethics in business, policy and public service; health and safety administration and responsibilities; innovation, planning, creativity and intellectual property; planning and legal aspects of new technology and technology management.
Courses: ME45, ME47
Credit Points: 8
Contact Hours: 3 per week
• MEB776 DESIGN FOR MANUFACTURING 2
The system of limits and fits; AS1654; geometric analysis for different features; interchangeability and loops equation; geometric tolerancing; datum systems; basic features of jig and fixture design.
Courses: IF53, ME35, ME45, ME47
Credit Points: 8 Contact Hours: 3 per week

• MEB777 OPERATIONS MANAGEMENT
See MEB774.

• MEB780 REHABILITATION EQUIPMENT DESIGN & EVALUATION
Functional requirements of orthoses; orthotic biomechanics; design and construction of orthoses; biomechanics of artificial limbs; alignments techniques; amputee socket design and manufacture; wheelchair design requirements; clinical evaluation of rehabilitation equipment.
Course: ME46
Credit Points: 8 Contact Hours: 3 per week

• MEB779 SPACECRAFT & SATELLITE DESIGN
Analysis techniques of space vehicle control including stabilisation and altitude control; monitoring and control of internal environment; albedo measurements; effects of solar eclipse; heat and radiation projection methods; design of on-board systems including power systems; altitude control; libration dampers; accelerometers and station keeping systems; requirements for satellite and ground-station equipment design and operation.
Course: EE43 Prerequisite: EEB692
Credit Points: 8 Contact Hours: 3 per week

• MEB800 SPECIAL TOPIC 4
See MEB803.
Course: ME45
Prerequisite: Students to have achieved an appropriate level of preparation in topic area concerned
Corequisite: Depends on the syllabus of the particular special topic offered
Credit Points: 7 Contact Hours: 3 per week

• MEB801 PROJECT
Investigate and present a formal report on a mechanical engineering problem; project may be industry based or arise from applied research.
Courses: ME45, ME47
Credit Points: 40 Contact Hours: 6 per week (Sem 1); 8 per week (Sem 2)

• MEB802 PROJECT
The student is required to investigate in depth and present a formal report on a problem area taken from the full range of mechanical engineering practice. Project may arise through investigation in applied research programs or specific topic from industry.
Course: ME45
Credit Points: 32 Contact Hours: 6 per week

• MEB803 SPECIAL TOPIC 4
See MEB503.
Courses: IF56, ME45, ME46, ME47
Prerequisite: Students to have achieved an appropriate level of preparation in topic area concerned
Corequisite: Depends on the syllabus of the particular special topic offered
Credit Points: 8 Contact Hours: 3 per week

• MEB805 PROJECT
See MEB801.
Course: ME45
Credit Points: 36 Contact Hours: 6 per week

• MEB810 INDUSTRIAL NOISE & VIBRATION
Vibration measurements; spectrum analysis; Kurtosis, Cepstrum and envelope analysis; averaging; gear, bearing and rotor vibration; whole body and arm vibration; noise measurements; noise power; industrial standards; attenuation methods.
Course: ME45 Prerequisite: MEB510 or MEB512
Credit Points: 7 Contact Hours: 3 per week

• MEB871 COMPUTER CONTROL OF MANUFACTURING SYSTEMS
Analysis of digital control systems and its application to process monitoring; programmable controllers; control of manufacturing and information systems in manufacturing; integration and interfacing of machine tools; applications and control systems associated with industrial robots; communications networks for manufacturing including MAPTOP.
Course: IF53, IF56
Credit Points: 8 Contact Hours: 4 per week

• MEB872 DESIGN FOR MANUFACTURING 3
Materials selection; design for manufacturing processes including casting, forging, extrusion, metal stamping, forming, powder metallurgy, welding and joining; design for assembly; design with advanced materials including plastics, ceramics and adhesives; electromechanical parts assembly; productibility, quality and cost considerations.
Course: IF53, IF56
Prerequisite: MEB776
Credit Points: 8 Contact Hours: 3 per week

• MEB873 COMPUTER INTEGRATED MANUFACTURING
Systematic approach to integrated manufacturing systems; product-centred approach to manufacturing processes; concepts of cell manufacturing; flexible manufacturing systems; modelling and simulation as a manufacturing system design tool; modelling and simulation methodology; use of commercial simulation package to evaluate manufacturing systems design.
Course: IF53, IF56, ME35, ME45, ME47
Credit Points: 8 Contact Hours: 4 per week

• MEB879 MANUFACTURING RESOURCES PLANNING
Manufacturing planning and control systems; recognising the various phases of planning in a manufacturing enterprise; lot size analysis and sequencing techniques; design aids and specifications of MRPII; measuring performances.
Courses: IF53, IF56
Credit Points: 8 Contact Hours: 3 per week

**MEB891 HEALTH LEGISLATION & THE MEDICAL ENVIRONMENT**
National and international legislative controlling bodies and codes; quality systems and good manufacturing practice; audit function and document trail; standards and compliance; law and medical products; hazard analysis and medical products; corrective actions and design charge; recall (hospital and production).
Course: MEB46
Credit Points: 8 Contact Hours: 3 per week

**MEB892 ROBOTICS IN HEALTH CARE**
Components and terminology; dynamics of multi-linked systems; coordinate systems; mechanics and design of manipulators and end-effectors; servo system control theory; robotic sensors and location devices; computer programming of robots; anthropomorphic robots; applications of robots in surgery, rehabilitation and industry.
Course: MEB46
Credit Points: 8 Contact Hours: 3 per week

**MEB901 INDUSTRY PROJECT**
Students will work full-time in an industrial environment for approximately six months attempting to solve a particular problem in the organization; students will present seminars and a final report.
Course: IF53, IF56
Credit Points: 32 Contact Hours: 40 per week

**MEB911 FINITE ELEMENT ANALYSIS**
General description of the finite element method; static and dynamic analysis of mechanical engineering problems; review of finite element packages.
Course: MEB45
Prerequisites: MEB462 or MEB466, MEB511 or MEB513, MEB550 or MEB554, MEB610 or MEB610
Credit Points: 7 Contact Hours: 3 per week

**MEB912 FINITE ELEMENT ANALYSIS**
Survey of engineering applications of finite element analysis; formulation of simple elements including isoperimetric elements; modelling considerations for static and dynamic analyses; introduction to a finite element analysis package.
Courses: MEB45, MEB47
Prerequisites: MEB511 or MEB513, MEB550 or MEB554, MEB610 or MEB610
Credit Points: 8 Contact Hours: 3 per week

**MEB940 KNOWLEDGE BASED MANUFACTURING SYSTEMS**
Introduction to knowledge based systems (KBS); knowledge representation, inference methods and uncertainty; examples of KBS in process planning, production management, diagnostic systems; building a KBS.
Courses: IF53, IF56
Credit Points: 8 Contact Hours: 3 per week

**MEB951 ENERGY AND THE ENVIRONMENT**
Developing an energy management plan; energy audits and associated metering; financial analysis; electricity and other tariffs; combustion theory and practice; fuel properties; energy cycles and refinement including cogeneration; energy recovery methods and plant; pinch technology; building energy management; compressed air; chemistry of water treatment processes.
Courses: ME45, ME47
Credit Points: 8 Contact Hours: 3 per week

**MEB952 PROCESS PLANT DESIGN**
Duct and industrial pipework system design; pressure vessel design methods; field visits.

Courses: ME35, ME45, ME47
Prerequisites: MEB251 or MEB455, MEB462 or MEB466
Corequisite: MEB513
Credit Points: 8 Contact Hours: 3 per week

**MEB960 FLUID SYSTEMS DESIGN**
Analysis of selected fluid systems; performance characteristics of components and systems.
Course: MEB45
Prerequisite: MEB464
Credit Points: 7 Contact Hours: 3 per week

**MEB961 FLUID SYSTEMS DESIGN**
See MEB960.
Courses: MEB45, ME47
Credit Points: 8 Contact Hours: 3 per week

**MEB980 DESIGN OF POWER TRANSMISSION SYSTEMS**
Design of systems for the transmission of mechanical power; solid elements: gears, clutches, belts, etc.; fluid elements: pneumatic and hydraulic.
Course: MEB45
Prerequisites: EEB209, MEB313 or MEB411, MEB483, MEB512, MEB513
Credit Points: 7 Contact Hours: 3 per week

**MEB981 DESIGN OF MATERIALS HANDLING SYSTEMS**
Design of bulk material conveying and process plants, storage silos and bins, ground stockpiling systems, and the associated supporting structures.
Course: MEB45
Prerequisites: CEB184, CEB185, MEB111, MEB411, MEB483, MEB511
Credit Points: 6 Contact Hours: 3 per week

**MEB983 INDUSTRIAL AUTOMATION**
To provide basic fundamentals in robotics as well as introducing the history, theory, applications and the future development of robotics. Introduction to robotics; robot kinematics; robot dynamics; trajectory planning; robot control; robot applications; robot related techniques.
Course: IF53, IF56
Credit Points: 8 Contact Hours: 3 per week

**MEB984 DESIGN OF POWER TRANSMISSION SYSTEMS**
See MEB980.
Courses: MEB45, ME47
Prerequisites: EEB209, MEB313, or MEB314
Credit Points: 8 Contact Hours: 3 per week

**MEN140 QUALITY & RELIABILITY ENGINEERING**
Development of reliable designs; bathtub curve, FMEA; series, active and standby reliability and availability; matrix methods; system productiveness; fault trees; distribution forms; Weibull analysis; renewal theory, age renewal; block renewal, bad-as-old renewal; overhaul and renewal; Hastings' repair limit; inspect or monitor; physics of failure.
Course: MEB75, ME76
Credit Points: 12 Contact Hours: 3 per week

**MEN170 SYSTEMS MODELLING & SIMULATION**
The concept of a model and model building; techniques for the solution of the model; simulation as a decision-making tool; modelling for simulation and practical exercises in simulation using computer simulation packages in the areas of manufacturing systems and maintenance.
Courses: BS81, ME75, ME76
Credit Points: 12 Contact Hours: 3 per week
■ MEN171 ADVANCED MANUFACTURING TECHNOLOGIES
Overview of manufacturing systems engineering and applications of advanced computer aided drafting and design; implementation of CAD/CAM systems using three-dimensional modelling techniques; classification systems for part family formation for production and tooling; benefits of computer aided process planning; introduction and installation of flexible manufacturing cells and systems including robotics, automated guiding vehicles, on-line computer aided inspection, automation integration, support technologies and planning for CIM.
Course: ME75, ME76
Credit Points: 12 Contact Hours: 3 per week

■ MEN180 PROJECT MANAGEMENT
Covers aspects of project management, including project planning feasibility assessments and financial evaluation, scheduling and resource control, controlling the project with respect to time, cost and equality.
Course: BS86, IF66
Credit Points: 6 Contact Hours: 3 per week

■ MEN181 LOSS CONTROL MANAGEMENT
Teaches students the principles of loss prevention and how to apply them to the reduction of accidents, property loss and quality improvements.
Course: BS86, IF66
Credit Points: 6 Contact Hours: 3 per week

■ MEN190 PROJECT
Substantial piece of work relevant to the course and carried out by each student on an individual basis; report is examined and marked by academic supervisor in consultation with industrial supervisor.
Course: ME76
Credit Points: 24 Contact Hours: 3 per week

■ MEN240 MAINTENANCE MANAGEMENT & TECHNOLOGY
Economic and environmental importance of maintenance; management of the maintenance function including organisation, data systems, cost control, spare parts policy, design for reliability, planning of overhauls, the maintenance of buildings; mechanical maintenance and failure analysis; electrical and electronic maintenance.
Course: ME75, ME76
Credit Points: 12 Contact Hours: 3 per week

■ MEN270 MANUFACTURING RESOURCE PLANNING
Functions and interrelationships between the three major components—production planning, operations planning and operations control—of a manufacturing requirements planning (MRP) system; practical exercises to provide hands-on experience with a MRP system such as FACT.
Course: ME75, ME76
Credit Points: 12 Contact Hours: 3 per week

■ MEN271 METROLOGY
The theory and practice of metrology which relates overall quality system requirements, methods of specifying products and components, calibration requirements, the theory of errors and uncertainties and some specialist measurements into a meaningful interpretation of metrology as part of a quality system.
Course: BS86
Credit Points: 6 Contact Hours: 3 per week

■ MEN280 ENGINEERING PROJECT MANAGEMENT
Definition of project management; organisational structures for project management; planning the project; feasibility analysis; organising the project; legal aspects; project control; quality control.
Course: ME75, ME76
Credit Points: 12 Contact Hours: 3 per week

■ MEP173 QUALITY PLANNING
Quality terminology; SQC and the Deming philosophy; quality costs; the business plan; total quality management; the place of QA; quality improvement techniques; quality assurance, the essential requirements; quality manual, program and plan; setting up and developing an appropriate QA program; organisation for quality; procedures; activities, action and QA role for design, procurement and manufacturing, audit and corrective action.
Courses: BS77, IF69
Credit Points: 6 Contact Hours: 3 per week

■ MEP201 SAFETY TECHNOLOGY & PRACTICE 1
Overview of models of the accident phenomenon; technological background of potential hazards with electrical power; construction site mechanical equipment hazards and failure; failure modes of engineering materials; mechanical properties of engineering materials and their effect on failure mode.
Courses: HL88, PU65
Credit Points: 12 Contact Hours: 3 per week

■ MEP273 QUALITY MEASUREMENT & TESTING
Measurement basics; measurement and standards; measurement errors; reliability of measurements; application of statistics; the cumulative distribution function; weights and errors; statistical interpretation of test results; the hypergeometric distribution; the binomial distribution; the poisson distribution; the normal distribution; the central limit theorem. Quality assurance in the laboratory; calibration in the laboratory; uncertainty of measurements; the laboratory quality manual; assignments and laboratory audits.
Course: BS77
Credit Points: 6 Contact Hours: 3 per week

■ MEP274 QUALITY SYSTEMS IMPLEMENTATION & MAINTENANCE
Expectations of quality systems in relation to the AS9000 series of standards and AS2990/AS3905.2; system implementation principles; complexities and solutions; state purchasing policy; auditing objectives, philosophy, methodology and standards.
Courses: BS77, IF69, ME75
Credit Points: 12 Contact Hours: 3 per week

■ MEP301 SAFETY TECHNOLOGY & PRACTICE 2
The psychology of industrial accidents; the technology of electrical power plant mechanical equipment and materials failure pertaining to accident prevention; accident prevention and hazard recognition; risk management and control; design and maintenance of personal protection equipment; safe habits and the effective use of personal protection equipment.
Course: PU65
Prerequisite: MEP201
Credit Points: 12 Contact Hours: 3 per week

■ MEP371 RELIABILITY & MAINTAINABILITY
Reliability and maintainability; relationship between reliability and quality; designer, manufacturer and operator; means of achieving high reliability and maintainability; fundamental theory of reliability; reliability data analysis; practical applications of Weibull's distribution to reliability and maintainability; modelling; computerised maintenance systems, economics and systems availability.
 COURSE: BS77
Credit Points: 6  Contact Hours: 3 per week

MEP372 MEASUREMENT TESTING & RELIABILITY
Measurement basics; reliability of measurements; application of statistics; statistical interpretation of test results; quality (product) from reliability (process); designer, manufacturer and operators role in achieving reliability.
Courses: BS77, IF69
Credit Points: 12  Contact Hours: 3 per week

MGB001 HUMAN RESOURCES & INDUSTRIAL RELATIONS
Influences impacting on human resource management and industrial relations in an engineering environment; theoretical foundation of human resource management and industrial relations.
Course: ME35
Credit Points: 8  Contact Hours: 2 per week
Incompatible with: HRB149

MGB002 INDUSTRIAL MANAGEMENT
The management process, planning, leading, organising, controlling; human resource management aspects of communication, motivation, leadership and teamwork, with practical applications to planning and control, personnel relations, job design.
Courses: EE43, ME45, ME46
Credit Points: 6  Contact Hours: 3 per week
Incompatible with: HRB111

MGB003 MANAGEMENT (ENGINEERS)
Career progression of the practising engineer from a technical to a managerial role; activities to be performed for effective management; development of theoretical and practical skills in planning, organising, controlling and leading; project teams; interpersonal interaction and teamwork; application of theoretical material to case study analysis.
Courses: EE44
Credit Points: 4  Contact Hours: 2 per week
Incompatible with: HRB121

MGB004 MANAGING PEOPLE AT WORK
Introduction to the theory, process and practice of management and organisations with special reference to an engineering environment; importance of people in the achievement of organisational objectives.
Course: ME35
Credit Points: 8  Contact Hours: 2 per week
Incompatible with: HRB148

MGB005 PRACTICE MANAGEMENT
Small business management; the various roles in which small business managers must develop at least rudimentary proficiency. The structure, organisation, finance, planning, control, taxation, marketing and environmental factors to equip students with skills necessary for starting a successful small business.
Courses: OF42, PU45
Credit Points: 4  Contact Hours: 2 per week
Incompatible with: HRB132

MGB100 METHODS & ANALYSIS
Designed to provide students with a conceptual map about conducting research. Students proceed through the research process moving from establishing a research question, determining dependent and independent variables, deciding on analytic technique, gathering data, data analysis, drawing conclusions and reporting the research outcomes. Emphasis is placed on qualitative methodologies, including ethnography and archival research.
Courses: BS50, BS56

Prerequisite: BSB102 or BSB115
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: EPB109, EPB163

MGB200 BUSINESS STRATEGY
Does not presume previous major core studies in management. Provides students with an understanding of the context of strategy within business ventures and develops skills necessary in planning. Some critical analysis is included, but emphasis is on the process of formulating and implementing business strategy and policy at developed levels in large organisations and in small businesses.
Courses: BS50, BS56
Prerequisite: BSB102 or BSB115
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MIB314

MGB201 EMPLOYMENT REGULATION & ADMINISTRATION
The formal regulatory nature of the employment relationship, and the informal rules and systems examined in the economic, political and social framework; practical and operational knowledge in relation to the contract of employment; awards, agreements, superannuation, termination and workers' compensation.
Courses: BS50, BS56
Prerequisites: HRB131 or HRN104 or MGB207 and MGB211
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: HRB103

MGB202 EQUITY AT WORK
The historical, legal and social perspectives on current issues surrounding equal employment opportunity and anti-discrimination initiatives; workplace implications of current laws and, in particular, likely and possible impacts in making personnel-related decisions; concepts and application of the principle of merit, day to day impacts of equity legislation; practical models for EEO management planning.
Courses: BS50, BS56
Prerequisites: 192 credit points including MGB207 and MGB211
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: HRB133

MGB203 GOVERNMENT-MANAGEMENT INTERFACE
Provides an essential understanding of the complex and dynamic relationships between business and Australian governments. Students will extend their basic knowledge of the role of governments to develop a more specific conceptual and empirical basis to understand how interactions between Australian government and business are managed. The focus is upon the political context of business activity, government policies towards business, their processes of development and operational impacts, and the constraints and capacities of various business sectors to influence the political system.
Courses: BS50, BS56
Prerequisites: EPB124 or BSB114 and MGB207 and MGB211
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: HRB133

MGB204 INDUSTRIAL RELATIONS
The structures, functions and roles of the main industrial relations institutions: courts, tribunals, unions and employer associations. Regulation of industrial relations by the state and management; various approaches to industrial relations theory and the causation, manifestation and resolution of industrial conflict.
Courses: BS50, BS56
Prerequisites: HRB131 or MGB207 and MGB211
MGB205 MACHINERY OF GOVERNMENT
Provides a detailed understanding of Australian government. Examines and compares mechanisms, processes and issues in the three levels of Australian government (national, state and local). Includes areas such as constitutional arrangements, intergovernmental agencies and relationships, government business enterprises, the public service, fiscal and legal administrative arrangements. Provides both a detailed knowledge of how government works in Australia, and an understanding of the dynamics of government processes.
Courses: BS50, BS56
Prerequisites: EPB124 or BS114
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB114

MGB206 MANAGEMENT AND ORGANISATION THEORY
Examines the historical and theoretical roots of management and organisation concepts and practices, and the way management and organisation have been constructed as fields of inquiry by both management practitioners and academics. Organisational theories explained in this unit include: Weber’s bureaucracy, stages of corporate development; transaction cost analysis; institutional and neo-institutional theory; population ecology; and various critical theories of organisation. Students have the opportunity to find out the strengths and limitations of management and organisational theories using a variety of critical approaches.
Courses: BS50, BS56
Prerequisites: BSB102 or MGB207 and MGB211
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB127

MGB207 MANAGING HUMAN RESOURCES
Key functions and processes in the management of human resources from the perspectives of the various stakeholders in the employment relationship, a strategic approach in a total environment context, human resource management and industrial relations in theoretical and applied senses.
Courses: BS50, BS56
Prerequisites: BSB115
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB131

MGB208 MANAGEMENT PROCESSES
This unit builds on theories of management encountered in introductory units. It has a focus on developing skills in the analysis of concepts and on practical application of managerial principles. It emphasises decision making in the context of strategic planning; development and adaptation of structure; control systems; process analysis. It analyses organisations within a systems paradigm considered in an environment of change.
Courses: BS50, IS52, IS43
Prerequisites: BSB102
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB126

MGB209 OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT
Health and safety management at work; hazard identification, risk management and evaluation, control strategies and implementation programs; legal frameworks, government policy and management strategies; safety audits, and the management of health and safety functions.
Courses: BS50, BS56
Prerequisites: HRB131 or HRN104 or MGB207 and MGB211
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB128

MGB210 OPERATIONS, PRODUCTION AND SERVICE MANAGEMENT
Extends general management philosophies to the production/operations customer sub-systems. The pivotal concept is the organisation as a dynamic system affected by both external and internal forces. Operations management narrows the focus to the sub-systems within the organisation that physically produces that organisation's goods or services. Issues of quality and efficiency are considered analytically in terms of broader strategies and constraints.
Courses: BS50, BS56
Prerequisites: HRB130 and HRB131, or MGB207 and MGB211
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB129

MGB211 ORGANISATIONAL BEHAVIOUR
Impact that individual, group, and organisational characteristics have on behaviour within organisations. Theories, research and applications for understanding, predicting, changing behaviour and developing people in organisations. Topics include: abilities, learning, work motivation and attitudes, leadership and group dynamics, as well as macro issues such as structure and culture.
Courses: BS50, BS56
Prerequisites: BSB115
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB130

MGB212 PERSPECTIVES ON ORGANISATIONS
Current and potential ways of understanding and designing organisations from a theoretical and practical point of view; Western and Asian perspectives on organisations; the emergent organisation as well as the 'designed' organisation; introduction to selected design skills.
Courses: BS50, BS56
Prerequisites: MGB207 and MGB211
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: COB103, COB129

MGB213 PUBLIC SECTOR MANAGEMENT
Provides a detailed understanding of the theories, mechanisms and practices of contemporary public sector management in Australia. Particular attention will be given to the problems and strains of public administration by examining its traditional foundations, structural dynamics, and the introduction of recent reforms. Examines the functions, operations and objectives of public sector management, including service delivery, finances and budget processes, marketing, performance review and evaluation, workplace issue and accountability. Students will develop a comprehensive and critical appraisal of the distinctive character and implications of contemporary public sector management.
Courses: BS50, BS56, COB103, COB129
Prerequisites: MGB205
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB157, EPB162, HRB402

MGB214 SOCIAL RESPONSIBILITY IN BUSINESS
Critical ethical dilemmas which students are likely to face in their professional careers in change management and organisational design. Focuses on recognising, reasoning about, and dealing with such dilemmas, particularly using a behavioural approach; cross-cultural perspectives.
Courses: BS50, BS56
Prerequisites: BSB111 and MGB212
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: COB105

MGB215 SPECIAL TOPIC
Allows students to undertake specialised study on a topic.
area relevant to particular needs. Permits an in-depth examination of an issue of importance. Content varies depending upon the issue examined, and the academic member(s) involved (including short-term visiting academics).

Courses: B550, B556
Prerequisites: As deemed appropriate to particular topic.
Credit Points: 12
Contact Hours: 3 per week

- MGB216 TECHNOLOGY MANAGEMENT
  Explores the links between research, technical process, product innovation and management structure, policy and practice. Emphasises the consequences of changes to technological innovations and, social change; the nature of product and process innovation, and technology transfer; intellectual property and licensing; evaluating technology; key technology areas (e.g. government policy and assistance) and research and development in technology.

Courses: B550, B556
Prerequisites: BSB102 or HRN104 or MGB211
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB140

- MGB217 TRAINING & DEVELOPMENT I
  Knowledge and competencies required of a beginning or an occasional trainer; theories, research and skill development; topics include: training in Australia; instructional models and theories of learning; training needs analysis; task analysis process; basic training techniques; skill model, information giving model, discussion model; training aids/audiovisual; administering training course; evaluating learning; writing and scoring test items; following-up training.

Courses: B550, B556
Prerequisites: HRN104 or completion of 84 credit points
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB120

- MGB218 VENTURE SKILLS
  Designed to develop student skills in business planning and business analysis. This is a preparatory unit for units that carry out in-depth business planning and analysis. The types of learning carried out in this unit is to develop skills in business planning for small businesses. The analysis of business includes how to analyse cases and actual small business operations.

Courses: B550, B556
Prerequisites: HRB130 and HRB131, or MGB207 and MGB211
Credit Points: 12
Contact Hours: 3 per week

- MGB219 WORK & SOCIETY
  The theoretical and research aspects of work and the organisation of work in industrialised society, the relationship with industrial relations processes and structures, examination of the various perspectives which deal with control systems, work practices and technical change.

Courses: B550, B556
Prerequisites: HRB131 or HRN105 or MGB207 and MGB211
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB138

- MGB230 ADVANCED ORGANISATIONAL BEHAVIOUR
  Investigates and analyses major organisational behaviour issues from the viewpoints of organisational effectiveness and quality of work life, using three frames: learning in organisations, actors in organisations, and organisations as political arenas. Thorough examination of literature and research, an emphasis on data gathering, analysis, and evaluation skills. Macro level issues are considered. Concepts are applied via case studies, surveys, and/or projects.

Courses: B550, B556
Prerequisites: HRB104 and HRB130 or 192 credit points, including MGB211 and MGB315
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB100

- MGB301 ADVOCACY
  Skills in preparing a case and conducting it before a variety of industrial tribunals, rules of evidence in Magistrates' Courts, the Australian Industrial Relations Commission, and where rules of evidence do not apply, significant industrial legislation (industrial relations, workers' compensation, anti-discrimination, and workplace health and safety).

Courses: B550, B556
Prerequisites: HRB131 or HRN105 or MGB201 and MGB204
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB102

- MGB302 COOPERATIVE ORGANISATION
  The development of cooperative relations across social, organisational, cultural and geographical boundaries from a theoretical and practical point of view. Types of cooperative arrangement will be examined including networks, strategic alliances, social partnerships, cooperatives, and labour-management cooperation. Structural and behavioural issues will be addressed.

Courses: B550, B556
Prerequisite: MGB212
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: COB108

- MGB303 ENTREPRENEURSHIP
  Examines the processes of small business start up in terms of developing skills and knowledge entrepreneurship and new venture creation. Examines the entrepreneur in terms of entrepreneurial personality theories, entrepreneurial management and intrapreneurship. New venture creation deals with business planning and resourcing a business start-up. New venture creation develops skills and knowledge for students to analyse and manage the external environment of a small business start-up. Additionally students develop skills and knowledge on how to design and manage over time the internal operations and response to the external environment of a start-up firm.

Courses: B550, B556
Prerequisites: BSB102 or HRN104, or MGB207 and MGB211 and BS8110
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB116

- MGB304 HUMAN RESOURCE PLANNING & INFORMATION SYSTEMS
  Detailed examination of organisational strategy, business plans and link with human resource planning; quantitative and qualitative approaches to prediction. Careers, career management, succession planning, downsizing. Extensive reference to the role, design and use of computerised human resource information systems as the database facilitating human resource planning and managerial decision making.

Courses: B550, B556
Prerequisite: MGB238
Credit Points: 12
Contact Hours: 3 per week

- MGB305 HUMAN RESOURCE MANAGEMENT STRATEGY & POLICY
  This is the capstone of the HRM extended major. The primary objective is to integrate HR concepts and issues...
into the wider business and environmental context; a range of historical features, professional and ethical matters are considered; policy development and evaluation is examined; an experiential approach based in cases and/or simulations is adopted.

Courses: BS50, BS56
Prerequisites: HRB105 or HRN104 or completion of 96 credit points from HRM units
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB136

■ MGB306 INDEPENDENT STUDY
Enables students to demonstrate an ability to direct their own learning, a key competence for professionals who must keep themselves up to date in their area of expertise; students either individually or in small groups, undertake one or several learning activities with the approval of a supervisor; appropriate activities include literature review, research (mini-thesis), project, practicum (work placement), or alternative deemed acceptable by the supervisor.
Courses: BS50, BS56
Prerequisite: 192 credit points
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB151

■ MGB307 INTERNATIONAL HUMAN RESOURCE MANAGEMENT
Overviews international business management, and develops a strategic appreciation of the role of human resource management in an international context. Specific human resource processes are detailed, including: expatriate selection, cross-cultural training, management, and remuneration; global management; and the competencies required to manage a culturally diverse workforce; the relationship between international human resource management and international industrial relations, and contemporary research in international human resource management.
Courses: BS50, BS56
Prerequisites: HRB131 or HRN104 or MGB207 and MGB211
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB117

■ MGB308 INTERNATIONAL INDUSTRIAL RELATIONS
Industrial relations processes which operate under a range of social, economic, cultural and political arrangements; European and Pacific-rim systems.
Courses: BS50, BS56
Prerequisites: HRB131 or HRN105 or MGB219
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB150

■ MGB309 MANAGEMENT POLICY & STRATEGY
Presumes previous studies in management areas. Provides students with an ability to understand and participate in the formulation and implementation of management policy and strategy. Emphasises a critical analysis of the literature in the field of strategic management and the effect this has had on the processes adopted by different organisations. As a capstone unit, it gives students the opportunity to analyse synergies between the various strands of their major and to develop skills in influencing the strategic direction of organisations.
Courses: BS50, BS56
Prerequisites: BS5102 and HRB127 (recommended), or MGB303
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB125

■ MGB311 MANAGING CHANGE
Builds on introductory and intermediate units in management and is designed to equip managers with an understanding of the management of change in a variety of organisational and contextual settings. Explores the certainty of uncertainty and its implications for management. Emphasis is placed on developing change management skills, through a program of skills development embedded in a sound understanding of relevant theory.
Courses: BS50, BS56
Prerequisites: MGB206
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: COB102

■ MGB312 NEGOTIATION & COLLECTIVE BARGAINING
Theory of negotiation, the basic concepts of integrative and distributive bargaining, process and phases of negotiation in practice, negotiating enterprise bargaining agreements.
Courses: BS50, BS56
Prerequisites: HRB131 or HRN105 or MGB201 and MGB204
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB102

■ MGB313 ORGANISATIONAL CHANGE & DEVELOPMENT
A range of interventions designed to improve an organisation's capacity to actively adapt to its environment. Interventions oriented to various levels of analysis will be covered, e.g. individual, interpersonal, group, intergroup, organisational, and the organisation in its broader context.
Courses: BS50, BS56
Prerequisite: MGB314
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: COB102

■ MGB314 ORGANISATIONAL CONSULTING & COUNSELLING
Conceptual and theoretical bases of consulting and counselling; relationship building, diagnosis, intervention, and evaluation. Personal and interpersonal skills of the consultant/counsellor developed to a substantial level. Emphasis is placed on designing process to achieve outcomes.
Courses: BS50, BS56
Prerequisites: MGB207 and MGB211
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: COB102

■ MGB315 PERSONAL & PROFESSIONAL DEVELOPMENT
Develops personal, interpersonal and professional competencies (in both cognitive and affective domains) necessary in a human resource management professional. Develops personal awareness and understanding, interpersonal competencies, and professional behaviour and ethics. Also examines influence processes, negotiation and conflict resolution, stress management and personal career management. Throughout, it emphasises the design of processes to achieve outcomes and skills of reflective practice.
Courses: BS50, BS56
Prerequisites: COB129 or HRB130 or HRN108 or MGB207 and MGB211
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB104

■ MGB316 POLICY IMPLEMENTATION & EVALUATION
Examines the implementation and evaluation of policies and strategies by examining appropriate frameworks, structures, dynamics and delivery systems. Conceptual developments in implementation and evaluation are applied to case studies of public policies, programs and national strategies. This unit explores both micro and macro analytical methodologies including the development of monitoring systems and performance indicators. Issues to be analysed include policy coordination, policy
communities, institutional relationships and networks.
Courses: BS50, BS56
Prerequisite: EPB159 or MGB205
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: EPB155

MGB317 POLITICAL & ADMINISTRATIVE ANALYSIS
Develops an understanding of the dynamic and contested relationship between political theory and the practices of government administration. Explores the central theoretical conceptions of the modern state (liberal-pluralist, elitist, variants of Marxism and the ‘new right’) which have been the main source of political and administrative analysis and debate. The emphasis is on the analytical and administrative insights of each perspective, although their ideological, political and institutional implications also will be examined.
Courses: BS50, BS56 Prerequisite: MGB205
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: EPB100, EPB112, EPB156

MGB318 PUBLIC POLICY
Provides a thorough understanding of policy processes by means of a detailed study of relevant literature, Acts, and programs (i.e. policy instruments). Policy models and frameworks will assist students to understand how policy should be developed. Policy analysis frameworks will assist students to understand how policies are developed (i.e. the ‘is’/’ought’ dichotomy).
Courses: BS50, BS56 Prerequisite: MGB205
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: EPB159

MGB319 QUALITY MANAGEMENT
Introduction to the role and importance of small business in Australia. It includes detailed considerations concerning managing the growth phase, as well as approaches to the management of a troubled firm. Operational areas requiring attention in small business management are looked at, as well as personal factors impacting on small business managers. Relations with government and sources of information and assistance are also considered.
Courses: BS50, BS56
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRB135

MGB320 RECRUITMENT & SELECTION I
Draws on conceptual and research foundations established in MGB328. Examines the environment of recruitment and selection, especially legal requirements. Recruitment is considered from the perspective of the organisation and the individual. Recruitment strategies are evaluated. Basic selection strategies are examined. Skills in planning and conducting interviews are developed. Technical issues include validity, reliability and utility analysis.
Courses: BS50, BS56
Prerequisite: HRB105 or HRP110 or MGB210
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRB134

MGB321 RECRUITMENT & SELECTION II
Examines advanced selection strategies. Sophisticated use of biographical data; aptitude, ability, and personality testing; work samples; assessment centres; previous performance. Data manipulation and decision making processes. Selection for particular occupational groups. Workshop and experiential project activities.
Courses: BS50, BS56 Prerequisite: MGB205
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRB134

MGB322 REMUNERATION MANAGEMENT
Examines remuneration and employment contracts. Structure and effects of remuneration packages. Examination of range of types of remuneration, and the advantages and disadvantages of each. Remuneration in the context of organisation strategy and policy.
Courses: BS50, BS56 Prerequisite: MGB328
Credit Points: 12 Contact Hours: 3 per week

MGB323 SMALL BUSINESS MANAGEMENT
Deals with the role and importance of small business in Australia. It includes detailed considerations concerning managing the growth phase, as well as approaches to the management of a troubled firm. Operational areas requiring attention in small business management are looked at, as well as personal factors impacting on small business managers. Relations with government and sources of information and assistance are also considered.
Courses: BS50, BS56
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRB137

MGB324 THE VIRTUAL ORGANISATION
Organisational futures: working and managing in a real-time, no-boundaries context; interconnectivity; cultural diversity; role of technologies in the virtual organisation; implications for people and work futures.
Courses: BS50, BS56
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRB120 or MGB217
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRB101

MGB325 TRAINING & DEVELOPMENT II
Planning and programming management and supervisory development; career planning; developing a complete training program; advanced training techniques: case study, role play, laboratory training, simulations, games, programmed instruction, computer assisted instruction, individualised learning, video and learning; managing the training and development function; the competencies of a trainer. Experiential and project activities.
Courses: BS50, BS56
Prerequisite: MGB212
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRB134

MGB326 UNDERSTANDING ORGANISATIONS
Critical analysis of formal organisational structures; the importance of social invention; economic explanations of organisation and industry, the behaviour of firms and work experiences of employees; critical review of theoretical perspectives on these issues.
Courses: BS50, BS56
Prerequisite: MGB212
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: COB103, COB129

MGB327 WAGES & EMPLOYMENT
Determination of wage and employment levels; the various types of labour markets; collective bargaining and skill formation processes; the relationship between these aspects and industrial relations institutions.
Courses: BS50, BS56
Prerequisites: HRB131 or HRN105 or MGB201 and MGB204
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRB137

MGB328 WORK & PERFORMANCE
Builds on material covered in MGB207, and focuses in depth on the theory and practice of job design and analysis, performance management, job evaluation, and remuneration management; examines the theoretical measurement and methodological foundations of human re-
source management.

Courses: BS30, BS56
Prerequisite: HRB131 or HRN104 or MGB207
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRB105

**MGB329 WORKPLACE INDUSTRIAL RELATIONS**
The various dimensions of traditional and contemporary workplace industrial relations including enterprise bargaining, the role of union delegates and joint shop committees, consultation and participation structures and processes, custom and practice, and grievance and disciplinary procedures; the role of management and supervision, and policies and strategies in industrial relations.

Courses: BS30, BS56 Prerequisite: MGB219
Credit Points: 12 Contact Hours: 3 per week

**MGB330 INTERNATIONAL MANAGEMENT**
This unit presumes an understanding of the basic principles of management and provides students with a critical perspective of issues affecting international management. These issues include: culture, the Australasian political economy, government policies, and strategic alliances. The orientation is managerial, not fiscal. Such knowledge enhances the contribution of students in their discussions about international management in the workplace.

Courses: BS50, BS56 Prerequisite: MGB206
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: BS300, HRB118

**MGN001 MANAGEMENT OF ENGINEERS**
The staffing function: leadership and motivation principles and their application; time management; stress management, industrial relations systems and issues; personal and organisational communication; managing change, strategic management and the development of full, commercial business plans.

Course: ME76
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRN113

**MGN400 AUSTRALIAN INDUSTRIAL RELATIONS**
Industrial relations practices and policies; enterprise bargaining and industry awards; institutional framework of industrial relations practices in Australia.

Courses: BS30, BS74, BS93, GS70, GS80, GS81
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRP104

**MGN401 COMPARATIVE INDUSTRIAL RELATIONS**
The main structures, processes and contexts relevant to industrial relations; comparative industrial democracy; the comparative method, international strategies and national performance; Japan, Sweden and Britain as industrial relations models.

Courses: BS30, BS74, BS93, GS70, GS80, GS81, IF64
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRP100

**MGN402 GOVERNMENT-BUSINESS RELATIONS**
The relationship between government and business, especially in Australia; the historical development of the relationships that exist between the private and public sectors and of the impact that the policy decision of each has on the operations of the other. Case studies are used to explore these relationships and contemporary trends.

Courses: BS30, BS70, BS78, BS91, GS70, GS80, GS81
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: EPN101

**MGN403 HUMAN FACTORS IN QUALITY**
Quality: an issue about business and people; leadership for quality improvement; motivation for quality improvement; paradigm shift; business as teamwork; quality improvement and human resources; employee participation strategies; training and education; ergonomics, technology and a human environment; quality of products and services.

Course: IF69
Credit Points: 6 Contact Hours: 3 per week
Incompatible with: HRP102

**MGN405 INDUSTRIAL RELATIONS AND THE ECONOMY**
Economic and political context pertinent to industrial relations; aspects of theories of political economy related to labour and production; issues in political and economic strategies and policies relevant to industrial relations, for example, social welfare, income distribution and unemployment.

Courses: BS30, BS74, BS93, GS70, GS80, GS81, IF64
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRP106

**MGN406 INDUSTRIAL RELATIONS PROCESSES**
Negotiation practices in industrial law; elements and techniques of advocacy; case preparation and research; industrial tribunal representation.

Course: BS74 Prerequisite: HRP104
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRP105

**MGN407 INDUSTRIAL RELATIONS STRATEGIES AND POLICIES**
Examination of policy formation in industrial relations at national and local levels in areas including wage policies, job security, job design, bargaining structure and union matters.

Courses: BS30, BS74, BS93, GS70, GS80, GS81, IF64
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRP103

**MGN408 INDUSTRIAL RELATIONS THEORY**
The resolution and regulation of conflict in work and employment; theories of collective organisation; bipartite and tripartite schema of labour market regulations and workplace process.

Course: BS74
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRP107

**MGN409 INTRODUCTION TO MANAGEMENT**
The functions and roles of managers; concepts and principles and their practical applications; the key management functions; areas of planning, organising, staffing, directing and controlling; production/operations management and the management of quality; entrepreneurship and business planning; important problems, opportunities and trends facing managers in Australia analysed from the viewpoint of relevant academic disciplines.

Courses: BS74, BS81, ED23, GS70, GS80
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRN104

**MGN410 LABOUR-MANAGEMENT RELATIONS**
Employee relations; employee and union action; the role of governments and industrial tribunals; alternative methods and pressures to change traditional Australian systems; the Australian system of labour-management relations; systems of regulation in the employment area; negotiating skills; the resources required for mobilising change in this area.
Courses: BS30, BS71, BS78, BS81, BS91, ED23, GS70, IF64
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: HRN105

**MGN411 MANAGEMENT OF SERVICE QUALITY**
Application of quality management principles to services and processes in service operations and organisations: marketing; differentiation of services from products; implications for management.
Courses: BS77, IF69
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: HP112

**MGN412 PEOPLE IN ORGANISATIONS**
The internal operation of organisations and the behaviour of people in them; exploration of a range of theories and models of individual, group and organisational level influences on behaviour. This exposure encourages students to critically evaluate such theories and models, and the implications for management behaviour.
Courses: BS30, BS70, BS74, BS78, BS81, ED23, GS70
Prerequisite: HRN104
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: HRN108

**MGN413 QUALITY SYSTEMS MANAGEMENT**
Quality management principles and systems put a new perspective on management theories and practices; introduction to management theories and concepts; relation and impact on management in the range of quality issues.
Courses: BS77, IF69
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: HP111

**MGN414 SOCIAL & ORGANISATIONAL CHANGE**
The origins, nature and effect of social change on individuals, organisations and communities; theories and models of change are used to explore planned and unplanned changes currently occurring, particularly as these relate to possible futures; emphasis is on the strategies and skills required to initiate and participate in effective change management.
Course: BS78
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: COP110

**MGN500 ADVANCED READINGS IN HUMAN RESOURCE MANAGEMENT**
This unit permits students to explore in depth advanced theories, research, and issues of practice in human resource management.
Course: BS93
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: HRN115

**MGN501 ADVANCED READINGS IN MANAGEMENT**
Examination in detail of advanced theory and issues from chosen disciplinary area. The object is to have students explore the breadth of their discipline in contrast to the narrow focus of their thesis work. Students select advanced readings in their field and submit a comprehensive criticism and review. This work is carried out in consultation with the supervisor.
Courses: BS62, BS83, BS86, BS92, BS93
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: HRN118

**MGN502 ADVANCED THEORY & COMPARATIVISM**
The historical and cultural factors of industrial relations; social theory and industrial relations, explanations of institutional development and the political economy of industrial relations; government intervention in industrial relations and current developments in Australia, the EEC and South East Asia.
Courses: BS62, BS83, BS93
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: HRN119

**MGN504 BUSINESS POLICY**
Develops a manager's knowledge, analytical understanding and action-taking competencies. The paradigm adopted is that of strategic management: analyses of stakeholders, environments and capabilities, strategy formulation, and strategy implementation. Teaching methodologies emphasise the process of management as well as analysis, content and concepts. At the conclusion of this unit, students should understand how and why strategic decisions are made, and be prepared to make them.
Courses: BS70, BS81, BS86, IF64, IF66
Prerequisite: 72 credit points from MBA core or approval of Course Coordinator
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: HRN112

**MGN505 CONSULTING & CHANGE MANAGEMENT**
The origins, nature and effect of social change on individuals, organisations and communities; theories and models of change will be used to explore planned and unplanned changes currently occurring, particularly as these relate to possible futures; emphasis will be on the strategies and skills required to initiate and participate in effective change management.
Course: BS93
Prerequisite: GSN208
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: HRN113

**MGN506 CONTEMPORARY ISSUES IN HRM**
Postgraduate students need to be familiar with the contemporary issues and the current theoretical and practical developments within their field of specialisation. These matters need to be pursued at a level of intellectual rigour beyond that required for an undergraduate degree. The main objective of this unit is to identify, analyse, and report on contemporary issues in HRM. To research information relevant to identified topics, content may vary according to which issues are current or predictably important in the future. Special expertise of staff, visiting scholars or distinguished HRM professionals may be utilised.
Courses: BS62, BS83, BS86, BS92, BS93
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: HRN115

**MGN507 CONTEMPORARY ISSUES IN MANAGEMENT**
Students examine in detail advanced theory and issues from their chosen field of study. Such study may include an analysis of the historical developments in the field, interconnections with other fields, current significant issues and practices (including ethics), and advanced methodology and/or statistics relevant to the field. The content may vary according to which issues are significant at the time, according to the special expertise of the staff (including visiting scholars and distinguished business leaders) and according to specific needs from thesis proposals.
Courses: BS62, BS83, BS86, BS92, BS93
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: HRN119

**MGN508 HRM CASES**
Further development of students' capacity to analyse, evaluate and solve business problems and encourages them to develop the facility for independent thought and critical analysis. In this unit students are required to: (a)
examine a HR function in an organisation; and report observations; (b) relate these observations to relevant theory and recent research; and (c) develop an integrated view of HR, including its functions, processes, stakeholders, and environment. Finally, the unit will focus on any conceptual, theoretical, research or practical material relevant to the cases.

Courses: BS62, BS83, BS63, BS92, BS93
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRN116

MGN509 HUMAN RESOURCE MANAGEMENT PROJECT I
This unit provides the opportunity for students to undertake an approved project to develop and enhance learning associated with the coursework elements of human resource management.
Course: BS93
Credit Points: 12 Contact Hours: 3 per week

MGN510 HUMAN RESOURCE MANAGEMENT PROJECT II
This unit provides the opportunity for students to undertake an approved project to develop and enhance learning associated with the coursework elements of human resource management.
Course: BS93
Credit Points: 12 Contact Hours: 3 per week

MGN511 IMPLEMENTING & SUSTAINING TOTAL QUALITY MANAGEMENT
The management issues that need to be addressed in implementing a sustainable structure for TQM. These include the definition of an appropriate structure based on organisational strengths and weaknesses, and the development of a strategy for implementation.
Course: IF66
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: BSN143

MGN512 INDUSTRIAL RELATIONS & WORK ORGANISATION
This unit will encourage students to develop critical awareness of current debates in the area. It will also develop the students’ critical, analytical and intellectual powers at an advanced level. It will connect the social, organisational and legislative aspects of industrial relations within an analytical framework, and will enhance knowledge of workplace studies. Through this unit students are introduced to the social aspects of industrial organisation and industrial relations. Theoretical studies are included and associated legislative aspects. Concepts such as the new ‘Managerialism’ are explored.
Courses: BS62, BS83, BS93
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: HRN117

MGN513 LEGAL & INDUSTRIAL REQUIREMENTS
The industrial relations and legal issues addressed in implementing TQM. These include the Australian industrial system, the requirements for occupational health and safety and the role of trade unions.
Courses: BS86, IF66
Credit Points: 6 Contact Hours: 3 per week
Incompatible with: HRN114

MGN514 MANAGEMENT PROJECT I
This unit provides the opportunity for students to undertake an approved project to develop and enhance learning associated with the coursework elements of management.
Course: BS93
Credit Points: 12 Contact Hours: 3 per week

MGN515 MANAGEMENT PROJECT II
This unit provides the opportunity for students to undertake an approved project to develop and enhance learning associated with the coursework elements of management.
Courses: BS93
Credit Points: 12 Contact Hours: 3 per week

MGN516 POLICY ANALYSIS
A central aim of the program is to develop skills in the analysis of policy content and policy process. It provides a basic methodological framework for the systematic development of skills with two related objectives: (a) to examine a range of models of public policy processes with a view to determining their validity and utility, and (b) to develop a capacity for policy analysis, utilising a variety of conceptual frameworks. Topics include: policy design, implementation and evaluation, and theories of policy.
Courses: BS62, BS83, IF64, BS93, GS81, GS70, BS30
Prerequisites: An undergraduate degree
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: EPN104

MGN517 PROGRAM MANAGEMENT & EVALUATION
Understanding of program management and evaluation in the public sector, with an emphasis on skills development; theory and methodology of evaluation research; qualitative and quantitative tools and the application of these to a public sector program.
Courses: BS62, BS83, IF64, BS93, GS81, GS70, BS30
Prerequisites: An undergraduate degree
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: EPN1106

MGN518 PROJECT
Students undertake an analytic study of approaches to TQM implementation that forms a basis for development of an approach to implementation tailored to a particular organisation. This forms the groundwork for unit BSN150. The project report covers either (a) a detailed study of the strengths and weaknesses of the quality approach of a particular organisation, or (b) a critical review of approaches to TQM reported in the literature.
Course: IF66
Credit Points: 12
Incompatible with: BSN149

MGN519 PROJECT
Students undertake an in-depth study of the practical requirements for implementing a TQM approach, either within a specific organisation or at a range of organisations. By integrating this practical study with the theoretical content of other units, students develop skills that enable them to take a leading role in developing and implementing an organisational strategy based on quality. The project report covers either (a) a critical analysis of the approaches used in a particular organisation for the implementation of a quality program, together with a detailed plan for future developments or (b) a research-based project on the appropriability and implementability of TQM. This may focus on broad theoretical issues or on a particular industry. The precise scope is developed in consultation with the Course Coordinator.
Course: IF66
Credit Points: 24
Incompatible with: BSN150

MGN520 RESEARCH DISSERTATION
All students undertake a research dissertation. Each student is assigned to a supervisor, subject to the approval of the Course Coordinator, in consultation with the relevant Head of School. In general, the supervisor provides guidance in relation to the choice, preparation and submission of the dissertation. Supervisors are appointed
when students commence the research seminar unit. The
the dissertation is examined by an examining commit-
tee of at least two examiners, one of whom may be external
to the university, plus the Course Coordinator, who acts
as chair of the committee.
Course: IF64
Credit Points: 48
Incompatible with: BSN151

■ MGN521 RESEARCH METHODOLOGY
Equips students with a range of ideas and methods al­
design; data collection: data
presentation.
Specific needs of individual research
Quality in policy research requires
vise the student with that understand­ing, ta1lored to the
provides a particular focus upon methods and tech­miques
Credit Points: 12
Incompatible with: BSN400

■ MGN522 RESEARCH SEMINAR
Quality in policy research requires sound understanding
of appropriate research methodologies, their design and
project. This unit is intended to help pro­vide the student with that understanding, tailored to the
specific needs of individual research dissertations. It
provides a particular focus upon methods and techniques
relevant to evaluation research.
Courses: B862, B863, B865, B863, B892
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: BPN418

■ MGN523 SCIENCE & TECHNOLOGY
This course assists students in understanding science and
technology policy. It is structured into two parts. The first
examines policy structures and processes whilst the sec­ond
examines science and technology policy issues which are
sector specific. The latter part of this course has a
particular focus on policy and the issues are sector spe­cific.
The latter part of this course has a particular focus
and the commercialisation of technology although
issues relevant to other sectors are also addressed.
Courses: B862, B878, B881, B883, IF64, B863, B892
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPN419

■ MGN524 SPECIAL TOPIC IN
MANAGEMENT I
This unit allows students to undertake specialised study
on a topic area relevant to particular needs. It permits an
in-depth examination of an issue of importance. The
content varies depending the issue examined, and the
academic member(s) involved (including short-term vis­iting
academics).
Courses: B862, B863, B865, B863, B892
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: BSN530

■ MGN525 SPECIAL TOPIC IN
MANAGEMENT II
This unit allows students to undertake specialised study
on a topic area relevant to particular needs. It permits an
in-depth examination of an issue of importance. It permits an
in-depth examination of an issue of importance. The
content varies depending the issue examined, and the
academic member(s) involved (including short-term vis­iting
academics).
Courses: B862, B863, B865, B863, B892
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: BSN530

■ MGN526 ADVANCED READINGS IN
MANAGEMENT II
This unit permits students to explore in depth advanced
theory, research and issues of practice in management.
Course: B893
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRN118

■ MGN527 ADVANCED READINGS IN HUMAN
RESOURCE MANAGEMENT II
This unit permits students to explore in depth advanced
theory, research and issues of practice in human resource
management.
Course: B893
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRN118

■ MGN528 SPECIAL TOPIC IN HRM I
This unit allows students to undertake specialised study
on a topic area relevant to particular needs. It permits an
in-depth examination of an issue of importance. The
content varies depending the issue examined, and the
academic member(s) involved (including short-term vis­iting
academics).
Courses: B893
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRN118

■ MGN529 SPECIAL TOPIC IN HRM II
This unit allows students to undertake specialised study
on a topic area relevant to particular needs. It permits an
in-depth examination of an issue of importance. The
content varies depending the issue examined, and the
academic member(s) involved (including short-term vis­iting
academics).
Courses: B893
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRN118

■ MGN600 DISSERTATION
This unit is a culmination of a research degree in that
students apply theory and research material to explore in
some depth an applied or theoretical topic in their chosen
field. Students develop a research topic, collect infor­mation about that topic from primary and/or secondary
sources, evaluate the evidence and arguments, and present
the results of that critical assessment in an organised and
logical form. The Thesis consists of a substantial written
report. Honours theses of 68 credit points could be expected
It be examined, and the to contain about 20000 words. The thesis is
assessed by two examiners, one of whom must be external
to QUT. Students select a supervisor to assist them with
the development and implementation of their research
study. They negotiate a learning contract which stipulates
among other things the frequency and duration of meet­ings
with the supervisor, and the timetable for submission of
interim and final reports. Planning for the thesis
should begin as early as possible, allowing lead units to be
keyed to the thesis as appropriate.
Courses: B862, B863, B865, B892
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: BSN144

■ MGN601 THESIS
This unit is a culmination of a research degree in that
students apply theory and research material to explore in
some depth an applied or theoretical topic in their chosen
field. Students develop a research topic, collect infor­mation about that topic from primary and/or secondary
sources, evaluate the evidence and arguments, and present
the results of that critical assessment in an organised and
logical form. The Thesis consists of a substantial written
report. Ordinarily this would involve a report of up to 60000 words of examinable material for
a 144 credit point thesis.
Courses: BS62, BS83, BS92  
Prerequisite: BSN144  
Credit Points: Students enrol in sequential 12 credit point thesis units commencing with BSN145/1 until they have completed the requisite number of thesis credit points. Progress is assessed at the end of each semester. Note that each thesis is assessed on one major report submitted at the completion of all necessary thesis units.  
Incompatible with: BSN145  

**MGX001 SAFETY AND INDUSTRIAL RELATIONS**

Current systems and practices in occupational safety and health programs. Industrial relations system in Australia and implementation techniques which may be employed to create a good industrial relations climate on a site or in an industry.  
**Courses:** CE21  
**Credit Points:** 7  
**Contact Hours:** 2 per week  
**Incompatible with:** HRX111  

**MIB001 MARKETING (INFO TECH)**

Definition of marketing including its fit into strategic plans of firms or institutions, either profit or non-profit; full explanation of components of the marketing mix with emphasis on a systems approach. The components of the marketing mix defined as price, promotion, product and distribution; the integration of the above elements with branding, packaging sales and sales promotion to create the marketing plan.  
**Courses:** CS28, IS28, IS10, IS43  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** HRX111  

**MIB002 PROPERTY MARKETING**

Characteristics of the Australian property market, the nature of marketing problems. The marketing plan; the mix, implementation of plan and sales forecast; pricing decisions, approaches to selling; considerations of sales particulars and auction catalogues. Promotional decisions: determination of budget size; media decision and sales promotion; technological advances and market changes. Real estate brokerage and the application of marketing principles to residential, commercial, industrial, special and overseas properties. Negotiation skills development.  
**Course:** BS56  
**Credit Points:** 7  
**Contact Hours:** 3 per week  

**MIB200 ASIAN BUSINESS DEVELOPMENT**

In this subject students will undertake an analysis of economic change in Asia since 1820. Material presented will cover the response of Japan, China and Southeast Asia to European intrusion and the growth of the international economy. Topics studied will include: the economic consequences of colonisation; the impact of war; technological change; ideology and development policies; ASEAN; the rise of the NICs.  
**Courses:** BS50, BS56  
**Prerequisite:** BSB116  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** EPB105  

**MIB201 AUSTRALIAN EXTERNAL AFFAIRS AND BUSINESS**

Australian business exists within a complex and dynamic global environment. An important part of the structure of that environment, especially as regards access to various national markets, is determined by national government and a range of international agreements entered into by those governments. Australian governments play a vital role, through their various external affairs policies, in this system. The aim of this unit is to provide students with an understanding of external affairs policies in relation to business, their development and implementation.  
**Courses:** BS50, BS56  
**Prerequisite:** BSB116  

**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** EPB131  

**MIB202 BUSINESS AND THE WORLD ECONOMY**

The focus of this unit is on the application of concepts from economics to the trade and finance problems of the international economy and their relationship to business. Topics covered include determination of a country's comparative and competitive advantage in international trade in a variety of industries. The economics and politics of trade policy, the multinational firm, trading blocs, strategic trade policy and the relationship between industries performance, trade and trade policy. International monetary arrangements (gold standard, Bretton Woods System, flexible exchange rates, currency reform); the role of political institutions in economic development (EMS, Maastricht Treaty), international debt and the increasing importance of emerging equity markets will be considered.  
**Courses:** BS50, BS56  
**Prerequisites:** BSB116 and BSB113 or EPB172 or EPB140 or EPB150  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** EPB132  

**MIB203 COMPARATIVE REGULATORY SYSTEMS**

This unit is intended to provide the student with an understanding of the regulatory systems within which businesses operate, on a comparative and international basis. It examines the need for, and the development of, regulatory systems, followed by an examination of regulatory systems in relation to: individual and organisational transactions; business structures; the roles and duties of managers and employees in the workplace; capital; a selection of major industries; and theories of regulation.  
**Courses:** BS50, BS56  
**Prerequisite:** BSB114 or BSB124  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** MKB142  

**MIB204 CONSUMER BEHAVIOUR**

The field of consumer behaviour is young and dynamic. Its focus is the goods and services bought and used, and the ways in which this fits into individual lifestyles. The unit examines how individual characteristics such as motives, personality, lifestyles and attitudes; social variables such as culture, social class, and groups and situational variables can influence our decision making process and how this relates to marketing strategy.  
**Courses:** BS50, BS56, IF56  
**Prerequisite:** BSB116 or MKB140  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** MKB142  

**MIB205 CROSS CULTURAL COMMUNICATION & NEGOTIATION**

This unit will analyse the complex interdependence between cultures, management philosophies, corporate strategies and business negotiations. It is designed to develop skills in managing and negotiating in the Asia-Pacific environment. The unit will assess the relationships among values, significant religions (e.g. Confucian ethics, Islam) and managerial and corporate communications behaviour in diverse environments; it will discuss communications, negotiation and management problems; and deal with socio-cultural issues and behaviour which impact upon international firms.  
**Courses:** BS50, BS56  
**Prerequisite:** BSB117 or COB160  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** MKB142  

**MIB206 ECONOMIC DEVELOPMENT**

The economics of development of the Third World; ex-
amination and application of economic principles, alternative theories and policies to the understanding of significant development problems such as poverty, inequality, unemployment, debt, rural stagnation, economic stabilisation, resource depletion and sustainability. As these problems of development or underdevelopment are rooted in social and institutional causes as well as economic causes, the economic principles are combined with institutional and structural analyses to provide a better understanding of the problems.

Courses: BS50, BS56
Prerequisites: EPB140 and EPB150, or EPB172 or EPN102 or BS113
Credit Points: 12
Contact Hours: 3 per week

MIB207 ECONOMICS OF INFORMATION
This unit will provide students with an understanding of the economics of information in an age when the production of and control of, information is of increasing importance. A variety of topics are covered, including: information as a commodity; the demand for information; the economics of the production of information; the costs of information; the cost, pricing and charging out of information within organisations; the market supply of information; information technology and supply curve, the structure of the information of industry; information and industry concentration; public good characteristics of information; government intervention and economic impacts.

Courses: BS50, BS56
Prerequisites: BS113 or EPB172 or EPB140 or EPB150
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB169

MIB208 EUROPEAN BUSINESS DEVELOPMENT
This subject will provide a survey of the economic development of Europe up to the Second World War focusing on the major factors involved in that development and their impact on business. Topics covered will include: demographic change; agriculture; trade and colonisation; transport and communications; financial institutions and capital accumulation; intellectual and religious movements; economic theories; the role of government; war and revolution; industrialisation; big business; the Great Depression and social change. Various countries will be used as case studies to illustrate the topics.

Courses: BS50, BS56
Prerequisite: BS116
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB120

MIB209 EVENTS MARKETING
This unit emphasises the significance of special events as tourism offerings which contribute to destination development. The scope of the special events industry and event typologies (including cultural, heritage, sporting and others), within the categories of hallmark, corporate and community based events are reviewed. Research of the marketing environment in which special events occur and analyses of markets and stakeholders will be examined relative to developing integrated marketing strategies. Segmentation of events markets, target marketing and positioning strategies will be studied in the context of specific events. The unit will focus on strategic marketing of events relevant to tourism and cultural growth. Marketing communication elements and the sponsorship function are highlighted in this context.

Courses: BS50, BS56, IF56
Prerequisite: MIB217 or MKB141 or an equivalent unit, with the approval of the Subject Area Coordinator
Credit Points: 12
Contact Hours: 3 per week

MIB210 EXPORT MANAGEMENT
This unit is aimed at providing the student with a fundamental understanding of how to plan, organise implement and control the export operations of an Australian business enterprise. The unit is highly applied and covers a range of topics which focus upon the managerial aspects of exporting goods and services to overseas markets. The managerial issues include: an understanding of the internationalisation process; export planning steps, intermediary decisions, transaction/transportation/insurance management issues; domestic and overseas regulatory aspects; and an investigation of overseas contemporary export management practices.

Courses: BS50, BS56, IF56
Prerequisite: BS116
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB143

MIB211 GLOBALISATION AND BUSINESS
This unit aims to introduce students to the nature of the international systems impacting upon business. It adopts an historical and thematic approach that traces the development of dominant factors over time, regions and industries. Specific issues include: the nature and extent of globalisation; the changing world economy; politics, business and the nation state; transnational corporations and the changing pattern of production, trade, investment; the internationalisation of key industries and sectors such as automobiles, electronics and services.

Courses: BS50, BS56
Prerequisite: BS116
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB133

MIB212 INDUSTRY AND REGIONAL ANALYSIS
The aim of this unit is to analyse the nature and structure of industry in national and international contexts in order to provide a suitable framework that can be used by students in the study of the specific industries they select for examination. Topics examined include: interindustry dependencies; regional and interregional linkages; demand analysis; transactions in information, goods, services and other products; network analysis; strategies in structured markets.

Courses: BS50, BS56
Prerequisite: BS113 or EPB140 or EPB150 or EPB172
Credit Points: 12
Contact Hours: 3 per week

MIB213 INTERNATIONAL MARKETING
The aim of this unit is to provide students with a thorough understanding of the multiplicity of issues which impact on the development of international marketing strategies and plans and their operational implementation. The unit is highly applied and provides students with an opportunity to understand the importance of international marketing; examine and analyse environmental forces influencing international marketing decisions; screen, select and segment priority markets; be aware of the methodological issues involved in primary market research; design and develop an operationally sound international marketing plan; study the role of marketing strategy in the globalisation of business.

Courses: BS50, BS56, IF56
Prerequisites: MIB217 or MKB141
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB149

MIB214 MANAGEMENT OF SPORT AND RECREATION
This subject will examine the development of sports and recreation management in an increasingly competitive and global leisure environment. It will examine the full range of management functions in the sports and recreation context, aiming to provide the student with a
comprehensive understanding of those functions in this applied context. Both continuing and special event environments will be investigated, with an emphasis upon project planning and control. Extensive use of case materials will illustrate the diversity characteristic of this sector.

Courses: BS50, BS56 Prequisite: MIB222
Credit Points: 12 Contact Hours: 3 per week

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<tr>
<th>MIB215 MARKETING LOGISTICS</th>
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| Marketing logistics is concerned with the planning, development, maintenance and control of the system of supply and distribution activities that place the organisation’s product or service in the hands of its customers. The subject is designed to enable students to understand the importance of logistics, and make improvements that will increase customer service and reduce distribution costs. The subject involves the application of mainly quantitative models and techniques concerned with product flow from producer to consumer and covers: purchasing and procurement, manufacturing and distribution strategies, quality, inventory costs and control, warehousing and transportation, project network analysis, location and logistics planning. Plant visits are an important part of the learning process. Courses: BS50, BS56, IF56
Prequisite: MIB217 or MIB141 or MIB227
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MKB136

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<tr>
<th>MIB216 MARKETING DECISION MAKING</th>
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This unit provides a detailed examination of decisions in specific tactical and strategic areas of marketing and marketing management. These areas include sales forecasting, market analysis, product planning, pricing, promotion, distribution and other areas. Decisions are viewed from quantitative perspectives with emphasis on computer models and spreadsheets. A primary part of the course is devoted to a computer-based marketing simulation which provides a realistic decision-making environment. Courses: BS50, BS56, IF56
Prequisite: MIB217 or MIB141
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MKB148

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<tr>
<th>MIB217 MARKETING MANAGEMENT</th>
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| The unit extends the student’s knowledge of the fundamental principles covered in the foundation unit in the degree (Marketing & International Business) and focuses on the application of these concepts and theories within the business environment. Emphasis is on the role of the Marketing Manager at the Strategic Business Unit/Product Manager level with regard to their responsibilities in planning, developing and managing marketing activities. Theory is applied through the development of a marketing plan incorporating the pivotal steps of: environmental analysis; market segmentation, targeting and positioning; product development and management; the implementation issues in promotion, distribution and pricing. Courses: BS50, BS56, IF56
Prequisite: BSB116 or MKB140
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MKB141

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<tr>
<th>MIB218 MARKETING SPORT AND RECREATION</th>
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This subject will encompass the development of sport and recreation industries. It will include: the impact of the Second World War, capital and finance in American business development; agricultural developments; manufacturing industry; the rise of the service sector; transport and distribution; communications and media. Courses: BS50, BS56
Prequisite: MIB222
Credit Points: 12 Contact Hours: 3 per week

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<tr>
<th>MIB219 NORTH AMERICAN BUSINESS DEVELOPMENT</th>
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The aim of this unit is to provide the student with an understanding of the development of business and industry in the North American context since 1945. It will describe major patterns in the development of business, and the major social, economic, political and cultural factors determining those trends. Topics covered will include: the impact of the Second World War, capital and finance in American business development; agricultural developments; manufacturing industry; the rise of the service sector; transport and distribution; communications and media. Courses: BS50, BS56
Prequisite: MIB217 or MKB141
Credit Points: 12 Contact Hours: 3 per week

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<tr>
<th>MIB220 ORGANISATIONAL MARKETS</th>
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This subject addresses the special requirements and buyer behaviour of large-scale, bulk-buying customers, such as industrial, resellers and government buyers. There is growing recognition in marketing education that these markets constitute a powerful and essential part of world economy, being the preliminary source for retailing and manufacturing operations and the force behind major service sectors in supplying government and non-government services, including health, education and works. As such, organisational markets are the driving factor behind the economy’s health, nationally and internationally. Courses: BS50, BS56
Prequisite: MIB217 or MKB141
Credit Points: 12 Contact Hours: 3 per week

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<tr>
<th>MIB221 RETAIL INDUSTRY</th>
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The aim of this unit is to provide a detailed examination of the nature of the retail sector in Australia. It will commence with an examination of the development of the sector in the post 1945 era, followed by an examination of contemporary trends and issues. Students will have the opportunity of focusing on a particular segment of this very complex industry in order to develop a specialised understanding. Courses: BS50, BS56
Prequisite: BSB116 and BSB113
Credit Points: 12 Contact Hours: 3 per week

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<tr>
<th>MIB222 SPORT AND RECREATION INDUSTRIES</th>
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This subject will examine the diverse organisations (private, public and not-for-profit) which comprise the sport and recreation industries; patterns of leisure behaviour and consumption; relationship between sport/recreation work and the economy; impacts of media, the environment, changing demographics and globalisation on the business of sport and recreation. Courses: BS50
Prequisite: BSB116 and BSB115 or BSB102
Credit Points: 12 Contact Hours: 3 per week

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<tr>
<th>MIB223 TECHNOLOGY AND INTERNATIONAL BUSINESS</th>
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This unit introduces the student to a conceptual analysis of evolution, the creation of knowledge, and the impact of technology in shaping the economic and commercial strategic agenda of the firm in the international environment. It concentrates on the determining factors of technology, the measurement of impact and patterns of development at a global level. Courses: BS50, BS56
This unit examines the impact of technology and technological change on modern marketing and marketing systems. New technology is forcing significant change in many traditional marketing processes, while at the same time providing unique opportunities for gaining access to customers and vital market data. The unit covers an assessment of the overall impact of new technology on marketing; planning and using database marketing techniques; the impact of information technology on marketing; using expert marketing systems technology and the role of the global information super highway and its impact on contemporary marketing practice. The unit is essentially applied and is taught using case studies, hands on computer laboratory work and individual projects for relevant work organisations.

Courses: BSB50, BSB56
Prerequisites: BSB116, BSB113 or EPB140 and EPB116 (or any introductory Economics unit)
Credit Points: 12
Contact Hours: 3 per week

MIB224 TECHNOLOGY AND MARKETING

This unit examines the impact of technology and technological change on modern marketing and marketing systems. New technology is forcing significant change in many traditional marketing processes, while at the same time providing unique opportunities for gaining access to customers and vital market data. The unit covers an assessment of the overall impact of new technology on marketing; planning and using database marketing techniques; the impact of information technology on marketing; using expert marketing systems technology and the role of the global information super highway and its impact on contemporary marketing practice. The unit is essentially applied and is taught using case studies, hands on computer laboratory work and individual projects for relevant work organisations.

Courses: BSB50, BSB56
Prerequisites: BSB116, BSB113 or EPB140 and EPB116 (or any introductory Economics unit)
Credit Points: 12
Contact Hours: 3 per week

MIB225 TOURISM

This unit will provide a detailed understanding of tourism in the domestic and international contexts, and their interaction. It will focus upon: the developing nature of tourism products and services; the significance of tourism in the domestic and international economies; tourism as a market process; government and tourism; managing tourism ventures; cultural and environmental dimensions of tourism; and contemporary issues and trends.

Courses: BSB50, BSB56, IF56
Prerequisites: BSB113 and BSB115 or BSB102 and any Economics unit
Credit Points: 12
Contact Hours: 3 per week

MIB226 TOURISM MARKETING

This unit explores services marketing within tourism contexts. It provides students with detailed understanding of the issues affecting the marketing of tourism destinations, elements of the destination mix and various tourist attractions. Services marketing techniques are explored within key elements of the destination mix at the regional, state, national and international levels.

Courses: BSB50, BSB56, IF56
Prerequisites: BSB116 or MKB140
Credit Points: 12
Contact Hours: 3 per week

MIB300 CONTEMPORARY BUSINESS IN EUROPE

The aim of this unit is to examine major issues in relation to business in contemporary Europe. It will build upon the historical understanding established in MIB208 . The focus is a description and analysis of contemporary developments in relation to business, including: the growth of regional cooperation in Europe; business and regional cooperation; European Union policies and business; developments and opportunities in Eastern Europe; case studies in trading with Europe.

Courses: BSB50, BSB56
Prerequisite: MIB208 or EPB120
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB121

MIB301 CONTEMPORARY BUSINESS IN NORTH AMERICA

The aim of this unit is to examine major issues in relation to business in contemporary North America, with a primary focus upon the USA. It will build upon the historical understanding developed in MIB219 . The unit commences with an examination of current macroeconomic and industry trends, and government policies in relation to business. It moves on to examine financial markets, North American businesses in world trade and finance, NAFTA and its impact, USA-Japan relations, and Australia-North American trade relationships.

Courses: BSB50, BSB56
Prerequisite: MIB219
Credit Points: 12
Contact Hours: 3 per week

MIB302 CULTURAL INDUSTRIES ANALYSIS

The objectives of this subject are to provide students with an understanding of the structure, conduct and performance of the cultural and artistic sector of our economy and develop and apply appropriate marketing skills and strategy for that sector. Topic areas include the development and structure of cultural industries and institutions, funding and subvention, estimating demand for cultural products, pricing arts products, corporate philanthropic practices, relationship marketing in the arts, the value of public cultural goods, trade leverage from cultural goods and an introduction to cultural economics.

Courses: BSB50, BSB56
Prerequisites: BSB113 and MIB212
Credit Points: 12
Contact Hours: 3 per week

MIB303 INTERNATIONAL LOGISTICS

This unit builds upon MIB215. It provides an overview of international trade and then focuses upon: managing international distribution channels; network links; transport modes and modal interface systems; transport regulations; sourcing and supply of components; location of manufacturing plants and warehouses; information; communication; cost management; network audit and evaluation.

Course: BSB56
Prerequisite: MIB215
Credit Points: 12
Contact Hours: 3 per week

MIB305 MARKET RESEARCH

The purpose of this subject is to provide students with a sound theoretical base in market research and to examine the practical problems encountered in the field. Its objectives are: to ensure students gain the knowledge to effectively buy and use market research; to give students the basic skills necessary to undertake simple market research projects; and to introduce more advanced market research subjects.

Courses: BSB50, BSB56, IF56
Prerequisite: MIB217 or MKB141
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB151

MIB307 PRODUCT INNOVATION AND MARKET DEVELOPMENT

This subject deals with the dynamics of product innovation and product development within the mix of core marketing activities in organisations operating in both national and international markets. Products are defined in the broadest sense to include both tangible and intangible and the various categories of consumer, industrial, services, events and so on. The course covers such areas as product market analysis, design, innovation, research and testing, branding and packaging, and investment analysis. The learning methodology will be mostly experiential and will include some hands-on computer usage, visits to industry where relevant and specific practical exercises.

Courses: BSB50, BSB56, IF56
Prerequisite: MIB217 or MKB141 or MIB223
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB151

MIB308 PROFESSIONAL MARKETING PRACTICE

The aim of this unit is to provide the student with experience of professional practice in a suitable company
where they actively work on a part-time basis. Students undertake a preferred study program within the marketing framework. Students are required to submit a number of reports reflecting the theoretical concepts acquired during the degree program and how they might be applied in practice. The study program is drawn up in consultation with and on the approval of the lecturer.

Courses: BS50, BS56, IF56  
Prerequisite: MIB217 or MKB151  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: MKB153

MIB309 PROMOTIONAL STRATEGY

This unit provides critical understandings of the linkage between the nature of marketing strategies adopted and decision making about the marketing or promotional strategy. There is a definite need for the marketing graduate to fully understand the characteristics of the market environment and business and marketing strategies in order to have an adequate information base to decide message positioning, choice of marketing communication or promotional mediums and balance of expenditure across these mediums. Such a unit will clearly enable students to both grasp theoretical and practical skills with regard to this essential marketing element.

Courses: BS50, BS56, IF56  
Prerequisite: MIB217 or MKB141  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: MKB152

MIB310 RETAIL MARKETING

This unit is an introduction to the dynamics of the retailing industry. It provides the student with detailed knowledge of the way retail marketing is conducted nationally and internationally from both strategic and operational perspectives. The unit provides a balance of theory and application in topics such as retail institutions and the retail life cycle, macro and micro store location analysis, store layout, planning and design, merchandising promotion and stock planning, franchising and industry trends. Field trips and in-store projects are an integral part of the learning process.

Courses: BS50, BS56, IF56  
Prerequisite: MIB214 or MIB221 or BSB116  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: MKB145

MIB311 SERVICES MARKETING

This subject is concerned with the special characteristics of services and the marketing strategies needed to deal with these characteristics. Topics covered include: the nature and classification of services; the differences between services and products and their implications for marketing strategy; the concept of productivity for services including the management of demand and supply; the search for service quality; customer service; distribution; and international trade in services.

Courses: BS50, BS56, IF56  
Prerequisite: MIB214 or BSB116  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: MKB146

MIB312 SPECIAL TOPIC IN INTERNATIONAL BUSINESS

This is intended to be an 'open-ended' unit where the opportunity will be available for staff and visiting scholars to offer a specialised program of study.

Course: BS56  
Prerequisite: MIB203  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: EPN110 unless the permission of the Course Coordinator is gained

MIB313 SPECIAL TOPIC IN MARKETING

This is intended to be an 'open-ended' unit where the opportunity will be available for staff and visiting scholars to offer a specialised program of study.

Courses: BS56  
Prerequisite: MIB217  
Credit Points: 12  
Contact Hours: 3 per week

MIB314 STRATEGIC BUSINESS ANALYSIS

A knowledge of international and domestic industry market trends and their specific impacts upon the organisation provides the basic data for the development of flexible strategic visions and plans. The aim of this unit is to provide an examination of major paradigms in strategic formulation and implementation, and to develop a synthesis of competing prescriptive and descriptive approaches. It will enable the development of an integrating framework to explore why organisations differ and how these differences, in terms of individual competences and organisational capacities, provide for sustainable competitive advantage in domestic and international markets.

Courses: BS50, BS56  
Prerequisite: MIB212 or MGB208 or MGB206  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: Business Policy or Strategic Management units from the Management Core Major

MIB315 STRATEGIC MARKETING

Strategic Marketing is the capstone marketing unit. Students are exposed to a variety of advanced marketing techniques and issues through lectures, seminars and case studies. Topics include: determining what marketing strategy can realistically accomplish for a business; identifying underlying factors that must be considered in developing marketing strategy; discussion of problems and their solution for successful marketing strategy implementation; bringing in the customer focus in developing marketing strategy; organising for successful strategy implementation.

Courses: BS50, BS56, IF56  
Prerequisite: MIB217 or MKB141  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: MKB155

MIB316 TOURISM DEVELOPMENT

The operation and development of tourism markets is the central concern of this unit, building upon the base provided in MIB225. It focuses upon product and service development, demand and market strategies, using a variety of case study materials and analytical methods. At the completion of the unit the student will have an understanding of the economic context of tourism, the development of tourism markets, and the factors that contribute to successful tourism ventures.

Courses: BS50, BS56, IF56  
Prerequisite: MIB225  
Credit Points: 12  
Contact Hours: 3 per week

MIB317 CONTEMPORARY BUSINESS IN ASIA

The business and cultural environments of Japan, China the NICs and ASEAN; the major Asian economies, their structure and related issues; social and institutional foundations of the economies concerned; interaction between Asia and Australia.

Courses: BS56  
Prerequisite: MIB200 or EPB105  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: EPB108

MIN400 ARTS ADMINISTRATION AND SOCIETY

This unit is designed to familiarise students of arts administration with the structures, philosophies and policies of arts and cultural organisations in the local, national and international community and the processes involved in administering arts and culture in society. It focuses upon social, cultural, political and economic influences upon the arts; public policies on arts and culture, and associated funding processes; organisational
structures and planning; community, multicultural and regional arts; current research in arts administration.
Courses: GS70, BS30
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKP108

■ MIN401 AUSTRALIAN FOREIGN AFFAIRS AND BUSINESS
Australian business exists within a complex and dynamic global environment. An important part of the structure of that environment, especially as regards access to various national markets, is determined by national governments and a range of international agreements entered into by those governments. Australian governments play a vital role, through their various external affairs policies, in this system. The aim of this unit is to provide students with an understanding of external affairs policies in relation to business, their development and implementation.
Courses: BS93
Prerequisites: GSN101, or GSN204, or MGN516 or EPN108
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPN113

■ MIN403 BUSINESS IN ASIA
The aim of this unit is to enable a more intensive study of business and markets in Asia. The development of the major industries will be examined, together with major intra-regional patterns of trade, commerce and finance. Significant economic, political and social factors determining developments will be focused upon, as well as regulatory restraints governing market access. The student will be required to undertake a project which requires the application of knowledge of the region to a business issue.
Courses: BS63, BS92, BS93, GS80
Prerequisites: GSN101 or BSN408 or GSN204
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPN108, EPN110, unless the permission of the Course Coordinator is gained

■ MIN404 BUSINESS IN EUROPE
The aim of this unit is to enable a more intensive study of business and markets in Europe. The development of the major industries will be examined, together with intra-regional patterns of trade, commerce and finance. A particular focus will be the development of a single European market and its international implications. Significant economic, political and social factors determining developments will be focused upon, as well as regulatory restraints governing market access. The student will be required to undertake a project which requires the application of knowledge of the region to a business issue.
Courses: BS63, BS92, BS93, GS80
Prerequisites: GSN101 or BSN408 or GSN204
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPN110, unless the permission of the Course Coordinator is gained

■ MIN405 BUSINESS IN NORTH AMERICA
The aim of this unit is to enable a more intensive study of business and markets in North America. The development of the major industries will be examined, together with intra-regional patterns of trade, commerce and finance. A particular focus will be the development of NAFTA and its international implications. Significant economic, political and social factors determining developments will be focused upon, as well as regulatory restraints governing market access. The student will be required to undertake a project which requires the application of knowledge of the region to a business issue.
Courses: BS63, BS92, BS93, GS80
Prerequisites: GSN101 or BSN408 or GSN204
Credit Points: 12
Incompatible with: EPN110, unless the permission of the Course Coordinator is gained

■ MIN406 COMPARATIVE REGULATORY SYSTEMS
This unit will provide the student with a detailed understanding of the regulatory systems within which businesses operate, on a comparative and international basis. The major focus is upon Europe, Asia and North America. The development of regulatory systems and their impact upon actual or potential markets will be examined, especially in relation to significant differences that inhibit or enhance international business.
Courses: BS63, BS92, BS93
Prerequisites: 48 credit points from GS80 or GS81 or GS70 or GSN204
Credit Points: 12
Contact Hours: 3 per week

■ MIN407 CONTEMPORARY ISSUES IN MARKETING
This unit introduces emerging issues in marketing theory and the discipline of marketing, plus issues that may not have been covered earlier in the course but are nevertheless important. The specific issues covered each year will be negotiated with the staff members involved. Issues could include: pricing, market orientation, integrative marketing communication, organisational marketing, and public policy (for example, green marketing). Classes would usually include presentations by staff and by students who have worked individually or in groups to research issues.
Courses: BS85, BS61
Prerequisites: 48 credit points from GS80, GS81 or GS70 or an undergraduate specialisation in marketing
Credit Points: 12
Incompatible with: EPN108, EPN110, unless the permission of the Course Coordinator is gained

■ MIN408 FUNDRAISING CAMPAIGNS
This unit aims to develop an expertise in planning and implementing fundraising campaigns. Topics include: planning a complete campaign; defining relevant constituencies and appropriate means for linking these to target markets; budgeting and managing campaign elements; working successfully with boards and volunteers; evaluating fundraising efforts. Students undertake a group project in the form of an analysis of a fundraising campaign.
Courses: BS63, BS92, BS93
Credit Points: 12
Incompatible with: EPN110, unless the permission of the Course Coordinator is gained

■ MIN409 FUNDRAISING PRINCIPLES
This unit examines the principles of fundraising, including: preparation of the case statement; planning methods; techniques for fundraising. The application of basic concepts from public relations, advertising, marketing and management are examined. Specific topics include: philosophy of fundraising and its role in society; budgeting; gift and capital campaigns; planned giving; researching and establishing prospect bases; procedures of solicitations; team building; volunteers; role of foundations.
Courses: BS63, BS92, BS93
Credit Points: 12
Incompatible with: EPN110, unless the permission of the Course Coordinator is gained

■ MIN411 INDUSTRY COMPETITION AND NETWORK ANALYSIS
This unit aims to emphasise the need to identify and monitor those elements inside and outside a business upon which a sustainable competitive advantage is built. It builds concepts and tools (such as PIMS analyses) with which to analyse dynamic, competitive and collaborative forces within an industry. The industries involved in this unit will be both domestic Australian and international ones.
Courses: BS85, BS61
Prerequisite: MIN413 or MKN100
Credit Points: 12  Contact Hours: 3 per week

**MIN413 MARKET AND BUSINESS RESEARCH METHODS**

The aim of this unit is to provide an understanding of the issues underlying the conduct of market and other business related research. Issues include: identifying the research problem, ethical considerations, collecting and analysing data, computer programs, how to write a report and make a presentation to management. Teaching processes will include lectures, seminar discussions, group pilot research reports, and class presentations. The writing and presentation skills will be used through the rest of the course.

Courses: BS85, BS61
Prerequisite: An undergraduate specialisation in marketing
Incompatible with: MKN100

**MIN414 MARKETING DECISION SYSTEMS**

Students of this unit will learn how to use computer programs to facilitate marketing decision making, and explore issues raised by information technology and the information highway. The computer programs may include spreadsheets, suites of programs for specific marketing decisions including forecasting, and SPSS. Issues may include the future impact on the future of marketing communication and distribution channels (including direct and database marketing), methods for dealing with information load/overload, customer acceptance of interactive media, and the effects of re-engineering on the marketing function.

Courses: BS85, BS61
Prerequisite: MIN413 or MKN100 or 48 credit points from GS80, GS81 or GS70
Credit Points: 12  Contact Hours: 3 per week

**MIN415 MARKETING FOR ARTS ADMINISTRATORS**

This unit is designed to provide students of arts administration with an understanding of the basic marketing concepts and their application within the context of culture and the arts. It examines the principles of cultural enterprise; promotion; sponsorship; advertising; communication; market research and the development of marketing plans; and campaigns for arts and cultural organisations.

Courses: GS70, BS30
Prerequisite: MIN400 or MIN430 as a corequisite
Incompatible with: Any postgraduate unit in Marketing

**MIN419 SEMINARS IN CONSUMER BEHAVIOUR**

Introduction to the area of consumer behaviour and a forum for discussion of theory and research in the field. Students will execute research projects and discuss the interdisciplinary nature of consumer behaviour. Issues from past classes include: children as consumers, consumerism, ethical decision making, gender representation in advertising, emotions research, time, hedonism and materialism, and cross-cultural research.

Courses: BS85, BS61
Prerequisite: An undergraduate specialisation in marketing or 48 credit points from GS80, GS81 or GS70
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MKN108

**MIN421 SEMINARS IN INTERNATIONAL MARKETING**

This unit covers international marketing theory and planning. Theoretical issues will include segmentation of international markets, life cycle and contingency approaches to international market entry choice, and market development and extension. Planning issues could cover the strategic marketing processes involved, including international market research involved, and their application to regions and countries in the Asia/Pacific region or Europe.

Courses: BS85, BS61
Prerequisite: An undergraduate specialisation in marketing or 48 credit points from GS80, GS81 or GS70
Credit Points: 12  Contact Hours: 3 per week

**MIN422 SEMINARS IN MARKETING MANAGEMENT**

An advanced study of marketing, marketing systems and marketing management decision processes within the contemporary structural social, cultural, political, economic, business and organisational environments. The interpretation of accounting reports to identify and develop financial information necessary to plan and control the marketing function. Marketing management issues associated with profit and non-profit organisations and the relevance of marketing theory to these institutions.

Courses: BS85, BS61
Prerequisite: An undergraduate specialisation in marketing or 48 credit points from GS80, GS81 or GS70
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MKN107

**MIN423 SEMINARS IN PRODUCT INNOVATION AND DEVELOPMENT**

The unit deals with the dynamics of product innovation and product development within the mix of core marketing activities of organisations. A 'product' is defined broadly to include both tangible and intangible offerings and the various categories of consumer and industrial services and events. Issues covered include: product market analysis, design, innovation, evaluation and testing of product ideas, branding and packaging, market testing and investment analysis. Learning methodologies are mostly experiential and include hands-on computer use, visits to organisations and practical exercises.

Courses: BS85, BS61
Prerequisite: An undergraduate specialisation in marketing or 48 credit points from GS80, GS81 or GS70
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MKN109

**MIN424 SEMINARS IN SERVICES MARKETING**

This unit emphasises the services which comprise three-quarters of developed economies. In services, relationships with customers have a large role, and so this unit concentrates on establishing or identifying valuable customers and maintaining relationships with them. Issues include: segmenting services markets, developing and measuring relationships, long run networks versus one-off transactions, service quality management in various industries such as retailing and tourism, innovations in services distribution and brand equity.

Courses: BS85, BS61
Prerequisite: MIN422 or MKN107
Credit Points: 12  Contact Hours: 3 per week

**MIN425 SEMINARS IN STRATEGIC MARKETING**

This unit provides a foundation understanding of strategic marketing and is an integrative, capstone unit for the first, foundation units of the program. It deals with how an organisation can adapt to a changing external environment through market-driven strategic planning. Is-
issues covered include: environmental analysis, strategic positioning, and the development of strategic marketing plans. The unit usually includes groups of students creating strategic marketing plans for real world organisations.

Courses: BS85, BS61 Prerequisites: 48 credit points Credit Points: 12 Contact Hours: 3 per week Incompatible with: MKN110

- MIN426 SPECIAL TOPIC IN INTERNATIONAL BUSINESS

This is intended to be an 'open-ended' unit where the opportunity will be available for staff and visiting scholars to offer a specialised program of study.

Courses: BS63, BS92, BS93 Prerequisites: A first degree Credit Points: 12 Contact Hours: 3 per week Incompatible with: EPN110 unless the permission of the Course Coordinator is gained.

- MIN428 STRATEGIC ISSUES AND TOURISM

Tourism represents a complex exchange of numerous differentiated and diverse goods and services involving many industries, activities, operators and government agencies. It is the nature of the interactions between the tourist and the various providers which determines quality of the tourist experience and the extent to which tourist expectations are realised. The strategic management of tourism thus involves considerations of variability, interdependence, complexity and transaction interactions normally not encountered in non-tourist settings. The aim of this unit is to help the student develop an understanding of the need for, and ability to generate, appropriate strategic perspectives and plans.

Courses: BS63, BS92, BS93 Prerequisite: MIN433
Credit Points: 12 Contact Hours: 3 per week

- MIN429 STRATEGIC MARKETING MANAGEMENT

This unit is the capstone unit of the Masters program. It aims to ensure students can manage the complete marketing function at a senior level within a corporation, and includes assessing the marketing function's performance with appropriate tools to diagnose, assess, track and evaluate performance and to modify processes to improve the function. Links between the marketing function and other functions of a business such as accounting, operations and human resources will be drawn, so that the student would be in a position to move into top management if the opportunity arose. Learning methodologies may include a complex computer simulation requiring a series of competitive strategic marketing decisions with feedback on them.

Courses: BS85, BS61
Prerequisites: 96 credit points, including MIN422
Credit Points: 12 Contact Hours: 3 per week

- MIN430 THE ARTS INDUSTRY

This unit provides a general framework for the analysis of the arts and culture as an industry. It examines the operational procedures of arts organisations, including the relationships of the arts with: the legal system and the law; the media; industrial awards; business; the public; the human resources of the organisation; and multimedia developments. It concludes with an examination of cultural leadership in the community.

Courses: G570, BS30 Prerequisites: MIN400
Credit Points: 12 Contact Hours: 3 per week Incompatible with: MKP109

- MIN431 TOURISM DEVELOPMENT

The aim of this unit is to examine tourism projects and their developmental impacts. It will focus on project analysis, formulation and implementation in a variety of project contexts, both domestic and international. The notion of a tourism cycle is introduced, with an examination of the opportunities and problems associated for specific projects with each stage in the cycle.

Courses: BS63, BS92, BS93 Prerequisite: MIN433
Credit Points: 12 Contact Hours: 3 per week

- MIN432 TOURISM MARKETING

This unit explores services marketing within tourism contexts. It provides students with a detailed understanding of the issues affecting the marketing of tourism destinations, elements of the destination mix and various tourist attractions. Services marketing techniques are explored within key elements of the destination mix at the regional, state, national and international levels.

Courses: BS63, BS92, BS93 Prerequisite: MIN433
Credit Points: 12 Contact Hours: 3 per week

- MIN433 TOURISM: NATIONAL AND INTERNATIONAL

The aim of this unit is to provide a detailed examination of tourism trends on a national, international and comparative basis. The primary focus will be upon the Australian, Asian and European markets, with a detailed examination of types of tourism markets, their development and impact. Current major issues will be assessed and related to the supply of tourism services and products.

Courses: BS63, BS92, BS93
Credit Points: 12 Contact Hours: 3 per week

- MIN434 SPECIAL TOPIC - MARKETING

This is intended to be an 'open-ended' unit where the opportunity will be available for staff and visiting scholars to offer a specialised program of study.

Courses: BS63, BS92, BS93
Prerequisites: A first degree with a specialisation in marketing
Credit Points: 12 Contact Hours: 3 per week

- MJB101 JOURNALISM INFORMATION SYSTEMS

This unit acquaints students with the uses journalists make of computers in their work; for word processing, personal information management, time management, and gathering information for stories by searching online and CD-ROM databases, by analysing public records with spreadsheets and by using email to 'interview' sources found on Internet Bulletin Boards and in Newsgroups, Usergroups, and Listservers.

Course: MJB101
Prerequisite: Journalism majors and minors only
Corequisite: MJB120
Credit Points: 12 Contact Hours: 3 per week

- MJB111 MEDIA WRITING

Introduction to writing for the electronic media. The major requirements for writing practice within a variety of electronic media industry contexts, and the implications for writers of these diverse contexts and audiences. Film, television, radio and multimedia, including drama, documentary, comedy, educational and corporate.

Course: MJB111
Credit Points: 12 Contact Hours: 3 hours per week

- MJB115 SUPERVISED PROJECT FILM AND TELEVISION

Students undertake one or more specialist roles in the production of an approved major film or television project.

Course: BS50, MJB15. Available to Film and Television Production majors only.
Prerequisites: MJB113, MJB114, MJB134
Credit Points: 12 Contact Hours: 6 per week Incompatible with: MJB352
■ MJBI18 FUNDAMENTALS OF PHOTOGRAPHY
Historical development of the photographic arts, role of the photographer in society, the principles of visual perception, composition and design, photography as both art and craft; display photography, news photography, photo layout and design; the still camera, developing, printing and enlarging; creative use of camera and darkroom; colour and electronic imaging. Fortnightly photographic assignments and portfolio.
Courses: BS50, IF52, IF54, IT20, MJ20, MJ23
Credit Points: 12  Contact Hours: 4 per week

■ MJBI20 NEWSWRITING
Students learn to think like journalists, to evaluate events for their potential news value, to interview and perform other reporting tasks and to write news stories; the evolution and theories of reporting.
Course: MJ20  Prerequisite: MJBI1
Credit Points: 12  Contact Hours: 3 per week

■ MJBI21 JOURNALISTIC INQUIRY
The philosophical rationale behind the free flow of information and its use studied from practical and theoretical perspectives. The journalist's role in society defined and explored through the use of advanced research techniques involving Freedom of Information, property and company searches and the use of newspaper databases.
Courses: BS50, MJ20  Prerequisites: MJBI20, MJBI1
Credit Points: 12  Contact Hours: 3 per week

■ MJBI27 FILM NARRATIVE
An historical analysis of narrative in the cinema through a study of the development of innovative cinematic storytelling techniques and the impact of improved technology. The inter-relationship between improved technical means - cameras and lenses, editing techniques, sound equipment and lighting - and how these have increased the creative scope of film makers. Content will not be simply restricted to film but will also discuss elements of the graphic arts, the novel, dramatic forms and social phenomena in various national groupings.
Courses: BS50, MJ20, MJ23
Credit Points: 12  Contact Hours: 3 per week

■ MJBI30 MEDIA TEXT ANALYSIS
The unit acquaints students with a range of approaches, both traditional and contemporary, to the analysis of media texts. It equips students with practical methods of understanding the creation and structuring of social meaning through media. The strategies applied in the analysis of texts will be drawn from the following areas: Utilitarianism, New Criticism and the traditional legacy; Semiotics and Structuralism/Post-Structuralism; Marxism and Contextual/Architectural Approaches; Feminism, Psychoanalysis, and Multi-Culturalism. The media texts chosen will include newspaper articles, cartoons, photographs, advertisements, films and television programs.
Courses: ED50, MJ20
Credit Points: 12  Contact Hours: 3 per week

■ MJBI40 MEDIA AND SOCIETY
A range of theoretical positions on mass media study; the political economy of the media; the role and meaning of advertising; the manufacture of news; theories of journalism; audience theory; media representation of different societal groups - gender, race, ethnicity, class, age; public access media; media ownership and control; the treatment of particular social issues in the media; textual and discourse analysis; new technologies; ethics.
Courses: AA11, AA21, AA51, AA71, ED50, IU20, MJ20, SS07
Credit Points: 12  Contact Hours: 3 per week

■ MJBI41 FILM AND TELEVISION LANGUAGE
The unit surveys the processes by which meaning is constructed in film and television programs. This is first studied in relation to the question of form, and attention is given to how films, both narrative and non-narrative, and television programs may be structured. The production of meaning is explored through a detailed examination of mise-en-scene (movement and placement of actors, setting, lighting, and costume), cinematography (including camera-angle, camera-distance, camera-movement and special effects), editing and sound.
Courses: ED50, MJ20
Credit Points: 12  Contact Hours: 4 per week

■ MJBI47 FILM AND TELEVISION GENRES
This unit explores the concept of genre in films and television programs. It investigates the conventions and iconography of particular film and television genres. It also examines the relationships between film genres and television genres, between genre and history/ideology, between genre and the film and television industries, and between the generic texts produced by these industries.
Courses: ED50, MJ20  Prerequisite: MJBI30 or equivalent
Credit Points: 12  Contact Hours: 3 per week

■ MJBI49 FILM HISTORY
The unit explores how film has developed throughout this century and the relationship of this development to historical and technological change. It also examines what constitutes film history and the perspectives from which that history may be written. The following topics are treated: the development of the Hollywood classical continuity style; notions of 'realism' and their relation to French poetic realism of the '30s, neo-realism in post-war Italy, and the 'kitchen-sink' films of Britain in the '60s; modernism; expressionism and film noir; the impact of widescreen formats; the various 'new waves' of the '50s and '60s; and the impact of new technologies and information systems on film.
Course: ED50
Credit Points: 12  Contact Hours: 3 per week

■ MJBI55 MEDIA PRODUCTION
Analysis of audio-visual media in terms of markets served; criteria used in the selection of the appropriate mediated form; the technology and development of film and television; the principles of production and production management. Introduction to script layout. Principles of directing, camera, lighting, sound and editing, introduction to animation, graphics and special effects; introduction to multi-media technology, principles and future directions.
Courses: BS50, ED50, MJ20, MJ23
Credit Points: 12  Contact Hours: 5 per week  Incompatible with: MJBI12

■ MJBI65 CREATIVE SOUND
Creation and manipulation of sound in the communication context; fundamentals of sound and sound recording; dynamic range, distortion, bias, equalisation, multi-tracking and mixing; microphone techniques, digital recording and MIDI.
Courses: MJ20, MJ23  Prerequisite: Available to non-Film and Television Production majors in Semester 2 only
Credit Points: 12  Contact Hours: 4 per week  Incompatible with: MJBI10

■ MJBI66 CREATIVE IMAGE
Foundation principles in the manipulation of light and image, illusion and visual impression. Introduction to the relationship between light, vision and image.
cept covered include energy theory, physical optics, the physiology and psychology of vision, and the recording and processing of photochemical, electronic, and digital images. Theoretical concepts are applied through the use of broadcast industry image production software on networked desktop computing systems.

Course: MJB20
Prerequisite: Available to non-Film and Television Production majors in Semester I only.
Credit Points: 12  Contact Hours: 4 per week
Incompatible with: MJB108

■ MJB180 SPEECH COMMUNICATION FOR JOURNALISTS
This unit draws on the theories of rhetoric, semiotics, group dynamics and interpersonal communication as a base for developing professionals who are articulate presenters, probing but empathic interviewers and interviewees, and good team players. Theory and practice are inter-related to develop understanding and self-reflexivity within students concerning their own communication skills. Practice in simulated work situations will allow growth and learning in the laboratory of the classroom.

Course: MJB180
Credit Points: 12  Contact Hours: 3 per week

■ MJB200 VIDEO DRAMA PRODUCTION
Principles of single camera film and video production. Realising the intention of the programme, conversion of script to production form, budgeting and production management. Principles, aesthetics and practice of: directing, editing, camera, sound, lighting and design crafts. Casting and working with actors, achieving performance, coverage and a quality product.

Course: BS50, MJB20
Prerequisite: MJB15 or MJB126. Available to non-Film and Television Production majors in Semester I only.
Credit Points: 12  Contact Hours: 6 per week

■ MJB204 MEDIA INDUSTRIES AND ISSUES
An introduction to the study of mass media and cultural production, with particular emphasis on Australian media industries, including television, radio, the press, advertising, film, video, publishing and music. The unit considers media industries from social, historical and industrial perspectives, examines the development and implementation of regulation and policy, and explores a range of contemporary and future issues.

Course: MJB204
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MJB104

■ MJB209 AUSTRALIAN TELEVISION
This unit deals with the role of television in the construction of Australia's cultural identity. Particular attention is paid to the part played by a number of historical mini series and documentary films in this process. The unit examines how issues such as war, religion, race, ethnicity, foreign relations and sport are dealt with in a number of texts.

Course: ED50, MJB20
Prerequisite: 96 credit points of undergraduate study
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MJB109

■ MJB213 FILM DRAMA PRODUCTION
This unit provides students with 'hands on' experience in a range of specialist activities required to produce a film drama. Through the application of advanced production techniques, it allows students to realise their creative potential through experimentation and to develop communication skills and methods of working. Students are required to work in professional crew structures to produce a significant short film.

Course: BS50, MJB213
Prerequisites: MJB126 and MJB129 or (MJB200 and MJB229)
Credit Points: 12  Contact Hours: 4 per week
Incompatible with: MJB113

■ MJB224 FEATURE WRITING
Students use the principles of reporting to produce newspaper and magazine articles that profile personalities, or that treat processes, events and places to exploit their human-interest news value.

Courses: BS50, MJB224
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MJB124

■ MJB229 FILM AND TELEVISION SCRIPTWRITING
Writing through analysis of features, documentaries and drama; in-depth approach to writing through analysis of scripts, audiences and the industry; dialogue and character development; use of film in television and public relations; analysis of scripts and script requirements in contemporary markets.

Courses: BS50, MJB229
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MJB129

■ MJB231 TELEVISION STUDIO PRODUCTION
The operational and artistic requirements for simple television studio production including post production for drama. The unit will involve students as a working crew in live studio production. Students will gain direct experience of the roles of producer, director, designer, technical director, floor manager, vision mixer, production assistant and operators of camera, audio, lighting, CCU's, tapes, character generator and teleprompter. The nature of television studio production necessitates an understanding of all crew roles and the interdependence of each to the creative output. Each student will be assessed on all aspects of studio/control room roles and functions, and will be required to present a paper and a run-down script.

Courses: BS50, MJB231
Credit Points: 12  Contact Hours: 6 per week
Incompatible with: MJB131

■ MJB232 RADIO AND TELEVISION JOURNALISM I
The practical and theoretical aspects of news media are studied through the examination of interviewing techniques. Students learn broadcast style and usage and the evaluation of television news bulletins through seminars and workshops. Strong emphasis is placed on current affairs knowledge.

Courses: BS50, MJB232
Credit Points: 12  Contact Hours: 6 per week
Incompatible with: MJB132

■ MJB233 TELEVISION CULTURES
The aim of the course is to provide students with some ways to think about and begin to account for the processes by which people make sense of and take pleasure from their encounters with television. It allows students to understand better the nature of television as a form of communication. The subject draws on the insights pro-
vided by a range of media studies approaches: semiotics and structuralism, British cultural studies, narrative theory, reception theory, ideological analysis, feminist criticism, and psychoanalysis. It examines television production as 'texts', and analyses the factors determining their construction and their possible meanings for audiences.

**Course: MJ20**  
**Prerequisite:** MJB130 or equivalent  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** MJB133

**MJB239 JOURNALISM ETHICS AND ISSUES**  
The Australian Journalists' Association code of ethics is examined against the background of Australia's multicultural and pluralistic democracy; the evolution of the code, its philosophical underpinnings, how it compares to other national and international media codes and the general value of codes of ethics. Students will be placed in ethical dilemmas and asked to make decisions and justify their choices; the value of deathknocks, privacy, defining off-the-record, handling leads and women in the media.

**Courses:** BS50, MJ20, MJ23  
**Prerequisite:** MJB121  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** MJB139

**MJB250 LANGUAGE AND LITERATURE**  
This unit develops advanced critical and analytical skills in dealing with a variety of textual forms. Students acquire an understanding of various forms of literary or creative language forms. Students are introduced to literary theory as well as key language theory.

**Courses:** BS50, MJ20  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB144

**MJB260 COMMUNITY AND EDUCATIONAL VIDEO**  
New approaches to educational and community-focused video production using still and video cameras, editing equipment and computers; maximising outcomes using low-cost new wave technologies to produce magazine programs, oral histories, corporate promotional, educational and training videos and CD-ROMs.

**Course:** ED50  
**Prerequisite:** MJB100 or MJB126 or MJB155  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB144

**MJB303 NEWS PRODUCTION**  
Media industries and media firms: social responsibilities; managing deadlines; planning and decision-making in the newsroom; leadership and motivation; news practice; radio, television, newspapers; case studies.

**Courses:** BS50, MJ20  
**Prerequisites:** MJB322, MJB338 (none for MBA students)  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** MJB103

**MJB305 AMERICAN FILM AND SOCIETY**  
This unit is a contextual study of American films across 50 years. It allows students to explore how films form part of and contribute to the ideologies current during the period of their production. The subject examines the refraction of the Great Depression and Roosevelt's New Deal in 1930s genre films; the post-war reconstruction and the reaffirmation of the family in 1940s films; the anti-communist hysteria and conservatism of the 1950s; the relation of 1960s films to various radical movements of the period; and the treatment of a range of social issues in 1970s and 1980s and 1990s films.

**Courses:** ED50, MJ20  
**Prerequisite:** 96 credit points of undergraduate study  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** MJB105

**MJB307 FEMINIST MEDIA STUDIES**  
This subject is designed to examine critically the issue of gender, sexuality and the media within cultures. A range of media texts will be investigated. Cultural discourses such as masculinity, femininity, romance, the body, sexuality and violence will be discussed. Issues such as cross-culturalism, new technologies, spatial politics, celebrities and political correctness will also be addressed from a feminist media studies perspective.

**Courses:** ED50, MJ20  
**Prerequisite:** 96 credit points of undergraduate study  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** MJB107

**MJB310 ASIAN AND LATIN AMERICAN CINEMA**  
This subject provides an introduction to the study of the national cinemas of China and Cuba. China here will be taken to include reference to the cinemas of Hong Kong and Taiwan. The films will be placed within their political, cultural and historical contexts. Thus Chinese cinema will be studied from the perspective of the new cinema which emerged from the film makers Chen Kaige, Wu Tianmining, Zhang Yimou and Tian Zhaohuangxuan, and Cuban cinema will be dealt with in the context of the Cuban revolution.

**Courses:** ED50, MJ20  
**Prerequisite:** 96 credit points of undergraduate study  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** MJB110

**MJB314 FILM AND TELEVISION BUSINESS**  
The role of the producer and executive producer in the packaging and financing of film and television production including corporate, training and documentary, grant films, features telemovies and mini-series; matching television network programming needs and achieving balance in above-the-line, below-the-line and marketing costs. Sources of finance: Film Queensland, networks, corporate sponsors, corporate clients, investors, pre-sales, government grants, Film Finance Corporation; methods of obtaining finance, insurance, completion guarantees, legal and accounting requirements; social and ethical issues.

**Courses:** MJ20, MJ23  
**Prerequisites:** MJB213 or two years in a degree program  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** MJB111

**MJB322 SUB-EDITING AND LAYOUT**  
Introduction to the basic copy editing and design principles for newspapers. These skills are incorporated with the latest desktop publishing technology with specific reference to newspapers. Students use wire stories from Australian Associated Press, Reuters, Associated Press and Agence France Presse in news and feature page design exercises.

**Courses:** BS50, MJ20, MJ23  
**Prerequisite:** MJB224 or MJB100  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** MJB122

**MJB334 VIDEO DOCUMENTARY PRODUCTION**  
An orientation to the history and development of documentary and associated theoretical perspectives. Workshop sessions build on previously acquired skills in the areas of programme concept, script development, approaches to production, camera, sound and editing technique. Exercises include shooting and editing several short magazine style pieces to a tight deadline and the production of a significant short documentary or corporate video.
Courses: BS50, MJ20
Prerequisites: (MJB155 and MJB111) or (MJB126 and MJ100 or MJ129)
Credit Points: 12  Contact Hours: 6 per week
Incompatible with: MJB134; Not available to cross-institutional students

MJB335 PROFESSIONAL MEDIA PRACTICE
An opportunity to observe, and gain insight into, the applications of theory to practice. The student is placed with an approved employer. The lecturer in charge of the unit obtains reports from the student at regular intervals. The student is required to contract the completion of a progressive assessment program. The student’s result is determined on the basis of reports, continuous assessment and the employer’s report. Film and Television Production students may seek approval from the Unit Coordinator for specific production activity to be counted as partial credit towards this unit.

Course: MJ20
Prerequisites: One of: MJB122, MJB138, MJB322 or MJB338 for BA (JNL) majors and one of: MJB113, MJB134, MJB213 or MJB334 for BA (FTV) majors
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MJB135; Not available to cross-institutional students

MJB336 NEW MEDIA TECHNOLOGIES
The implications of new media technologies, and associated industrial and cultural changes, are an increasingly central issue for those involved both in media studies and media production. This course will examine the relationship between new technologies and media production in their social and cultural context, evaluating the impact of developments such as digitisation and convergence on work, leisure, print media and other areas of cultural production. It will also address emerging policy issues such as privacy, information access, cultural diversity and the relationship between personal freedom and social regulation on media such as the Internet. Through such an examination, this course will consider the insights that media theory can provide to an understanding of the new technologies and contemporary society.

Courses: ED50, MJ20
Prerequisite: 144 credit points of undergraduate study
Credit Points: 12  Contact Hours: 3 per week

MJB337 PUBLIC AFFAIRS REPORTING
This is an advanced reporting unit stressing the watchdog role of the press and utilising investigative techniques, including computer-assisted reporting, Internet and other online searching. Students undertake in-depth practical assignments for possible publication.

Courses: BS50, MJ20
Prerequisite: MJB124 or MJB224
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MJB137

MJB338 RADIO AND TELEVISION JOURNALISM II
Philosophy and formulation of radio and television current affairs, anchor techniques, radio and television news production using computers.

Courses: BS50, MJ20
Prerequisite: MJB132 or MJB232
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MJB138

MJB343 AUSTRALIAN FILM
A study of New Wave Australian films within their cultural and institutional contexts; issues facing the filmmaking industry today; the filmic construction and circulation of cultural discourses such as national identity, nationalism, gender, ethnicity and class; the Australian landscape in film; experimental and avant garde films; indigenous films; new technological and global challenges.

Courses: ED50, MJ20
Prerequisite: 96 credit points of undergraduate study
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MJB143

MJB344 EUROPEAN CINEMA
The post World War II cinema of two European countries related to their social and historical context. The content coverage of Italian and French cinema is shown as an example. The Italian section will examine neorealism, the influence of Marxism on filmmakers such as Visconti, Pasolini and Bertolucci, and the films of Fellini, Antonioni and the Taviani brothers. The French section will explore the style and context of the New Wave, the work of independent filmmakers, and the work of contemporary directors such as Varda, Pialat, Blier and Deville.

Courses: ED50, MJ20
Prerequisite: 96 credit points of undergraduate study
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MJB144

MJB346 AUSTRALIAN DOCUMENTARY: FILM AND TELEVISION
This unit deals with the growth and development of the documentary film in Australia. The unit examines the role of government and non-governmental institutions in the sponsoring of Australian documentaries. The unit also studies the work of leading film makers such as John Pilger, Tom Zubricki, David Bradbury and others.

Courses: ED50, MJ20
Prerequisite: 96 credit points of undergraduate study
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: MJB146

MJB350 CREATIVE WRITING AND PUBLISHING
This subject is an advanced elective for students working towards a vocation involving professional writing, especially writing involving creativity. The subject has a particular focus on narrative writing, but students may work in other genres as well. It offers advanced techniques in professional writing and editing, including publishing and marketing, and is suitable for practitioners in literature, journalism, film & television, media studies, communication and education.

Credit Points: 12  Contact Hours: 3 per week
Incompatible with: COB147

MJB352 ADVANCED FILM AND TELEVISION STUDIES
Advanced Film and Television Studies is a capstone elective unit designed to enable students to optimise their practical skills. It is available only to Advanced Film and Television Production majors. It is a 24 credit point contract learning unit across two semesters, and involves individual study and a major production. Students who wish to take this practical skilling path must, during Semester 4, choose a specialisation for their Advanced Film and Television Studies and submit a work proposal including a role on a major production. A written invitation to undertake Advanced Film and Television Studies must be received prior to enrolling in the unit.

Course: MJ20
Prerequisite: MJB213  Corequisite: MJB314
Credit Points: 24  Contact Hours: 6 per week for two semesters
Incompatible with: MJB115; Available to Film and Television Production majors only
MJP100 ADVANCED MEDIA THEORY
As a preliminary to undertaking research in media studies, students study contemporary media theory in detail, extending their overview of communication and media theory. Topics include: contemporary political economy of the media; feminist cultural theory; textual and audience studies in media and cultural studies; post-modernism; and cross-cultural communication. These studies will find preliminary application in some relevant research areas.
Prerequisite: MJ101 or equivalent
Credit Points: 12 Contact Hours: 3 per week

MJP101 ADVANCED MEDIA ANALYSIS
The theoretical strategies discussed in MJ100 are here given practical application in regard to textual practice. The more important theories of textual analysis - semiotics, structuralism, psychoanalysis, Marxism and feminism - are applied to a range of texts drawn from print media, including newspapers and magazines; film; television; and popular fiction.
Prerequisite: MJ101 Corequisite: MJ100
Credit Points: 12 Contact Hours: 3 per week

MJP102 MEDIA POLICY ENVIRONMENT (FORMERLY COMMUNICATION POLICY ENVIRONMENT)
The public policy environment associated with media practice and processes: current issues; the participating and critical views. A study of the public process in selected countries with special emphasis on Australian media policy. Social, legal, political and technical environments: current and major issues, and the differing approaches to media policy studies.
Courses: AT22, MJ21, MJ23
Credit Points: 12 Contact Hours: 3 per week

MJP103 CREATIVE WRITING THEORY
This unit examines the major theories underlying and informing the practice of writing creative texts, including narrative prose and film script. Such theory enhances critical awareness and knowledge of writing strategies relevant to the production of a text.
Courses: AT22, MJ23
Credit Points: 12 Contact Hours: 3 per week

MJP105 THEORIES OF JOURNALISM
The body of 'classical' literature pertaining to the theories of journalism and mass communication; identification of individual research interests; the empirical traditions of mass communication theory.
Courses: AT22, MJ21, MJ23
Credit Points: 12 Contact Hours: 3 per week

MJP106 DISSERTATION
The culmination of the Honours degree in Film and Television Production, Journalism or Media Studies in that students apply the theory and research material covered in earlier units to explore in some depth an applied or theoretical topic in their chosen discipline area. The dissertation is normally based on information from secondary sources and consists of a written report of approximately 12,000 - 15,000 words. It is also possible to undertake a creative work such as a film or multimedia script or production.
Course: MJ21
Prerequisites: Normally MJ101, MJ102, MJ105
Credit Points: 48 Contact Hours: 1 per week

MJP107 DISSERTATION (1-3)
The culmination of the part-time Honours degree in Film and Television Production, Journalism or Media Studies in that students apply the theory and research material covered in earlier units to explore in some depth an applied or theoretical topic in their chosen discipline area. The dissertation is normally based on information from secondary sources and consists of a written report of approximately 12,000 - 15,000 words. It is also possible to undertake a creative work such as a film or multimedia script or production. Students enrol in two sequential 12 credit point units (MJP107/1, MJP107/2) followed by one 24 credit point unit (MJP107/3) until they have completed 48 credit points. Normally, MJP107/1 will involve students beginning to apply the theory and research material covered in earlier units, to a chosen dissertation topic, in consultation with an approved supervisor. MJP107/2 will involve students consolidating the preparatory work begun in MJP107/1 by preparing drafts of two chapters under structured supervision. MJP107/3 completes the sequence of dissertation units. Students complete the drafting of their dissertation and revise to a final copy for submission under supervision. Length will be 12,000 - 15,000 words or an equivalent in other media forms.
Courses: MJ21
Prequisites: Normally two of MJP101, MJP102, MJP105
Credit Points: 48 Contact Hours: 1 per week

NSB113 VALUES, CULTURE AND NURSING
This unit will enable students to gain an understanding of the complex interrelationships between philosophical principles, culture, nursing and health-related behaviours. It will draw upon contemporary nursing practice to facilitate the provision of culturally sensitive and relevant care in a culturally diverse world.
Course: NS40, NS48
Credit Points: 12 Contact Hours: 3 per week

NSB116 NURSING 1
An introduction to the key concepts underpinning nursing as a profession. Topics include: historical, social and political factors which have shaped the development of nursing practice; contemporary roles of the nurse; theoretical perspectives of nursing; nursing and health promotion.
Course: NS40
Credit Points: 12 Contact Hours: 3 per week

NSB121 NURSING 2
Further development of the key concepts underpinning nursing as a profession. Topics include: the concept of client within the nurse-client relationship; theoretical perspectives of the helping relationship as applied to nursing; judgment and decision making processes within the context of nursing practice; collaboration within the health care team and governance in nursing.
Course: NS40 Prequisite: NSB116
Credit Points: 12 Contact Hours: 3 per week

NSB122 CLINICAL PRACTICE 1
The development and application of skills which are fundamental to nursing practice: communication skills, health assessment skills, care planning skills, skills which support client comfort and safety. Students will engage in a variety of on-campus activities which include laboratory practice sessions. In addition, an off-campus clinical practicum will be undertaken in a health care setting.
Course: NS40 Corequisite: NSB121
Credit Points: 12

NSB122 CLINICAL PRACTICE 2
Further development and application of the theoretical and practical knowledge and skills necessary in the provision of safe, effective nursing care in a variety of settings. Students will practice the application of problem-solving and technical skills in both University (on-campus) and clinical (off-campus) settings. The off-campus clinical practicum will be undertaken in a variety of health care settings which include hospitals, palliative care facilities and psychiatric-mental health facilities.
Course: NS40 Prequisite: NSB122 NSB121
Credit Points: 12 Corequisite: NSB222

NSB223 MENTAL HEALTH NURSING
This unit will enable students to gain an understanding of the important issues and principles associated with the promotion of mental health and prevention of mental illness in the community. Topics to be addressed include various perspectives of mental health and illness; factors underlying the development of mental illness; intervention strategies in the promotion/maintenance of optimal mental health; mental health policies.
Course: NS40, NS48 Prequisite: SS101
Credit Points: 12 Contact Hours: 3 per week

NSB224 RESEARCH APPROACHES IN NURSING
An understanding of the various approaches to research is central to contemporary nursing practice and the scholarly advancement of nursing knowledge. Topics addressed in this unit include the significance of research in nursing; methodologies used to research nursing practice; and appraisal of research reports.
Course: NS40
Credit Points: 12 Contact Hours: 3 per week

NSB301 NURSING & BIOPHYSICAL HEALTH 1
Effects of selected pathophysiologic processes on meeting human needs. Topics include: assessment and nursing diagnosis of gas exchange, circulation, hydration, physical comfort and safety problems; and independent and collaborative strategies designed to promote, maintain and/or restore health.
Course: NS40 Prequisite: NSB151, NSB152
Credit Points: 8 Contact Hours: 3 per week

NSB302 NURSING & MENTAL HEALTH 1
Theories, concepts and models which provide the basis for understanding individuals and their mental health needs; provides a framework for nursing care which acknowledges the importance of promoting, maintaining and restoring mental health. Addresses contemporary concepts of mental health and mental illness; biological and socio-cultural factors which can influence mental health and mental health problems; mental health assessment; and strategies for mental health promotion.
Course: NS40 Prequisite: NSB151, NSB152
Credit Points: 8 Contact Hours: 3 per week

NSB308 NURSING & MENTAL DISORDER
Mental disorder is common and extensive across Australia, and affects all age and social groupings. This unit provides a framework for addressing the important issues and principles associated with the understanding of the interrelatedness of individual, family, community and environment in the development, maintenance and resolution of mental disorders. Topics include the psychodynamics of normal and abnormal behaviour, diagnosis and presentation of common mental disorders, psychobiology, psychopharmacology, nursing intervention and research in the aetiology and treatment of men-
clinical practice and theoretical knowledge. Students will be assisted to further develop skills in reflective practice and peer consultation as strategies to support a more critical approach to clinical practice. A variety of topics will be addressed through a combination of self-directed learning activities and small group discussion sessions.

**NSB321 PROFESSIONAL PRACTICE DEVELOPMENT**

This unit is designed to make explicit the link between clinical practice and theoretical knowledge. Students will be assisted to further develop skills in reflective practice and peer consultation as strategies to support a more critical approach to clinical practice. A variety of topics will be addressed through a combination of self-directed learning activities and small group discussion sessions.

**NSB323 CLINICAL PRACTICE 5**

This final clinical unit is designed to enable students to consolidate the knowledge and skills essential in the provision of safe, effective client care. Emphasis will be placed on students' proficiency to think critically, reflect upon their practice and use a problem-solving approach to the provision and management of safe nursing care in preparation for a successful transition to beginning level practice as a registered nurse.

**NSB401 NURSING & BIOPHYSICAL HEALTH 2**

Further develops an appreciation of the effects of selected pathophysiological processes on the meeting of human needs. Topics addressed include the assessment and nursing diagnosis of elimination, mobility, nutrition, skin integrity and sleep/wake problems along with independent and collaborative strategies designed to promote, maintain and/or restore health.

**NSB402 NURSING & MENTAL HEALTH 2**

Expansion of the application of nursing knowledge and research about mental health to the provision of nursing care to clients with mental health problems. It provides, at an advanced level, a theoretical foundation for mental health nursing practice with a focus on diagnostic reasoning and intervention strategies to promote mental health and wellbeing. Topics include: theories of stress and adaptation; assessment, diagnosis and intervention in situations of developmental disorder, selected organic and non-organic mental syndromes and crisis intervention.

**NSB406 NURSING & THE FAMILY**

Family nursing practice recognises the substantial impact families can have on the health of individuals within the family unit, and upon society as a whole. An introduction to the knowledge base which underpins family nursing practice, facilitating the development of decision-making skills in this area. Topics include: nature of the family unit; family development; models of the family; and families with particular situational or developmental needs.

**NSB407 NURSING & THE COMMUNITY**

Community health is an important focus for nursing practice; provides an introduction to fundamentals of community nursing practice and facilitates development of decision-making skills in this area. Topics include: models of community; community development; perspective of community health; application of epidemiological principles to community health; community groups with particular health needs; strategies for promotion of community health.

**NSB413 ADVANCED RESEARCH IN APPROACHES TO NURSING**

This unit will provide students with the opportunity to further develop their capacity for research and scholarship in preparation for future studies in the Bachelor of Nursing (Honours) course. Topics to be addressed include: statistical analysis – descriptive statistics, sampling, estimation and inferential statistics; research process – generation of researchable questions, literature review, theoretical frameworks in research, research methodology, ethical considerations and conducting research in the field.

**NSB560 CLINICAL PRACTICE 5A/BH**

Provides the opportunity for students to develop a range of clinical skills associated with the Health strand which was not chosen for study during the second year of the program. Students practise the application of problem-solving skills; selected technical skills; organising, health education, client advocacy skills in both the University (on-campus) and clinical (off-campus) laboratories. The clinical laboratory experiences in this unit are undertaken in settings which include hospitals and palliative care facilities or psychiatric-mental health facilities.

**NSB561 CLINICAL PRACTICE 5B/BI**

Provides the opportunity for students to develop a range of clinical skills associated with the Health strand which was not chosen for study during the second year of the program. Students practise the application of problem-solving skills; selected technical skills; organising, health education, client advocacy skills in both the University (on-campus) and clinical (off-campus) laboratories. The clinical laboratory experiences in this unit are undertaken in settings which include hospitals and palliative care facilities or psychiatric-mental health facilities.

**NSB570 CLINICAL PRACTICE 5A/MH**

Provides the opportunity for students to develop a range of clinical skills associated with the Health strand which was not chosen for study during the second year of the program. Students practise the application of problem-solving skills; selected technical skills; organising, health education, client advocacy skills in both the University (on-campus) and clinical (off-campus) laboratories. The
This unit is the first of three step-locked dissertation units in the Master of Nursing. Students will explore content related to the historical and current development of nursing knowledge. Contemporary nursing practice is examined in relation to the development of nursing as a discipline in order to assist each student to reflect upon their conceptions of nursing as a field of study and practice. Students will be provided with the opportunity to consolidate skills which they have acquired in previous units, particularly NSB560/NSB570. It aims at the achievement of an increasing level of competence in clinical situations. The learning experiences are conducted in clinical (off-campus) laboratories, and the settings are as described for the preceding clinical practice units.

Course: NSN410
Credit Points: 8
Contact Hours: To be advised by Course Coordinator

- NSN501 ADVANCED CLINICAL STRATEGIES

This unit is designed to provide registered nurses with advanced skills in the area of clinical problem solving across a variety of advanced contexts. Students undertake the unit in the initial stages of their specialisation course, and the knowledge and skills which they develop are extended and applied through the specialty units.

Courses: NSN501, NSN502, NSN506
Credit Points: 12
Contact Hours: 3 per week

- NSN502 NURSING KNOWLEDGE

Students will explore content related to the historical and current development of nursing knowledge. Contemporary nursing practice is examined in relation to the development of nursing as a discipline in order to assist each student to reflect upon their conceptions of nursing as a field of study and practice. Students will be provided with the opportunity to consolidate skills which they have acquired in previous units, particularly NSB560/NSB570. It aims at the achievement of an increasing level of competence in clinical situations. The learning experiences are conducted in clinical (off-campus) laboratories, and the settings are as described for the preceding clinical practice units.

Course: NSN410
Credit Points: 8
Contact Hours: To be advised by Course Coordinator

- NSN406 DISSERTATION

This study represents an independent piece of research completed with the guidance of a supervisor. The dissertation provides an opportunity for coursework conducted in the area of specialisation to be applied in a practical manner reflecting the student's specific interest in nursing. The third section of the three step-locked dissertation units in the Master of Nursing.

Course: NSN406
Credit Points: 8
Contact Hours: To be advised by Course Coordinator

- NSN508 ADVANCED READINGS IN NURSING

Provides the opportunity for students to access and review a body of literature relevant to an area of individual interest in nursing. This will enable students to extend their knowledge and understanding of a topic which is not specifically addressed elsewhere in the course. In addition, students undertaking this unit will have the opportunity to develop advanced skills in information retrieval, critical analysis and writing for publication.

Courses: NSN508
Credit Points: 12
Contact Hours: Negotiated with Course Coordinator

- NSN509 SPECIAL TOPIC

Provides the opportunity for students to engage in a group learning process to explore, in depth, an area of professional relevance which may be available from local or visiting scholars with particular expertise or knowledge of specific areas. It enables students to capitalise upon important learning opportunities which might not otherwise be possible.

Courses: NSN509
Credit Points: 12
Contact Hours: Negotiated with Course Coordinator

- NSN510 CLINICAL ELECTIVE 2

This unit provides the opportunity for students to expand the professional knowledge and skills which have been acquired during Clinical Elective 1. Students will be provided with the opportunity to acquire theoretical, conceptual and practical knowledge in a variety of advanced topics specific to developing knowledge and theory in specialised areas of nursing practice. The content in this unit will be individually negotiated to provide students with further opportunity to explore the clinical and theoretical concepts introduced in previous units. Content may include advanced knowledge, skills, and attitudes in cardiology, emergency, neuroscience, neonatal, recovery room, or other speciality nursing areas.

Courses: NSN510
Credit Points: 12
Contact Hours: To be advised by Course Coordinator

- NSN511 CLINICAL ELECTIVE 1

The purpose of this unit is to explore the theoretical and practical knowledge and skills required to provide effective nursing care to patients with highly specialised nursing management problems. Students will have the opportunity to develop theory and clinical problem-solving skills intrinsic to the nursing care of a specific range of patients within a defined subspeciality nursing area. Content will be individually negotiated in order to meet the needs of nurses, in particular nursing specialty areas. Content may include clinical and theoretical concepts in cardiology, emergency, neuroscience, neonatal, recovery room, or other speciality nursing areas.

Courses: NSN511
Credit Points: 12
Contact Hours: To be advised by Course Coordinator

- NSN507 CONTEMPORARY ISSUES IN NURSING

This unit is designed to provide registered nurses with advanced skills in the area of specialisation to be applied in a practical manner reflecting the student's specific interest in nursing. The third section of the three step-locked dissertation units in the Master of Nursing.

Course: NSN507
Credit Points: 8
Contact Hours: Negotiated with Course Coordinator
NSN521 CLINICAL SPECIALISATION 1
Provides an introduction to the theory, process and practice of nursing in a designated specialty area. Although a range of knowledge and skills are addressed, an emphasis is placed upon health promotion within the context of a specialty area of health care.
Courses: NSN64, NSN85
Credit Points: 12  Contact Hours: 3 per week

NSN522 CLINICAL SPECIALISATION 2
Develops students’ understanding of the theory, process and practice of nursing in a designated specialty area of nursing. Although a health promotion framework is reinforced, the emphasis in this unit is placed on the development of strategies to assist clients who are experiencing particular health dysfunctions.
Courses: NSN64, NSN85
Credit Points: 12  Contact Hours: 3 per week

NSN523 CLINICAL SPECIALISATION 3
Provides the opportunity for students to further develop and consolidate professional knowledge and skills which have been acquired during the previous clinical units. Students are facilitated to incorporate theoretical, conceptual and practical knowledge into the assessment, planning, implementation and evaluation of the are required by clients. Block practice.
Courses: NSN64, NSN85
Credit Points: 12  Contact Hours: 3 per week

NSN581 CLINICAL STUDIES 1
An exploration of nursing practice in specialty areas of health care at a level which is not possible within the ambit of introductory studies. It enables students to address current trends, changing perspective of practice and issues of national and international significance. The broad perspective which is utilised in this unit equips students to select a specific area(s) of practice to be examined in more detail in NSN582 and NSN583.
Courses: NSN64, NSN85
Credit Points: 12  Contact Hours: 3 per week

NSN582 CLINICAL STUDIES 2
Provides students with the opportunity to build upon their learning in NSN581 by choosing an area of specialised nursing practice which they would like to explore and examine in greater detail. This allows students to deepen their appreciation of the clinical issues which relate to their practice in a particular specialty area of nursing.
Courses: NSN64, NSN85
Credit Points: 12  Contact Hours: 3 per week

NSN583 CLINICAL STUDIES 3
Designed to complement NSN581 and NSN582. Enables the student to examine, from a clinical perspective, an area of specialised nursing practice. This approach not only develops students’ awareness of the theoretical aspects of nursing issues, but highlights the clinical implications as well. Provides the opportunity for students to further develop clinical skills which complement their theoretical knowledge of the selected area.
Courses: NSN64, NSN85
Credit Points: 12  Contact Hours: Negotiated with Course Coordinator

OPB210 OPTOMETRY 2
Development of optometry and optometric education; legal standing and scope of service; role of health care services; professionalism and ethical behaviour; professional bodies and relationships with other professions; future of optometry.
Course: OP42
Credit Points: 4  Contact Hours: 2 per week

OPB233 OPTHALMIC OPTICS 2
Optical concepts, refraction and notation; neutralisation, transportation, prismatic effects, multifocals; frame and lens materials, quality, dimensions; vertometers, order-
The theory and practice of clinical procedures which are used in eye examinations.

Course: OP42
Prerequisites: OPB412, OPB401, OPB405, OPB415
Corequisites: OPB505, OPB520, OPB527
Credit Points: 18
Contact Hours: 9 per week

OPB520 PHARMACOLOGY
General pharmacokinetic and pharmacodynamic principles. Mechanisms of action and therapeutic applications of drugs used in the treatment of central and peripheral systemic diseases.

Course: OP42
Prerequisites: OPB401, OPB415, OPB442, LSB370
Corequisites: OPB505, OPB509, OPB527
Credit Points: 6
Contact Hours: 2 per week

OPB527 DISEASES OF THE EYE
The detection, diagnosis, referral and management of ocular disease. General pathological considerations. The anatomical, physiological and pathological aspects of glaucoma. Its symptomatology, methods of detection and diagnosis, management and prognosis. Inflammatory diseases, trauma and tumours of the external and internal ocular structures and ocular adnexae.

Course: OP42
Prerequisites: OPB327, OPB509, OPB305, OPB520
Corequisites: OPB605, OPB608, OPB609, OPB617
Credit Points: 8
Contact Hours: 4 per week

OPB705 CLINICAL OPTOMETRY
This is the clinical application of the procedures studied in OPB609 and OPB709 and includes the management of patients in the clinical situation.

Course: OP42
Prerequisites: OPB605, OPB609
Corequisites: OPB709, OPB717, OPB750
Credit Points: 24
Contact Hours: 13 per week

OPB717 CONTACT LENS STUDIES
A series of lectures and practical sessions in advanced aspects of contact lens practice. Topics include the physiological consequences of contact lens wear; management of contact lens patients; fitting of lenses for keratoconus, extended wear and presbyopia. Practical sessions provide training in advanced diagnostic and fitting techniques.

Course: OP42
Prerequisites: OPB605, OPB609
Corequisites: OPB705, OPB717, OPB750
Credit Points: 10
Contact Hours: 5 per week

OPB750 PROJECT
Students are required to undertake project work in Year 4, Semesters 1 and 2, working in groups of up to three on projects of their own choosing or on a topic chosen from a suggested list. Topics must be original. Students conduct a literature search (including a computer-based search in conjunction with a reference librarian), decide on the experimental hypotheses, plan and execute the experiment, analyse the results and write a report in manuscript form which it is hoped is suitable for publication in the open literature. Oral presentations are given by each group to their peers, third-year students and staff, as part of a formal Year 4, Semester 2 colloquium.

Course: OP42
Corequisites: OPB709, MAB258, OPB705, OPB717
Credit Points: 10
Contact Hours: 2 per week

OPB803 OCCUPATIONAL/PUBLIC HEALTH OPTOMETRY
A course of study to introduce the basic concepts of eye safety and visual ergonomics. Content includes eye safety programs, occupational vision screening, legal aspects of eye safety, eye hazards: traumatic, radiation and chemical, eye protection, visual ergonomics and illumination engineering.

Course: OP42
Prerequisite: OPB709
Corequisites: OPB805, OPB750, OPB870
Credit Points: 6
Contact Hours: 2 per week

OPB805 CLINICAL OPTOMETRY
A continuation of OPB705. This unit places emphasis on the students' decision-making skills in the evalu-
tion, care and treatment of patients who may have a wide range of visual disorders.

Course: OP42
Prerequisites: OPB705, OPB717, OPB709
Corequisites: OPB750, OPB803, OPB810
Credit Points: 32  Contact Hours: 17 per week

■ OPB810 PRACTICE MANAGEMENT
Optometry's role in health care; professional and ethical behaviour; relevant state and federal Acts; professional associations; types of practice; optometric practice and the law.

Course: OP42
Credit Points: 12  Contact Hours: 3 per week

■ OPN601 ADVANCED CONTACT LENS STUDIES
Instruction in specialised fitting techniques, including keratoconus, scleral lenses and prosthetics. There is also an emphasis on the design, manufacture and modification of lenses. The physiology and pathology associated with contact lens wear is also covered in detail.

Course: HL88
Credit Points: 12  Contact Hours: 3 per week

■ OPN602 ADVANCED CLINICAL METHODS
Exploration of the techniques for the examination of the eye and visual function. Topics include: visual fields; static automated perimetry; screening versus threshold methods and their interpretation; modelling and trend analysis of visual field data; the visual field in glaucoma; contrast sensitivity function; alternative tests and their interpretation; clinical applications of contrast sensitivity function testing; colour vision; current research in congenital and acquired disorders; clinical tests, their application and interpretation; the design of colour vision screening procedures; entoptic phenomena and their application as diagnostic tools; advanced slit lamp biomicroscopy, gonioscopy, photography and fundus examination; other advanced methods of examination such as ultrasonography, dark adaptation, motion sensitivity, eye movement studies and electrophysiology.

Course: HL88
Credit Points: 12  Contact Hours: 3 per week

■ OPN603 ADVANCED OCULAR PHARMACOLOGY
Exploration of the use of drugs for the treatment of eye diseases. The unit does not seek to qualify optometrists to use these drugs, nor to impart the clinical skills or procedures necessary for such a scope of practice; instead, it will supply the background knowledge and understanding of current theoretical and practical research concepts in therapeutics so essential to complement this evolution in health care. Topics include: the anatomy, physiology and pathology of tissue changes in relevant eye diseases; neurohumoral transmission current concepts in receptor dynamics; the actions of systemic drugs; including antihypertensive, antikarthritis, asthma, antidepressant and antianxiety drugs; the actions and uses of drugs for the treatment of eye disease such as infections, inflammation, allergy and glaucoma; current research into treatment strategies for eye disease; optometry and therapeutic care.

Course: HL88
Credit Points: 12  Contact Hours: 3 per week

■ OPN605 VISION REHABILITATION
The epidemiology of visual impairment; the impact of visual impairment on individuals and families; the range of rehabilitation services available; assessment methods; preparation of individual rehabilitation programs for children and adults who are visually impaired.

Course: HL88
Credit Points: 12  Contact Hours: 3 per week

■ PHA154 INTRODUCTORY PHYSICS
An introduction to the basic concepts involved in the study of linear mechanics, ideal gases, liquids and solids, elasticity, surface tension, temperature and its measurements, heat content, heat transfer, reflection and refraction of light at plane surfaces, use of lenses in simple optical instruments, current, electricity, e.m.f. resistance, circuit analysis, heating effects, electrical measurements using moving coil galvanometers, potentiometers and Wheatstone bridge, magnetic field with simple applications. A series of laboratory experiments emphasises the above concepts.

Course: SC13
Credit Points: 8  Contact Hours: 3 per week

■ PHB101 PHYSICS 1B
A course of lectures and laboratory work on AC and DC circuit theory, electronics, vibrations and waves, sound, geometrical optics.

Course: PHB11
Credit Points: 8  Contact Hours: 3 per week

■ PHB122 PHYSICS 2B
A course of lectures and laboratory work on data analysis, kinematics and mechanics, DC and AC circuit theory, electronics, vibrations and waves, sound, geometrical optics and physical optics.

Courses: CH32, ED50, OP42, SC30
Credit Points: 8  Contact Hours: 3 per week

■ PHB134 ENGINEERING PHYSICS 1B
A basic unit in the physics of waves and optics: moving and stationary waves in various media, interference of waves, beat acoustics and shock waves and measurement of sound; geometrical and physical optics including reflection, refraction, dispersion, interference and diffraction, polarisation, optical instruments, design and resolution, and photometry.

Courses: CE42, EE43, EE44, IF23, IF54, IF56, CE23, ME23, ME45, ME46
Credit Points: 8  Contact Hours: 3 per week

■ PHB144 APPLIED SCIENCE FOR DESIGNERS 1
Physics for environmental design: light and colour, heat and energy transfer, solar energy physics, sound and acoustics, electricity, magnetism and electronics for the built environment.

Courses: BN30, PU49
Credit Points: 8  Contact Hours: 3 per week

■ PHB150 PHYSICS 1H
Basic physical measurements, mechanics, heat, waves, acoustics, ultrasonics and optics, and the instrumentation used to measure biological parameters.

Courses: LS36, PU42, PU44, PU45, SC30
Credit Points: 12  Contact Hours: 6 per week

■ PHB172 PHYSICS FOR SURVEYORS
Physics relating to modern surveying instrumentation; optics, physics of materials, physics of the atmosphere, electromagnetic and ultrasonic wave applications, topics in electronics.

Courses: IF54, IF55, PS47, PS48
Credit Points: 8  Contact Hours: 3 per week
• PHB178 PRINCIPLES OF MEDICAL RADIATIONS
  Principles of medical imaging and methods of detection, diagnosis and treatment of cancer.
  Course: PH38
  Credit Points: 12  Contact Hours: 6 per week

• PHB222 PHYSICS 2
  A course of lectures and laboratory work on mechanical properties of matter, fluids, electromagnetic fields, thermal physics, quantum and radiation physics.
  Courses: ED50, SC30
  Prerequisites: SA - Senior Physics
  Corequisites: PHB001 unless Senior Physics has been passed at SA or better.
  Credit Points: 12  Contact Hours: 5 per week

• PHB240 ENGINEERING PHYSICS 2B
  The principles of geometrical optics as they apply to rectilinear propagation, reflection and refraction for paraxial rays for monochromatic light for single surfaces, thin lenses, cylindrical, spherical, and toric lenses, lens systems in air, the eye and a selection of optical instruments; study of the optics of monochromatic and chromatic aberrations and of photometry and colour.
  Course: OP42  Prerequisite: PHB150
  Corequisite: OPB132
  Credit Points: 12  Contact Hours: 7 per week

• PHB252 KINESIOLOGY & BIOMECHANICS
  Principles, methods and interpretation of measurement of human movement, particularly associated with the lower limb; principles of lower limb function (standing, walking and running).
  Course: PU45
  Credit Points: 8  Contact Hours: 2 per week

• PHB262 PHYSICS 2L
  Extension of PHB150 including fluids, AC, DC circuit theory, with emphasis on electronics and instrumentation, fields, modern and nuclear physics.
  Course: PU45
  Credit Points: 8  Contact Hours: 4 per week

• PHB263 PHYSICS 2E
  Extension of PHB150 including fluids, AC, DC circuit theory, with emphasis on electronics and instrumentation, fields, modern and nuclear physics. Biomechanics.
  Course: ED50, PU42, PU44, SC30
  Credit Points: 12  Contact Hours: 6 per week

• PHB272 RADIATION PHYSICS 1
  Electrostatics, electromagnetism, the production of X-rays and their interaction with matter.
  Course: PH38
  Credit Points: 12  Contact Hours: 5 per week

• PHB275 PROCESSING TECHNOLOGY
  A study of the processes involved in the production of a visible image in radiography, including: latent image formation, processing, techniques and equipment relevant to radiography.
  Course: PH38
  Credit Points: 4  Contact Hours: 2 per week

• PHB276 GENERAL RADIOGRAPHY 1
  A program of lectures relating to radiography of the skeletal system.
  Course: PH38  Prerequisites: LSB141, PHB178
  Corequisites: LSB241, PHB278
  Credit Points: 12  Contact Hours: 6 per week

• PHB278 GENERAL RADIOGRAPHY PRACTICE 1
  A program of practical sessions relating to radiography of the skeletal system.
  Courses: PH38  Corequisite: PHB276
  Credit Points: 8  Contact Hours: 3 per week

• PHB286 TREATMENT PLANNING 1
  Introduction to the techniques of radiotherapy treatment planning.
  Course: PH38  Prerequisite: PHB170
  Credit Points: 12  Contact Hours: 6 per week

• PHB287 MEGAVOLTAGE THERAPY 1
  Introduction to the basic techniques of radiotherapy including beam direction and defining devices.
  Course: PH38  Prerequisite: PHB178
  Corequisite: LSB241
  Credit Points: 8  Contact Hours: 4 per week

• PHB313 RADIOGRAPHIC IMAGE INTERPRETATION
  Image formation in medical radiography, and the significance of diagnostic techniques and their image appearances in assessment of the lower extremity.
  Course: PU45
  Credit Points: 8  Contact Hours: 3 per week

• PHB322 PHYSICS 3A
  Laplace Transforms; SHM; damped harmonic motion; forced oscillations; coupled oscillations; wave transmission and reflection; wave systems; AC circuit analysis; power; network analysis; resonance; AC measurements.
  Courses: ED50, SC30
  Prerequisites: MAB222, PHB122, PHB222
  Corequisite: MAB432
  Credit Points: 12  Contact Hours: 5 per week

• PHB332 PHYSICS 3B
  Covers any two of the following: optics, electronics, materials, experimental method.
  Courses: ED50, SC30
  Prerequisites: PHB122, PHB222 and (MAB212 or MAB222)
  Credit Points: 12  Contact Hours: 5 per week

• PHB340 OPTICS 3
  The application of geometrical optics to selected aspects of optometry including lens form and thickness, contact lenses, spectacle lens design and spherical surfaces; the wave nature of light with emphasis on interference, interferometry, diffraction and polarisation; the specialised topic of optical processing, and lasers and the evaluation of optical systems.
  Course: OP42
  Prerequisites: PHB222, PHB240
  Credit Points: 12  Contact Hours: 7 per week

• PHB342 PHYSICS 3C
  See PHB332
  Courses: ED50, SC30
  Prerequisites: PHB122, PHB222 and (MAB212 or MAB222)
  Credit Points: 12  Contact Hours: 5 per week

• PHB373 NUCLEAR MEDICINE IMAGING 1
  The principles, equipment and applications of nuclear medicine imaging.
Courses: PHB374 RADIOGRAPHIC EQUIPMENT
Discussion of design considerations of X-ray generators and equipment for control of beam direction.
Course: PHB38
Credit Points: 4 Contact Hours: 2 per week

■ PHB376 GENERAL RADIOGRAPHIC PRACTICE 2
A program of practical sessions relating to topics introduced in PHB376.
Course: PHB38
Prerequisites: LSB241, PHB276, PHB278
Corequisites: PHB376
Credit Points: 8 Contact Hours: 5 per week

■ PHB379 CLINICAL RADIOGRAPHY
Clinical experiences in radiographic examinations introduced in PHB276 and PHB376. Experience is obtained in approved clinical departments.
Course: PHB38
Prerequisites: LSB241, PHB276, PHB278
Corequisites: PHB378
Credit Points: 8 Contact Hours: 5 per week

■ PHB382 RADIOTHERAPY PHYSICS 1
A study of the design, physical aspects and operating characteristics of megavoltage and telecobalt units.
Course: PHB38
Prerequisite: PHB272
Credit Points: 4 Contact Hours: 2 per week

■ PHB386 TREATMENT PLANNING 2
An extension of the study of treatment planning introduced in PHB286 to the planning of complex techniques of photon therapy and electron therapy.
Course: PHB38
Prerequisites: PHB286, PHB287, LSB241
Credit Points: 12 Contact Hours: 5 per week

■ PHB387 MEGAVOLTAGE THERAPY 2
The principles and applications of megavoltage therapy including techniques for specific sites.
Course: PHB38 Prerequisites: LSB241, PHB287
Credit Points: 12 Contact Hours: 5 per week

■ PHB389 CLINICAL RADIOTHERAPY 2
Practical exercises in megavoltage therapy related to topics introduced in PHB287 and PHB387. The programs are carried out in clinical departments.
Course: PHB38 Prerequisites: LSB241, PHB286, PHB287
Corequisite: PHB387
Credit Points: 8 Contact Hours: 4 per week

■ PHB404 SAFETY TECHNOLOGY 2
Vibration and noise, electrical hazards, sources and hazards of ionising and non-ionising radiation.
Course: PHB46 Contact Hours: 2 per week
Prerequisites: PHB263
Credit Points: 12 Contact Hours: 6 per week

■ PHB422 PHYSICS 4A
Any two of the following: thermodynamics and statistics, mechanics, radiation physics, astronomy and astrophysics, relativity and fluids, electronics, applied acoustics.
Courses: ED50, SC30
Prerequisites: PHB122, PHB222 and (MAB212 OR MAB222)
Credit Points: 12 Contact Hours: 5 per week

■ PHB432 PHYSICS 4B
See PHB422.
Courses: ED50, SC30
Prerequisites: PHB122, PHB222 and (MAB212 or MAB222)
Credit Points: 12 Contact Hours: 5 per week

■ PHB462 EXPERIMENTAL PHYSICS 4
Experimental method and design; electronics; preparation and presentation of reports; group project.
Course: SC30
Prerequisites: At least two level 2 Physics units including electronics module
Credit Points: 12 Contact Hours: 5 per week

■ PHB471 RADIATION PHYSICS 2
A study of the philosophy and protocol of radiation protection. The question of protection is treated in a manner which brings into perspective the details of protection dealt with in other units of the course.
Courses: PHB38, PHB90
Credit Points: 4 Contact Hours: 2 per week

■ PHB473 MEDICAL ULTRASOUND
The physical principles and application of ultrasound.
Courses: PHB38, PHB90
Prerequisite: MAB151
Credit Points: 8 Contact Hours: 3 per week

■ PHB474 RADIOGRAPHIC EQUIPMENT 2
A study of the equipment used in specialised radiography, including mobiles, tomographic units, skull tables and mammography units.
Course: PHB38
Credit Points: 4 Contact Hours: 2 per week

■ PHB475 MEDICAL RADIATION COMPUTING 1
An introduction to the capabilities of computer hardware and software, and image processing.
Courses: PHB38, PHB90
Prerequisite: MAB151
Credit Points: 8 Contact Hours: 3 per week

■ PHB476 SPECIAL PROCEDURES
Specialised techniques of radiography: the skull, obstetrics, gynaecology, CNS and pediatrics.
Course: PHB38
Prerequisites: PHB376, PHB378
Corequisite: PHB476
Credit Points: 8 Contact Hours: 4 per week

■ PHB479 CLINICAL RADIOGRAPHY 3
Clinical experience in approved departments in radiographic examinations discussed in PHB376.
Course: PHB38
Prerequisites: PHB379
Corequisite: PHB476
Credit Points: 8 Contact Hours: 4 per week

■ PHB485/1 PRINCIPLES OF TREATMENT 1
The principles underlying the choice of treatment of cancer in specific sites including consideration of associated treatment.
Course: PHB38
Prerequisites: PHB178, PHB389
Credit Points: 4 Contact Hours: 2 per week

■ PHB487 MEGAVOLTAGE THERAPY 3
An extension of the topic introduced in PHB387 to include the full range of treatment by megavoltage therapy for cancer in specific sites. Consideration includes techniques, planning, patient positioning, outlines and measurements.
Course: PHB38
Prerequisites: PHB387, PHB389
Corequisite: PHB585
Credit Points: 12 Contact Hours: 5 per week

■ PHB489 CLINICAL RADIOTHERAPY 3
Clinical experiences in approved departments in techniques of megavoltage therapy.
Course: PHB38
Prerequisites: PHB387, PHB389
Corequisite: PHB487
Credit Points: 8 Contact Hours: 4 per week
PHB500 ADVANCED IMAGING PRACTICE 1
The content of this unit includes topics from a number of areas and is designed to complement the particular background of persons undertaking the conversion program.
Course: PH90
Credit Points: 8
Contact Hours: 4 per week

PHB504 INSTRUMENTATION
Transducers: noise, guarding and shielding; signal conditioning; digital filters; intelligent instruments and standard busses.
Course: ME46
Credit Points: 8
Contact Hours: 3 per week

PHB512 PROJECT
Projects are undertaken in a wide range of topics normally submitted by staff. They are commonly related to School of Physics research activities in materials science, health and medical physics, environmental and aerosol physics, and instrumentation, and may involve an extension of existing knowledge and technique or an introductory investigation into a new procedure.
Courses: ED50, SC30
Credit Points: 12
Contact Hours: 5 per week

PHB522 APPLIED QUANTUM MECHANICS
Schrodinger equation, potential wells, hydrogen atom, angular momentum, perturbation theory, atomic and molecular spectra, Zeeman effects, line broadening phenomena, spectroscopy, lasers.
Course: SC30
Prerequisites: MAB432, MAB452, PHB322
Credit Points: 12
Contact Hours: 5 per week

PHB532 ELECTROMAGNETIC FIELD THEORY
Course: SC30
Prerequisites: PHB322, MAB452
Credit Points: 12
Contact Hours: 5 per week

PHB562 PHYSICAL METHODS OF ANALYSIS
X-ray diffraction: qualitative and quantitative analysis, texture and stress analysis. X-ray fluorescence. Electron microscopy; transmission electron microscopy, scanning electron microscopy, electron probe microanalysis. Theory, instrumentation and application of atomic emission and absorption spectroscopy, mass spectrometry and gas chromatography, infra-red and Raman spectroscopy, neutron activation analysis, nuclear magnetic resonance spectroscopy and surface analysis techniques (Auger electron spectroscopy, x-ray photoelectron spectroscopy, secondary ion mass spectrometry).
Courses: ED30, SC30
Prerequisite: PHB424 (Materials)
Credit Points: 12
Contact Hours: 5 per week

PHB570 ADVANCED RADIOGRAPHIC PRACTICE 1
The content of this unit includes topics from a number of areas and is designed to complement the particular background of persons undertaking the conversion program.
Course: PH90
Credit Points: 20

PHB571 QUALITY ASSURANCE/IMAGE EVALUATION
The principles and techniques used in the quality assurance of medical imaging apparatus and ancillary equipment.
Course: PH90
Credit Points: 8
Contact Hours: 4 per week

PHB572 IMAGE RECORDING & EVALUATION
Lectures and practical exercises on non-film image formation, evaluation. Information theory.
Course: PH38
Credit Points: 4
Contact Hours: 2 per week
Prerequisites: PHB386, LSB841
Corequisites: PHB487
Credit Points: 12 Contact Hours: 4 per week

 PHB587 ORTHOVOLTAGE & SUPERFICIAL THERAPY
The specialised techniques of orthovoltage and superficial radiotherapy.
Course: PH38
Prerequisites: PHB487, PHB489, PHB482
Credit Points: 10 Contact Hours: 4 per week

 PHB589 CLINICAL RADIOThERAPY 4
Clinical experience in the techniques of radiotherapy employing orthovoltage and superficial therapy.
Course: PH38 Prerequisites: PHB487, PHB489
Credit Points: 12 Contact Hours: 6 per week

 PHB600 ADVANCED IMAGING PRACTICE 2
See PHB500
Course: PH90
Credit Points: 12 Contact Hours: 4 per week

 PHB622 SOLID STATE PHYSICS
Crystal structures and bonding, reciprocal lattice, Brillouin zones; mechanical and thermal properties of solids; free electron and band theory; semiconductors; magnetic properties of solids; dielectric properties of materials; amorphous materials; superconductivity.
Course: SC30
Prerequisites: Second level Materials, PHB422, PHB522
Credit Points: 12 Contact Hours: 5 per week

 PHB632 NUCLEAR & PARTICLE PHYSICS
Nuclear reaction, nuclear model, particle physics, particle detectors and accelerators and applications.
Course: SC30 Prerequisites: PHB432, PHB522
Credit Points: 12 Contact Hours: 5 per week

 PHB642 APPLIED RADIATION & HEALTH PHYSICS
Lectures and laboratory work on the topics: properties of ionising and non-ionising radiation. Detection and measurement techniques. Radiobiological effects of ionising and non-ionising radiation and health physics. Medical and industrial applications of radiation. Environmental radiation and radioactivity.
Course: SC30 Prerequisite: PHB432
Credit Points: 12 Contact Hours: 5 per week

 PHB662 TOPICS IN PHYSICS
The content varies from year to year and is determined by current research advances and availability of staff. No more than four topics are included, so as to allow a reasonable cover of the material. Topics in recent years have been drawn from the following fields of interest: health and medical physics, optoelectronics, geophysics, environmental physics and materials science.
Courses: ED50, SC30
Prerequisites: At least 36 credit points in second level Physics units
Credit Points: 12 Contact Hours: 5 per week

 PHB670 ADVANCED RADIOGRAPHIC PRACTICE 2
See PHB570
Course: PH90 Credit Points: 20

 PHB671 RADIATION BIOLOGY
A study of the biological effects on ionising and non-ionising radiation.
Courses: PH38, PH90
Credit Points: 4 Contact Hours: 2 per week

 PHB672 PROJECT
A supervised project involving either application of existing theoretical practical knowledge or a literature survey of a selected relevant topic.
Courses: PH38, PH90 Credit Points: 12

 PHB673 PROJECT
A supervised project involving either application of existing theoretical practical knowledge or a literature survey of a selected relevant topic.
Courses: PH38, PH90 Credit Points: 12

 PHB676 ADVANCED RADIOGRAPHIC TECHNIQUE 2
An extension of topics in advanced radiographic technique introduced in PHB576 to include mammography, techniques for examination of the lymphatic system, and emerging techniques.
Course: PH38 Prerequisites: PHB576, PHB579
Credit Points: 8 Contact Hours: 3 per week

 PHB679 CLINICAL RADIOGRAPHY 5
Clinical experience in advanced radiographic techniques.
Course: PH38, PH90 Prerequisites: PHB576, PHB579
Credit Points: 8 Contact Hours: 3 per week

 PHB680 NUCLEAR MEDICINE IMAGING 2
Lectures, practical exercises and clinical experiences in nuclear medicine imaging. This unit expands on topics introduced in PHB373 and provides an indepth study of nuclear medicine imaging techniques.
Courses: PH38, PH90 Prerequisite: PHB373
Credit Points: 10 Contact Hours: 5 per week

 PHB681 COMPUTED TOMOGRAPHY IMAGING
Lectures, practical exercises and clinical experiences in CT imaging; expands on topics introduced in PHB573 indepth study of CT imaging techniques.
Courses: PH38, PH90 Prerequisite: PHB573
Credit Points: 10 Contact Hours: 5 per week

 PHB683 ONCOLOGICAL IMAGING
Principles and techniques of medical imaging used in the detection of cancer: CT, MRI, U/S and NM.
Courses: PH38, PH90
Credit Points: 6 Contact Hours: 3 per week

 PHB685 COMPUTER ASSISTED TREATMENT PLANNING 2
The use of computers in the planning of non-standard and complex radiotherapy treatment including arc and rotation techniques, irregular field techniques, three-dimensional plans.
Courses: PH38, PH90 Prerequisite: PHB585
Credit Points: 8 Contact Hours: 4 per week

 PHB687 SPECIALISED RADIOTHERAPY TECHNIQUE
Specialised radiotherapy techniques including techniques applicable to the child patient and patients with communicable disease, theatre procedures, total body photon and electron therapy.
Courses: PH38, PH90
Credit Points: 10 Contact Hours: 4 per week

 PHB689 CLINICAL RADIOTHERAPY 5
Clinical experience in specialised radiotherapy treatment techniques.
Course: PH38  Prerequisite: PHB589, and PHB685
Credit Points: 8  Contact Hours: 4 per week

■ PHB705 PROJECT
A research project in which the student initiates and undertakes an investigation of some magnitude and originality. Topics are related to research interests in the Centre for Medical and Health Physics, or the School of Physics
Course: SC60  Credit Points: 48

■ PHB706 QUANTUM MECHANICS
Linear vector space; operators; eigenvalues and eigenvectors; physical variables and Hermitian Operators; action principle; matrix mechanics; potential scattering; Born approximation; perturbation theory; many particle systems; introduction to superconductivity.
Course: SC60  Credit Points: 12  Contact Hours: 4 per week

■ PHB707 ADVANCED MATERIALS
Amorphous and nanocrystalline structures; ceramics; metastable interstitial nitrides; composites; superconducting ceramics; fabrication techniques; testing and analysis of advanced materials; shock processing.
Course: SC60  Credit Points: 12  Contact Hours: 4 per week

■ PHB708 ADVANCED TOPICS IN PHYSICS
No more than three topics are included. The content is determined by current research advances, availability of appropriate staff, visiting academics, etc. and may vary from year to year.
Course: SC60  Credit Points: 12  Contact Hours: 4 per week

■ PHB709 ADVANCED RADIOThERAPEUTIC PRACTICE 1
The content of this unit includes topics from a number of areas and is designed to complement the particular background of persons undertaking the conversion program.
Course: PH90  Credit Points: 16

■ PHB889 ADVANCED RADIOThERAPEUTIC PRACTICE 2
See PHB789
Course: PH90  Credit Points: 20

■ PHN112 MEDICAL IMAGING SCIENCE
Introduction to the ‘C’ programming language; programming techniques and algorithms; numerical analysis; and digital image processing.
Course: PH80, SC60  Credit Points: 12  Contact Hours: 4 per week

■ PHN113 RADIATION PHYSICS
Radioactivity and the interaction of ionising radiation with matter; applied radiation counting techniques; biological effects of ionising radiation.
Course: PH80, SC60  Credit Points: 12  Contact Hours: 4 per week

■ PHN114 MICROPROCESSORS & INSTRUMENTATION
The capabilities and limitations of a given instrument; design of interfaces between microcomputers and transducers; signal conditioning and signal conversion circuits for data acquisition.
Course: PH80, SC60  Credit Points: 12  Contact Hours: 4 per week

■ PHN155 ULTRASONIC EXAMINATION IN OBSTETRICS/GYNAECOLOGY
The normal and abnormal anatomy and functions related to gynaecology and obstetrics, the ultrasonic techniques used and the appearance of related images.

Course: PH80  Credit Points: 6  Contact Hours: 2 per week

■ PHN156 ULTRASONIC EXAMINATION OF THE ABDOMEN
A study of the techniques used in the ultrasonic examination of the abdomen including the appearance on the ultrasound image of normal abdominal anatomy and its alteration by pathological processes.
Course: PH80  Corequisite: PHN156  Credit Points: 6  Contact Hours: 2 per week

■ PHN162 PRINCIPLES OF MEDICAL ULTRASOUND
Principles of diagnostic ultrasound; physics of ultrasound; ultrasound equipment design and performance; image production and artefacts; general principles of scanning; patient and equipment care; use of coupling materials and acoustic windows and transducer selection.
Course: PH80  Credit Points: 12  Contact Hours: 4 per week

■ PHN171 ADVANCED ONCOLOGICAL IMAGING
Principles and applications of advanced imaging modalities applied to detect cancer; application of anatomical structures and tumour pathology to advanced imaging modalities; the principles and applications of portal imaging.
Course: PH80  Credit Points: 12  Contact Hours: 4 per week

■ PHN173 ADVANCED RADIOTHERAPY TECHNIQUE
Detailed study of brachytherapy equipment; technique and brachytherapy practice.
Course: PH80  Credit Points: 12  Contact Hours: 4 per week

■ PHN181 PRINCIPLES OF MEDICAL IMAGE PROCESSING
The principles of image data acquisition in digital imaging modalities including nuclear medicine; magnetic resonance; digital subtraction angiography and computed tomography. Convolution theorem; image enhancement techniques; image reconstruction; threedimensional image presentation techniques.
Course: PH80  Credit Points: 6  Contact Hours: 2 per week

■ PHN182 COMPUTED TOMOGRAPHY
The principles of computed tomography including equipment and contrast media considerations; techniques of specific examination - head, neck, thorax, abdomen, pelvis, extremities, therapy considerations and new developments.
Course: PH80  Credit Points: 6  Contact Hours: 2 per week

■ PHN183 NUCLEAR MEDICINE
Preparation, dispensing and quality control of radiopharmaceuticals; legal requirements; structure and function of biochemistry; biorouting of radiopharmaceuticals; dose calculations; safety considerations.
Course: PH80  Credit Points: 6  Contact Hours: 2 per week

■ PHN184 BREAST IMAGING
Medical imaging of the breast; principles of mammographic and sonoex imaging; breast anatomy and physiology; pathological conditions affecting the breast and their mammographic and sonoex appearances; advanced mammographic techniques; mammographic and sonoex quality assurance.
Course: PH80  Credit Points: 12  Contact Hours: 4 per week
The basic concepts and principles of measurement in physical, biological, and medical sciences; the application of physics in various medical and health care fields; the complementary nature of medical imaging techniques in medical diagnosis; and the role, strengths, and weaknesses of advanced imaging techniques in medical diagnosis.

Course: PH80
Credit Points: 12
Contact Hours: 4 per week

PHN238 MEDICAL DIAGNOSIS
The complementary nature of medical diagnostic techniques; the role, strengths and weaknesses of advanced medical imaging techniques in medical diagnosis.

Course: PH80
Credit Points: 6
Contact Hours: 2 per week

PHN239 CLINICAL ATTACHMENT 2
A period of additional supervised clinical practice designed to expand and refine skills acquired in PHN297.

Course: PH80
Prequisite: PHN197
Credit Points: 12

PHN240 PROJECT (PT)
The project may take the form of research development, a design, a feasibility study, or the collation of scattered information on a given topic. The project can be undertaken externally under QUT supervision. Time spent on projects is one year for full-time and two years for part-time students.

Course: PH80
Credit Points: 96 (48 FT and 24 PT per semester)
Contact Hours: 18 (FT) and 9 (PT) per week

PHN241 MAGNETIC RESONANCE IMAGING
Magnetic resonance imaging as applied to medical imaging; the principles, instrumentation and imaging sequencing parameters of MRI; image production, manipulation and storage; clinical MRI applications and techniques.

Course: PH80
Credit Points: 12
Contact Hours: 4 per week

PHN242 DIGITAL SUBTRACTION ANGIOGRAPHY
The principles, equipment and techniques used in digital subtraction angiography; use of contrast media; catheterisation techniques and immobilisation methods; specific examinations - cerebral, extra cerebral, cardiac, thoracic, abdominal, peripheral vessels.

Course: PH80
Credit Points: 6
Contact Hours: 2 per week

PHN243 CLINICAL ATTACHMENT 3
A period of additional supervised clinical practice designed to expand and refine skills acquired in PHN197 and PHN297.

Course: PH80
Prequisites: PHN197, PHN297
Credit Points: 12

PHN244 PROJECT (FT)
The project may take the form of research development, a design, a feasibility study, or the collation of scattered information on a given topic. The project can be undertaken externally under QUT supervision. Time spent on projects is one year for full-time and two years for part-time students.

Course: PH80
Credit Points: 96 (48 FT and 24 PT per semester)
Contact Hours: 18 (FT) and 9 (PT) per week

PHN245 ADVANCED COMPUTER PLANNING
Continuation of PHN173.

Course: PH80
Prerequisite: PHN173
Corequisites: PHN171, LSN159
Credit Points: 6
Contact Hours: 2 per week
This unit provides a focused theoretical foundation for each student's research program and develops a high level of theoretical understanding of the physical principles underpinning the research.

Course: PHN715  Credit Points: 8
Contact Hours: 18 (FT) and 9 (PT) per week

- **PHN715 ADVANCED TOPICS IN PHYSICS 1**
  - This unit provides a focused theoretical foundation for each student's research program and develops a high level of theoretical understanding of the physical principles underpinning the research.
  - Course: SC80  Credit Points: 8

- **PHN716 ADVANCED TOPICS IN PHYSICS 2**
  - See PHN715
  - Course: SC80  Credit Points: 12

- **PHS021 INTRODUCTORY PHYSICS**
  - Gives students without Senior Physics a basic grounding. Topics include: kinematics, mechanics, electricity and magnetism.
  - Course: BN10  Credit Points: 6  Contact Hours: 3 per week

- **PSB010 INTRODUCTORY DESIGN 1**
  - See ARB140.
  - Course: BN30  Credit Points: 12  Contact Hours: 6 per week

- **PSB011 INTRODUCTORY DESIGN 2**
  - Studio work; simple three-dimensional design tasks at a variety of scales, and illustrating tasks associated with the relevant professions. Workshop and field work related to studio exercises. Techniques of oral and written presentation, report writing, use of English as applicable to the relevant professions.
  - Course: BN30  Prerequisite: PSB010  Credit Points: 20  Contact Hours: 10 per week

- **PSB012 PLANNING & LANDSCAPE DESIGN 1**
  - Site planning and problem-solving theory; studio exercises developing the capacity to analyse the nature and use of spaces and to understand the role of creative expression in design; formal oral presentation techniques (informal and persuasive) including meetings, conferences, interviews and speeches.
  - Course: BN30  Prerequisite: ARB140 or PSB010, ARB141 or PSB011, PSB050, PSB054, PSB056  Credit Points: 21  Contact Hours: 9 per week

- **PSB013 PLANNING & LANDSCAPE DESIGN 2**
  - Site planning techniques. The studio exercises link work commenced in site planning theory and site planning techniques; integrates issues covered in PSB012 with the technical and practical aspects of site planning and design.
  - Course: BN30  Prerequisites: PSB012, PSB052  Credit Points: 20  Contact Hours: 6 per week

- **PSB014 PLANNING & LANDSCAPE DESIGN 3**
  - Confirms the student's appreciation of the coherence of the design process by a single integrated semester-long project. Secondly, the exercise focuses on interdisciplinary skills by undertaking joint work with the architecture students.
  - Course: BN30  Prerequisites: PSB013, PSB072, PSB058  Credit Points: 20  Contact Hours: 6 per week

- **PSB015 PLANNING & LANDSCAPE DESIGN 4**
  - Expansion of students' planning and design skills by increasing the complexity and scale of projects and introducing problems requiring knowledge and skills drawn from the human environment, natural environment and technology study areas. The three projects for the semester focus on the development of a significant urban area.
  - Course: BN30  Prerequisites: PSB013, PSB072, PSB058  Credit Points: 20  Contact Hours: 6 per week

- **PSB016 HISTORY OF THE BUILT ENVIRONMENT 1**
  - The development of the artificial human environment and its relationship to ideas, technology and the fine arts from the earliest times to the seventeenth century.
  - Course: BN30  Credit Points: 6  Contact Hours: 3 per week

- **PSB017 HISTORY OF THE BUILT ENVIRONMENT 2**
  - See ARB241.
  - Course: BN30  Credit Points: 8  Contact Hours: 3 per week

- **PSB018 LAND USE GENERATION**
  - Courses: BN30, PS47  Credit Points: 4  Contact Hours: 2 per week

- **PSB019 PLANTING DESIGN**
  - Design characteristics and criteria. Use of plants as structural and design elements within landscape principles to planting design; scale; design for change, growth, replacement and maintenance. Planting design in schemes such as streets, highways, parks, urban forecourts and interior plantscapes, gardens and broad scale regeneration and stabilisation.
  - Course: BN30  Prerequisite: PSB057  Credit Points: 4  Contact Hours: 1 per week

- **PSB020 LAND USE POLICIES**
  - Review of the government structure as applied to urban areas and regions. The levels of urban planning. How urban policies are made. Organisations as policy makers and policy implementors. Areas of conflict and their resolution. The various levels and types of land use planning. Major land uses and activities; work, housing, recreation, transport and welfare.
  - Courses: BN30, PS47  Prerequisite: PSB018  Credit Points: 4  Contact Hours: 2 per week

- **PSB021 CONSERVATION THEORY**
  - Introduction to the concepts of conservation and preservation. The structure of conservation legislation and responsibility in Australia. ICOMOS and the Burra Charter. The particular requirements of places, landscapes and precincts in mixed or public ownership. Application of conservation concepts and their use in the National Listings process.
  - Courses: BN30, PS47  Credit Points: 2  Contact Hours: 1 per week

- **PSB030 INTRODUCTION TO THE PROFESSIONS**
  - The concept of professionalism and contemporary social expectations of the environmental design professions. Current issues and controversies in environmental design and planning in Australia. Organisation and activities of the professional institutes. Powers, responsibilities and day-to-day activities of landscape architects and urban and regional planners.
  - Course: BN30  Credit Points: 3  Contact Hours: 1 per week

- **PSB032 ISSUES & ETHICS**
  - Case studies of successful solutions to environmental problems (e.g. Oregon, London, South Australia). Im-
Applications of major environmental problems and environmental awareness for urban form and policies. Environmental impacts of technological change. Contrasting attitudes towards conservation of natural, rural and urban environments. Concept of stewardship.

**Courses:** BN30, PS47
**Credit Points:** 4  **Contact Hours:** 2 per week

**PSB040 GRAPHIC COMMUNICATION**
A practice-based program with specialised, formal lecture inputs related to the development of methodologies. The program concentrates on the achievement of a professional standard in basic techniques of production documentation.

**Courses:** BN30
**Prerequisites:** COB163, PS400
**Credit Points:** 6  **Contact Hours:** 3 per week

**PSB041 REPORT PREPARATION**

**Courses:** BN30
**Prerequisites:** COB163, PS400
**Credit Points:** 4  **Contact Hours:** 2 per week

**PSB050 THE HUMAN ENVIRONMENT 1**
See ARB141.

**Courses:** BN30
**Credit Points:** 4  **Contact Hours:** 2 per week

**PSB051 THE HUMAN ENVIRONMENT 2**
Basic research principles, perception, learning processes, motivation and problem solving. Communication, characteristics and dynamics of group and interpersonal interactions. Stress and anxiety management. The role of the self-concept and locus of control in transactions with the world in general.

**Courses:** BN30
**Credit Points:** 6  **Contact Hours:** 2 per week

**PSB052 THE HUMAN ENVIRONMENT 3**
Role of social, cultural, and historical variables in human-environment interactions. Social and cultural development of Australian urban environments. Theory: privacy, personal space, territoriality, environmental meaning and cognition, cognitive maps and wayfinding, intercultural and intracultural differences.

**Courses:** BN30
**Prerequisite:** PSB051
**Credit Points:** 6  **Contact Hours:** 3 per week

**PSB053 THE HUMAN ENVIRONMENT 4**
Directing society; the roles of government and private enterprise; theories of power in society. The Australian example; three tiers of government; Australian constitution; parliamentary democracy. Queensland state administration; role of local government, quangos and statutory authorities; pressure groups and lobby groups and their influence in the built environment arena.

**Courses:** BN30
**Prerequisite:** PSB052
**Credit Points:** 4  **Contact Hours:** 2 per week

**PSB054 ENVIRONMENTAL SCIENCE**
Atmospheric process including climate; air pollution and smog; water cycles. Sea level changes and water pollution as a global issue; carbon, nitrogen and phosphorous cycling. Introduction to human population and demographic trends. Distribution and trade in renewable and non-renewable resources; trends in the use of land; the city as an ecosystem; natural resource management and conservation.

**Courses:** BN30, IF52, IF54, PS47
**Credit Points:** 4  **Contact Hours:** 2 per week

**PSB056 APPLIED LAND SCIENCE FOR DESIGNERS**
The foundations of a scientific understanding of the earth's surface. Topics include earth science and climatology for environmental design; land forms and their origins; introduction to the physical properties and behaviour of soils and rocks in relation to the design professions.

**Courses:** BN30
**Credit Points:** 4  **Contact Hours:** 1 per week

**PSB057 LANDSCAPE ECOLOGY 1**
Concepts of plant science and ecology which form the basic understanding necessary for design in dynamic biophysical environments; the biological world, at whatever scale of analysis we use - individual, species, population or community - is responsive in its form and function to the influences of the environment in which it lives. Through understanding the processes which regulate the impact of environment, it is possible to interpret patterns in the landscape, and predict change and design form and function.

**Courses:** BN30
**Credit Points:** 8  **Contact Hours:** 4 per week

**PSB058 LANDSCAPE ECOLOGY 2**
The broad division of the earth in relation to climate and soils; the ecosystem concept and its development and application at various geographic scales; concept of community ecophysiology and growth equations; ecological biogeography of Australian vegetation; classification of landscapes: concepts of biogeographic regions; landscape structure: patches and corridors and the ideas of matrix and network; analysis of landscape structure and function.

**Courses:** BN30
**Credit Points:** 8  **Contact Hours:** 3 per week

**PSB059 POPULATION & URBAN STUDIES**
Topics include: aspects of urban structure including size/function relationships, concentric zone theory, Hoyt's settlement patterns and problems of rural settlements. The dynamics of urban areas: the relationships and requirements of urban activities (especially residential, work and leisure activities); theories of city form and change; the problems of the CBD; the CBD fringe and the urban/rural fringe. Case studies of Australian settlements.

**Courses:** BN30, PS47, PS67
**Credit Points:** 6  **Contact Hours:** 2 per week

**PSB060 INTRODUCTION TO ECONOMICS**
Introduction to the basic economic problem of scarcity. Production possibilities are outlined together with various types of economic regimes. A simple macroeconomic circular flow model is introduced. The second part of the unit deals with microeconomic concepts. The market system and associated concepts of demand, supply and price equilibrium.

**Courses:** BN30, CN32
**Credit Points:** 2  **Contact Hours:** 1 per week

**PSB061 IMPACTS & ASSESSMENT**
Forms of impact assessment and analysis considering ecological, social and economic issues; various statutory systems. An analysis of the ecological processes as a background to assessing impact of human activities: urbanisation, resource exploitation, mining and other forms of landscape change.

**Courses:** BN30, PS47
**Prerequisites:** PSB058, PSB059
**Credit Points:** 5  **Contact Hours:** 2 per week

**PSB062 ECONOMICS OF TOWN PLANNING**
This unit is essentially microeconomic; introduces ur-
urban economics and the economic aspects of town planning issues, explores techniques for economic analysis suited to planning needs; illustrates interactions with employment, industry, population and urban studies at the economic interface.

Courses: BN30
Credit Points: 5 Contact Hours: 2 per week

PSB063 HOUSING & COMMUNITY SERVICES
Population change and households formation. Housing conditions and preference surveys; housing issues and policies. The economics of the building and land development industries. The physical place of educational institutions in communities. Shared use of facilities. Location and space standards. Social and welfare services and their role in the community.

Courses: BN30, PS47
Credit Points: 5 Contact Hours: 2 per week

PSB070 MAP & AIR PHOTO INTERPRETATION
Types, sources, uses and availability of maps and air photos, map reading, understanding of contours, land form and use of sections; methods and techniques of map production; introduction to photogrammetry and use of stereoscopes; introduction to remote sensing.

Courses: BN30
Credit Points: 2 Contact Hours: 1 per week

PSB071 SITE MEASUREMENT
Introduction to basic equipment for site measurement: levels, staffs, chains and tapes, the prismatic compass, optical prism, clinometer, range poles and their use in horizontal and vertical measurement. Introduction to recording of field data and the preparation of measured site drawings from recorded data.

Courses: BN30
Credit Points: 4 Contact Hours: 1 per week

PSB072 DESIGN SCIENCE
The quantity and quality of light and daylight in buildings; macro and micro climatic conditions; students are given the opportunity to conduct experiments and test models.

Courses: BN30
Prerequisites: ARB140, CHB204, PHB144, PSB011, PSB056
Credit Points: 4 Contact Hours: 2 per week

PSB073 COMPUTER TECHNIQUES
Development of understanding, awareness, and appreciation of computers as aids in data analysis and presentation, and of basic skills to input, manipulate and analyse output; for statistical analysis of data in decision making; the range of information systems; as a tool in landscape architecture and planning.

Courses: BN30
Prerequisites: MAB195, MAB196
Credit Points: 4 Contact Hours: 2 per week

PSB074 LAND DEVELOPMENT
The political, economic and physical contexts of land development; environmental services and utilities at the broad scale; the necessary design criteria for these services. Topics include: characteristics of land development projects; structure and operation of approval authorities; design considerations; impacts of electricity and gas systems on the natural environment; transport systems planning.

Courses: BN30
Credit Points: 8 Contact Hours: 3 per week

PSB077 TRANSPORT PLANNING
Studies include alternative modes of transport; methods for predicting future urban transport patterns; techniques of transport planning and management. Movement and its alternative modes. The origin and destination approach to traffic management; interchange studies, inter-urban traffic and regional transport planning. The relationship between land use and traffic generation.

Courses: BN30
Credit Points: 6 Contact Hours: 2 per week

PSB078 URBAN LAND DEVELOPMENT
Continuation of PLB456. Land development projects, their financial, marketing and local authority requirements; the housing industry, firm and industry developments and current trends; the requirements of community, public and utility services.

Courses: BN30
Prerequisite: PSB074
Credit Points: 6 Contact Hours: 2 per week

PSB190 ELECTIVE UNIT (PLANNING)
Any approved unit selected from the undergraduate programs of the Faculty of Built Environment and Engineering, normally one of the landscape architecture courses. In special circumstances the elective unit may be selected from courses offered by QUT's other Faculties or by another approved university.

Courses: BN30
Prerequisites: Completion of years 1 and 2
Credit Points: 3 Contact Hours: 2 per week

PSB244 LANDSCAPE GRAPHICS
Combined application of freehand, drafting and colour techniques. The selection of colour, theme and emphasis in graphic packages. Realism, abstraction and symbolism in landscape communication. Monochromatic graphics for simple reproduction. Integration of various graphic techniques and media. Efficient processes for reproduction and reproduction.

Courses: BN30
Credit Points: 6 Contact Hours: 2 per week

PSB275 LANDSCAPE CONSTRUCTION 1
Materials and methods of construction; skills in detailing and preparation of documents. Topics include: the common building materials; foundation soils; site stormwater drainage, water and electrical services; applied systems, including paving, etc.

Courses: BN30
Prerequisite: PSB071
Credit Points: 6 Contact Hours: 3 per week

PSB276 LANDSCAPE CONSTRUCTION 2
Management and cost of resources and materials for professional services, production of documents and implementation of projects. Techniques of land surface manipulation including construction of platforms for building, carparks, sports ovals, etc. and associated provision of surface drainage. Lectures are accompanied by skill development exercises in a grading workbook concluding with the preparation of two set grading plans.

Courses: BN30
Prerequisite: PSB071
Credit Points: 4 Contact Hours: 2 per week

PSB280 ELECTIVE UNIT (LANDSCAPE ARCHITECTURE)
Final-year students are required to undertake a minimum of two hours of elective units. The elective unit may be taken in either semester or spread across both semesters depending on unit choice.

Courses: BN30
Prerequisite: Completion of years 1 and 2
Credit Points: 4 Contact Hours: 2 per week

PSB303 ANALYSIS OF SPATIAL MEASUREMENT 1
Surveying measurements and their assessment, propagation of variances, pre-analysis of survey tasks, least squares adjustment methods for various functional and stochastic models.

Courses: IF52, IF54, PS47
Credit Points: 6 Contact Hours: 3 per week
PSB304 ANALYSIS OF SPATIAL MEASUREMENT 2
Generalised Least Squares, linearised observation equations approach to more extensive horizontal and 3-D networks including GPS data; reliability of solutions and design of networks; detection and treatment of systematic and gross errors.
Courses: IF54, PS47
Credit Points: 6 Contact Hours: 3 per week

PSB305 CARTOGRAPHY 1
Freehand drawing: field sketching; base materials; drawing instruments for survey drafting; 3-D representation; relief shading, contour interpolation, precision plotting; earth's coordinate system; construction of map projections; both manual and computer assisted; the cadastre: an introduction to its history and implications for society if the cadastre is not maintained; specifications for cadastral plan preparation: cadastral plan registering authorities' requirements, simple subdivision plans; plan reproduction techniques: electrostatic diazo.
Courses: IF52, IF54, PS47
Prerequisite: PSB306 Corequisites: PSB315, PSB327
Credit Points: 8 Contact Hours: 3 per week

PSB307 CARTOGRAPHY 2
Preparation of cadastral plans for survey actions over multiple amalgamations; building units and group titles; background tenures, mining tenures; detail survey plans; long and cross sections for engineering projects; digital data acquisition: types of digitisers and scanners; raster/vector conversions; digitising techniques; scanning problems; output devices; printers, plotters, scanner plotters, image setters.
Courses: IF52, IF54, PS47
Prerequisite: PSB306 Corequisites: PSB315, PSB327
Credit Points: 8 Contact Hours: 3 per week

PSB308 CARTOGRAPHY 3
Reprographics: graphic arts photography; film characteristics; emulsion properties; printing methods; offset lithography; gravure letterpress; requirements of originals; type and typesetting layout design; paper technology; ink technology, colour separation techniques and procedures for map production; halftone photography for relief shading; desktop publishing: software capability and limitations.
Courses: IF52, IF54, PS47, SV34
Prerequisite: PSB307
Credit Points: 8 Contact Hours: 3 per week

PSB309 CARTOGRAPHY 4
Map design: map compilation, generalisation; compilation methods; data sources and evaluation; map design elements: composition: visual presentation; gestalt theory: thematic mapping; qualitative and quantitative pre-processing of spatial data; statistical methods; data classification; dot map; choropleth map isarithmic mapping cartograms; colour and visual perception; colour systems; Munsell, Ostwald, CIE, colour in cartographic design.
Courses: IF54, PS47
Prerequisites: PSB308, PSB342
Credit Points: 8 Contact Hours: 3 per week

PSB310 GEODESY 1
Fundamentals of potential theory; the La Place operator and La Place equation; outline of spherical harmonics; the earth's gravity field, potential of the earth in spherical harmonics; Geometric and physical of lower degree harmonics; mapping geopotential surfaces, geoid, undulations, deflection of vertical, level surfaces, normal, orthomorphic, dynamic heights; heighting systems and AID; satellite geodesy, perturbed and unperturbed satellite motions; orbital elements; determination of orbits; satellite ephemerides; orbital characteristics for communication, remote sensing and position fixing satellites; the GPS system, configuration, availability, reliability, ephemerides, error sources and error budgets; GPS receivers and software; GPS applications in point positioning, differential and kinematic mode; non-geodetic applications.
Courses: IF54, PS47
Prerequisites: PHB172, MEB221, PSB327, MAB498
Corequisites: PSB346, PSB329
Credit Points: 6 Contact Hours: 3 per week

PSB311 GEODESY 2
Further work on spherical and ellipsoidal harmonics; Gauss's and Green's formulae, Legendre's functions, Stokes' formula; determination of geoid and best fitting spheroids; satellite datum, transformation to geodetic datum; local and geocentric geodetic datum, mutual transformations; geodetic and satellite time systems; variations in gravity, gravity measurement, gravity and height anomalies; ocean and earth tides; other geodetic space techniques; VLBI, LLR, INS, Doppler; the incorporation of these data sets into classical terrestrial data sets; geophysical aspects of geodesy; rotation of the earth, length of day, polar motion, UT1 and UT2; work of the International Earth Rotation Service; the Conventional Terrestrial System.
Course: PS47
Prerequisite: PSB310
Credit Points: 6 Contact Hours: 3 per week

PSB315 LAND ADMINISTRATION 1
Introduction to the nature of politics, political concepts and culture, and public policy; constitutional development in terms of its English origins, evolution of colonial self-government, federalism and the Australian Constitution with particular reference to the effects on laws relating to land; the roles of parliament, executive government, the judiciary, the public service, local government; the exercise of political influence through pressure groups, political parties, the mass media, and issues of freedom of information; the purpose and aims of resource policy and the role of property rights in resource management.
Courses: IF54, PS47, SV34
Credit Points: 6 Contact Hours: 3 per week

PSB316 LAND ADMINISTRATION 2
An historical study of the development of land policy in Australia, highlighting the conflicts that have arisen from differing philosophies of land use and ownership; introduction to the elements of the law; the sources of the law, legal systems, the judicial hierarchy, rules of precedent, law reports, where to find the law; the basic principles and objectives of the Torrens system of land titling; concepts of government guarantee and indefeasibility; concepts of Estate, Tenure, Interests; the operation of the Torrens system in Queensland; Certificates of Title, caveats, mortgages, dealings, transfers, leases, etc.
Courses: IF54, PS47
Credit Points: 8 Contact Hours: 3 per week

PSB317 LAND ADMINISTRATION 3
Courses: IF54, PS47
Prerequisite: PSB316
Credit Points: 8 Contact Hours: 3 per week

PSB318 LAND ADMINISTRATION 4
An introduction to rural and urban sociology; defining sociology, the ecological approach, urban social structure,
social patterns in urban society, deviance and urban living, rural social patterns and problems. Social aspects of land administration, the impact of industrialisation land urbanisation on rural societies, the country/city dichotomy; social problems of new town and large scale suburban subdivision and urban redevelopement.

Course: PS47  Prerequisites: PSB319, PSB323  Credit Points: 6  Contact Hours: 3 per week

■ PSB319 LAND ADMINISTRATION 5
The role of organisation, learning as a function of time, tendencies towards specialisation, the concept of synergy, problems of coordinating activities, the organisation of information and the significance of rule governed behaviour; economic, psychological, administrative, political and sociological perspectives on organisation; systems and cybernetic approaches to organisation; the individual as a system, social systems, and adaptive systems; applications in personal psychology and development, the business firm, professional and industry organisations, government and social controls, legal institutions and public policy, land information systems.

Course: PS47  Prerequisites: PSB315, PSB318, PSB323, PSB318  Credit Points: 6  Contact Hours: 3 per week

■ PSB320 LAND DEVELOPMENT PRACTICE 1
The history of land development, especially urban land development, in Australia and in Queensland. The effects of technology and social attitudes on urban land development; sustainable land development; the physical, economic and social determinants of land use; land development as an economic activity; economic and social benefits of land development controls; site analysis and assessment; opportunities and constraints, sieve analysis and assessment; models for levels of activity and location of activities, optimising models.

Courses: PS47  Prerequisites: MAB498, PSB054, PSB324, PSB342  Corequisites: CEB464, PSB317  Credit Points: 8  Contact Hours: 3 per week

■ PSB321 LAND DEVELOPMENT PRACTICE 2
Elements of traffic planning, road capacities, road hierarchies; geometric layout of rural and urban roads; storm water and sewerage drainage for urban subdivisions; subdivision design; lot geometry and orientation, road hierarchies and access; open space systems, radburn; provision and location of services; detailed treatment of development controls affecting subdivisions - negotiations, applications, appeals; preparations for Court, precedents.

Courses: PS47  Prerequisites: CEB464, PSB317, PSB318, PSB320  Corequisite: CEB564  Credit Points: 8  Contact Hours: 3 per week

■ PSB322 LAND DEVELOPMENT PRACTICE 3
Further work on conventional and innovative subdivision design, integration of road and lot design with engineering works, especially drainage; subdivision designs and procedures for canal estates, industrial estates, group titles, building units and other strata titles; costing and cash flow analysis for subdivision projects; feasibility studies, designing to a budget; preparation of a complete application for a local authority approval.

Course: PS47  Prerequisites: CEB564, PSB321, PSB324  Credit Points: 16  Contact Hours: 6 per week

■ PSB323 LAND STUDIES 1
Introduction to the nature and scope of economics as a discipline; analysis of factors affecting supply and demand for goods and services; market structure, market failure and rationale for government intervention into the operation of markets; land and natural resources, conservation and the environment, and the role of property rights and obligations; problems of industry location and spatial aspects of economics; consideration of economic efficiency, productivity, technological change and economic growth.

Course: PS47  Credit Points: 6  Contact Hours: 3 per week

■ PSB324 LAND STUDIES 2
Concepts of value, purposes of valuation; general and statutory definitions; general principles of valuation; methods of valuation, preparation and presentation of valuation reports; valuation of improvements to land; valuation methods and techniques applicable to the valuation of residential, retail, commercial and industrial property; valuation of other rights in land, easements, licences, life interests, reversions, remainders and fractional interests; stress title; effect of statutory town planning schemes on land valuation; land valuation and land administration: legislation affecting land valuation practice including the Valuation of Land Acts, Valuers Registration Act, Auctioneer's Commission Agents Act, Sale of Land Act; Law reports on valuation cases; reports of recent Royal Commissions and Committees of Inquiry dealing with land valuation; duties and liabilities of a valuer.

Courses: IF54, PS47  Prerequisites: PSB316, PSB323, PSB328  Credit Points: 6  Contact Hours: 3 per week

■ PSB325 LAND SURVEYING 1
General introduction to the profession and to position fixing methods ('absolute' and relative). Elementary treatment of errors - systematic and random; accuracy and precision. Working from 'whole to part'; horizontal and vertical control, PSMs, level datum(s), BMs, MSL, AHD. Types and purposes of surveys; tapes and chains, formulae (sans derivations) for slope, temperature, sag and tension correction; chaining techniques; simple trigonometric and differential heighting; introductory principles and use of EDM; calculations; close and Bowditch adjustment; areas and volumes. Introduction to mapping; map numbering system used in Queensland; interpretation of cadastral and topographical maps; elementary aerial photography; simple geometry and stereoscopic measurement, interpretation and orientation in maps and field positions; outline of GPS and GIS technologies - opportunities and pitfalls.

Courses: IF54, PS47  Corequisites: PS47  Credit Points: 8  Contact Hours: 3 per week

■ PSB326 LAND SURVEYING 2
Calculations; missing element close; horizontal curves (simple, compound, reverse); cutting off areas; 'Horner type' plane calculations; earth work estimation; errors; further work on random errors, measures of precision, errors and residuals; simple propagations; theory, tests and adjustments of optical theodolites, tacheometry, ODM, test and adjustments of tiling and automatic levels; reciprocal and precision levelling. Theory and practice of electronic theodolites and total stations; (Note: this requires coordination with Physics). Traversing and further non-Least Square adjustments; investigation and detail surveys. Longitude and cross-sections; theory and practice of barometric and hydrostatic levelling. Further work on contours and contouring.

Courses: IF54, PS47  Prerequisites: PSB325  Corequisites: PHB172  Credit Points: 8  Contact Hours: 3 per week

■ PSB327 LAND SURVEYING 3
Position fixing and resection; contour and detail surveys, specifications, performance and assessment of DTM;
horizontal and vertical alignment for route surveys; areas, volumes and earthworks. Field astronomy theory.

Courses: IF52, IF54, PS47
Credit Points: 10  Contact Hours: 3 per week

**PSB328 LAND SURVEYING 4**
Land Title Systems, Reinstatement; an explanation of the options of land title systems, with particular reference to Customary Land Tenure, Private Deeds registration, Public Deeds registration, and Registration of Title; an analysis of the literature and case law relevant to the reinstatement of property boundaries as applicable to Queensland; an analysis of legislation, subordinate legislation and case law that impinges on the reinstatement process; a comparative rendering of spatial relationships. Field survey to reinstate the boundaries of a section in the Brisbane Metropolitan area.

Courses: IF52, IF54, PS47
Prerequisites: PSB316, PSB325, PSB328
Credit Points: 8  Contact Hours: 3 per week

**PSB329 LAND SURVEYING 5**
Reconnaissance for geodetic surveys; geodetic observations techniques and reduction of observations. The three classical methods of geodetic surveying, triangulation, trilateration and traversing. Precise levelling including the Princeton Test; satellite surveying using GPS technology; the undertaking of a geodetic survey in accordance with Surveyors Board requirements for Registration as a Surveyor.

Courses: IF54, PS47
Prerequisites: PSB327
Credit Points: 8  Contact Hours: 3 per week

**PSB330 LAND SURVEYING 6**
Field surveys for DTMs, as-constructed surveys, associated specifications and standards; more complex setting out, control and monitoring for structures; mining surveying for surface and below surface mining activities; hydrographic surveying for exploration and port management.

Courses: IF54, PS47
Credit Points: 8  Contact Hours: 3 per week

**PSB331 LAND SURVEYING 7**
The need for control in the use of resources; property rights as a method of resource control. Creating and maintaining knowledge of property rights; including issues concerned with parcel identifiers; land tenure, land boundaries, land subdivision, land registration, changing rights through statute changes, attitudes and responses of the public; evidence of property rights; evolution from customary land tenures to land registration systems; factors leading to breakdown of systems. Effects of technological change on land use, evolving property rights and obligations, and on information technology on land use controls; the Mabo case.

Course: PS47
Credit Points: 8  Contact Hours: 3 per week

**PSB332 LAND SURVEYING 8**
Procedures of the various departments including but not confined to the Department of Lands, Resources Industries; plan registration, road closure, resumption surveys, conversion of mining tenure to freehold, conversion of pastoral tenures to freehold, exision for and of reserves of various kinds. The undertaking of a cadastral survey of moderate complexity in accordance with Surveyors' Board's requirements for registration as a surveyor.

Course: PS47
Prerequisites: PSB328
Credit Points: 8  Contact Hours: 3 per week

**PSB333 MAP PROJECTIONS**

Courses: IF54, PS47
Prerequisite: MAB497
Credit Points: 8  Contact Hours: 3 per week

**PSB334 PHOTOGRAMMETRY 1**
Foundations of photogrammetry: history, products, applications; elements of photogrammetric optics: lenses and filters; aerial cameras: aerial photography; factors affecting the photographic mission; acquisition of photography. Photographic materials and processing; photographic materials and their properties; the aerial photographic image; planning and executing the photogrammetric project. Field surveys for photogrammetry; introduction to basic mathematics of photogrammetry; geometry and use of a stereo model. Introduction to remote sensing; propagation of electromagnetic waves; general description of sensors; processing of image grey levels; classification; mapping with space borne imagery.

Courses: IF54, PS47
Credit Points: 6  Contact Hours: 3 per week

**PSB335 PHOTOGRAMMETRY 2**
Basic mathematics of photogrammetry: coordinate systems; elements of interior and exterior orientation; image forming equations of the central projection; fundamental rotation matrices. Space resection of a single photograph; formation of a stereo model: on a stereoplottor; numerically; aerotriangulation: introduction; historical development; methods; instrumentation. Block triangulation with independent models: three-dimensional transformation of unit models; separation of planimetric and height computations; corrections for image errors and instrumental errors; image deformation; physical effects; accuracy of block adjustment: planimetry; height.

Courses: IF52, IF54, PS47
Prerequisites: MAB497, MAB498, PS433
Prerequisites: MAB497, MAB498, PS433
Co-requisites: PS304, MAB795
Credit Points: 8  Contact Hours: 3 per week

**PSB336 PHOTOGRAMMETRY 3**
Principles of plotting with a Stereoplottor: analogue plotters; analytical plotters. Rectification of photographs: perspective relationship between planes; differential rectification of photographs (ortho-photos); data acquisition; digital elevation model; acquisition of height points; accuracy assessment; close range photogrammetry: introduction; overview; applications. Digital mapping and its relationship to geographic information systems and remote sensing; general process; attribute encoding of cartographic information; geographic information systems.

Courses: IF54, PS47
Prerequisites: MAB497, MAB498, PS330, PS334, PS335
Credit Points: 8  Contact Hours: 3 per week

**PSB337 PHOTOGRAMMETRY 4**
Introduction to digital photogrammetry: digital photogrammetry; digital image fundamentals; all digital photogrammetry and remote sensing; image sam-
Photographing and resampling; digital image correlation; theory of digital correlation; computational methods in digital correlation; some strategies of computation in correlation; correlation by least-squares; multi-point and feature-based matching. Digital geometric processing of images: projective transformation equations; effect of terrain undulations; digital differential rectification; processing of image grey levels: image transformation; image enhancement; image restoration.

Course: PS47
Prerequisites: MAB498, MAB795, PSB303, PSB304, PSB335, PSB336
Credit Points: 6
Contact Hours: 3 per week

■ PSB338 PROFESSIONAL PRACTICE
Definitions and characteristics of a profession: principles of ethical behaviour, codes of ethics, the Code of Ethics of ISkA; professionalism and statutory regulations; current issues in professionalism; professional organisations; professional heritage. The Surveyor and statutory authorities. The Surveyors' Board, its purpose, powers, and functions; registration of surveyors. Business planning: market research and analysis, types of business structure, feasibility studies, cost-benefit analysis, financial requirements, business requirements; equipment insurance, staff recruitment, etc. Legal aspects of practice; contract; torts; business organisations: sole trader, partnership, company, joint venture, association and trusts, business names.

Courses: IF54, PS47
Prerequisites: COB163, PSB317 and completion of at least 240 course credit points
Credit Points: 6
Contact Hours: 3 per week

■ PSB339 PROJECT
Each student is to research and report on a topic germane to surveying and mapping that will demonstrate a capacity to satisfy the objectives of this subject. A 20-25 minute seminar is given by each student in both semesters on the topic of the project, or other approved subject.

Course: PS47
Prerequisites: BNB001 plus completion of not less than 240 course credit points
Credit Points: 16
Contact Hours: 3 per week

■ PSB340 REMOTE SENSING 1
History and principles of remote sensing: introduction; definitions; principles; electromagnetic radiation: introduction; the electromagnetic spectrum; interaction with the atmosphere; interaction with surfaces; types of imagery; image interpretation: elements of image interpretation; image interpretation strategies; preparation for interpretation; satellite systems: history; current platforms. Image resolution: target variables; system variables; operating conditions; elementary image classification: informational classes and spectral classes; unsupervised classification; supervised classification; other classifications; applications in the earth sciences; land use and land cover remote sensing and geographic information systems.

Courses: IF54, PS47
Credit Points: 6
Contact Hours: 3 per week

■ PSB341 REMOTE SENSING 2
Review of aspects from PSB340: image interpretation; activities of image interpretation; elements of image interpretation; types of image interpretation; visual requirements of image interpretation; image processing and image classification; cartographic presentation of remote sensing data: fundamentals of cartographic presentation; approaches to cartographic presentation; rectification; applications environment; terrain and mineral: assessment and evaluation. Forest lands: inventory and assessment; water resources assessment; the marine environment. Weather and climate: measurement and analysis; crops and soils: urban environments: inventory and analysis; regional analysis.

Course: PS47
Prerequisite: PSB340
Credit Points: 8
Contact Hours: 3 per week

■ PSB342 SPATIAL INFORMATION SCIENCE 1
Introduction: what is spatial information science; maps and map analysis; raster SIS; vector SIS; digital elevation models; spatial data bases: spatial objects and data base models; relationships among spatial objects; data base concepts; data acquisition; sampling; data input; coordinate systems; map projections; transformations; georeferencing; Using spatial information systems: spatial analysis; output; graphic output design issues; modes of user/SIS interaction.

Courses: IF54, PS47
Credit Points: 8
Contact Hours: 3 per week

■ PSB343 SPATIAL INFORMATION SCIENCE 2
Coordinate systems and geocoding: common coordinate systems; map projections; transformations. Vector data structures and algorithms: storage of complex spatial objects; storage of lines; algorithms; polygon overlay operation; raster data structures and algorithms: raster storage; hierarchal data structures; quadtree algorithms and spatial indices; data structure and algorithms for surfaces, volumes and time; digital elevation models; spatial interpolation; temporal and 3-D data bases; data bases for spatial information systems; concepts; error modelling and data uncertainty; accuracy of spatial data bases; managing errors; line generalisation; visualisation: visualisation of spatial data; colour theory.

Course: IF54, PS47
Prerequisites: PSB306, PSB326, PSB334, PSB342
Credit Points: 8
Contact Hours: 3 per week

■ PSB344 SPATIAL INFORMATION SCIENCE 3
Spatial information science application areas: application areas; resource management; urban and rural planning; cadastral administration; facilities management; system planning: system planning overview; functional requirements analysis; system evaluation; benchmarking; system implementation: database creation; implementation issues; implementation strategies; other aspects: standards; legal issues; knowledge based techniques.

Course: IF54, PS47
Prerequisite: PSB343
Credit Points: 8
Contact Hours: 3 per week

■ PSB345 SPHERIODAL COMPUTATIONS
Properties of the meridian ellipse. Radii of curvature, radius of curvature as a geodetic reference surface, latitude, longitude, geoid separation and ellipsoidal height. Mutual conversion of geodetic and cartesian coordinates. Seven parameter coordinate transformations; least squares parameter estimation; Point-to-point com­putation on the spheroid, Robbin's long line and simpli­fied formulae. Approximate methods; setting out parallels and meridians.

Course: IF54, PS47
Prerequisite: PSB344
Credit Points: 8
Contact Hours: 3 per week

■ PSB346 SPHERIODAL COMPUTATIONS
Properties of the meridian ellipse. Radii of curvature, meridian arc. Spheroid as a geodetic reference surface, latitude, longitude, geoid separation and ellipsoidal height. Mutual conversion of geodetic and cartesian coordinates. Seven parameter coordinate transformations; least squares parameter estimation; Point-to-point com­putation on the spheroid, Robbin's long line and simpli­fied formulae. Approximate methods; setting out parallels and meridians.

Course: IF54, PS47
Prerequisites: MAB497, PSB303
Credit Points: 6
Contact Hours: 3 per week

■ PSB347 TOPICS IN ENGINEERING SURVEYING
Deformation surveys, design and analysis for structures and subsidence. Large scale metrology, measurement
methods and geometric shape fitting: tunnelling surveys; high rise buildings.
Courses: PS47, SV34
Credit Points: 6 Contact Hours: 3 per week

**PSB348 SEMINAR**
Introduction to surveying, and the role of professional surveyors in society; the education and training process required for professional recognition; verbal and written communication; preparation of technical papers and reports in surveying and mapping; business correspondence; group work and study.
Courses: PS47, PS48
Credit Points: 8 Contact Hours: 3 per week

**PSB902 URBAN PLANNING 1**
Building upon preliminary economic knowledge, urban growth theory and constraints are outlined. Population and employment changes and their effect on employment, industry and residential location are identified together with relevant definition and analytical techniques. Introduction to economic base studies, activity rates and use of multipliers. The urban labour market, unemployment and labour supply are outlined. Theory and methods of industry location are developed: types and needs of industry, retailing, retail hierarchies; office activities, office location; shopping centres; and office, industrial and corporate parks. The role of government and the impact of the post-industrial society are considered.
Courses: CN32, PS47
Credit Points: 4 Contact Hours: 2 per week

**PSB903 URBAN PLANNING 2**
Courses: CN30, CN32
Credit Points: 4 Contact Hours: 2 per week

**PSB904 SURVEYING & MEASURING**
Basic concepts, applications of surveying, relationship with architecture and building; instrumentation; setting out of procedures, plotting survey data, computations, cadastral systems, land tenure systems; Titles Office procedures, searching, identification, types of surveys, easements, encroachments, interpretation of survey plans.
Courses: CN31, CN32, CN33, PU42
Credit Points: 4 Contact Hours: 2 per week

**PSB905 PROJECT SURVEY**
Two surveys of a building site; chain survey with reduced levels taken on a grid; survey done by theodolite traverse.
Course: CN31 Prerequisite: PSB904
Credit Points: 4 Contact Hours: 2 per week

**PSB907 SURVEYING**
Introductory surveying methods, instrumentation; use of level and theodolite for gathering and setting out data points, distance measurement, circular curves, areas of volumes; introductory photogrammetry and digital terrain models.
Course: CE42
Credit Points: 8 Contact Hours: 3 per week

**PSB910 CONSTRUCTION SURVEYING**
Concepts of surveying and measuring, revision of trigonometry functions. Levels and levelling, reading and recording observations, 2-peg test. Linear measurement, correction to measurements. The theodolite, angles and bearings, traverses and traverse calculations. Setting out, contours and volumes. Maps. Cadastre. The practical sessions include levelling, measurement, traversing, setting out and use of construction instruments, checking verticality, etc.
Courses: CN41, CN43
Credit Points: 8 Contact Hours: 3 per week

**PSN002 CONCENTRATION STUDIES A**
Students, in conjunction with and with the approval of the Course Coordinator, elect studies to improve basic knowledge in identified areas of deficiency. Such study may be either in defined units offered outside the major or a specified reading/research program under tutorial guidance.
Courses: BN73, PS69
Credit Points: 4 Contact Hours: 1 per week

**PSN003 CONCENTRATION STUDIES B**
Each student undertakes approved study to develop more specialised knowledge and skills related to their specific focus of study or dissertation topic. Study may be taken within the student's own major through specialist studies offered by staff in their areas of expertise or from other advanced studies in the University.
Courses: BN73, PS69
Credit Points: 8 Contact Hours: 2 per week

**PSN004 APPLIED RESEARCH TECHNIQUES**
Research techniques, including surveys of various types, statistical analysis, remote sensing and others.
Courses: BN73, PS69
Credit Points: 4 Contact Hours: 1 per week

**PSN099 DISSERTATION**
Provides the opportunity to pursue in depth and with innovation an issue or problem within the chosen focus of study. This may be achieved through emphasis on either design or process. The balance between theory and design application may vary; however, a dissertation which focuses on a specific design must be supported by a theoretical basis and analysis sufficient to define the problem and to explain how the design satisfies the conditions for a solution. Conversely, a dissertation which focuses on the development of a theory must illustrate the practical implications of the theory for the relevant classes of design.
Course: BN73
Credit Points: 24

**PSN111 COMPARATIVE PLANNING THEORY**
Roles of planners: statutory, pluralist, advocate, consultant; models of planning at different scales and in different contexts: national, regional and local; planning under different economic and social conditions: free market, centrally planned, indicative, directive, interventionist, participatory. Current metropolitan and regional planning issues in Australia.
Courses: IF64, BN73
Credit Points: 6 Contact Hours: 2 per week

**PSN114 METROPOLITAN PLANNING PRACTICE & LAW**
Growth and changes in metropolitan areas with particular reference to Australia; urban sprawl or urban consolidation; the future of metropolitan Brisbane; the current planning and legislative framework; suggestions for reform; group project on an aspect of metropolitan planning, normally in Brisbane.
Courses: BN73, IF64
Credit Points: 12 Contact Hours: 3 per week

**PSN123 PLANNING IN DEVELOPING COUNTRIES**
The concept of the Third World: characteristics and setting: theories of national development relevant to the Third World; the roles of international agencies, gov-
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This unit allows development of understanding of the breadth of issues related to the elected specialisation; students will elect units from within professional level studies offered by the School, or the University or, where appropriate, from other universities and approved by the Head of School on the recommendation of the student's supervisor and which will give breadth within the student's specialisation.

This unit provides a forum for interdisciplinary discussion. Local and visiting speakers contribute specialist expertise and knowledge of specific issues or projects related to the work and interests of the contributing majors.

Students are introduced to issues related to the purpose, organisation and conduct of research and to a range of appropriate techniques for the collection and analysis of information relating to their dissertation topics. The current state of research and publication in the profession is highlighted.

This unit allows development of understanding of the breadth of issues related to the elected specialisation; students will elect units from within professional level studies offered by the School, or the University or, where appropriate, from other universities and approved by the Head of School on the recommendation of the student's supervisor and which will give breadth within the student's specialisation.
This unit ensures the understanding and demonstration of research skills and their effective application in a project of genuine substance and significance. Each student will undertake a Research Project in one of the elected specialisations: Landscape Design, Landscape Planning, Landscape Theory, Landscape Practice, Landscape Management. Each student will be assigned to a supervisor approved by the Course Coordinator. In general, the supervisor will provide guidance on the selection of topic, investigation and research, and preparation of the proposals and submission. Research Project I will incorporate advanced Information Retrieval Skills. The output will be a proposal for the specific Research Project which outlines the relevant base theory, and clearly communicates the potential extent of the Research Project.

Courses: PS70, PS71
Credit Points: 12
Contact Hours: 3 per week

**PSN212 RESEARCH PROJECT 2**

This unit ensures the understanding and demonstration of relevant research skills and their effective application in a project of genuine substance and significance. Each student will undertake a Research Project in one of the elected specialisations: Landscape Design, Landscape Planning, Landscape Theory, Landscape Practice, Landscape Management. Each student will be assigned to a supervisor approved by the Course Coordinator. In general, the supervisor will provide guidance on the selection of topic, investigation and research, and preparation of the proposals and submission. Research Project 2 requires the completion, communication and presentation of the research project to professional standard.

Courses: PS70, PS71
Credit Points: 12
Contact Hours: 3 per week

**PSN213 SPECIALISATION**

This unit ensures personalised study which will support the student's elected specialisation and contribute directly to the better understanding of the Research Project topic. Students will undertake study to develop specialised knowledge and skills related to the specific concentration and supporting the direction of the proposed Research Project topic. Study may be taken from specific programs offered by the school or from advanced units within the University or, where appropriate, through another university or through specialist studies offered by staff.

Course: PS71
Credit Points: 12
Contact Hours: 4 per week

**PSN214 ELECTIVE**

This unit allows development of depth in understanding of issues related to the elected specialisation. The School may offer specific programs in areas of specialisation or students will elect units from within the University or, where appropriate, from other universities and approved by the Head of School on the recommendation of the student's supervisor and which will give breadth and/or depth within the student’s specialisation.

Courses: PS70, PS71
Credit Points: 12
Contact Hours: 3 per week

**PSN221 ADVANCED SPECIALISATION**

The student develops further the approved specialised topic. Students may apply for approval for a specific Advanced Specialisation utilising units offered elsewhere in QUT or at another tertiary institution which must, for approval, be an extension of the specialisation studied in PS510 Specialisation in an earlier semester. The Advanced Specialisation is normally linked to the PSN212 Research Project II. Areas of specialisation are Regional and Local Development, Urban Housing and Community Development, Urban Design, Environmental and Resource Planning and Special Topic.

Course: PS70
Credit Points: 12
Contact Hours: 3 per week

**PSN223 SPECIAL TOPICS IN PLANNING METHODS**

The unit will offer support material appropriate to the specialisation the student is undertaking. For example, advanced computer models for economic and demographic forecasting; advanced Geographical Information Systems and advanced computer graphics; regional accounting and regional economic analysis; post-occupancy evaluation of the urban fabric; and possibly advanced presentation and communication techniques.

Course:
Credit Points: Contact Hours:

**PSP021 LANDSCAPE STUDIES 1**

Landscape Graphics 1: presentation methods which reveal unique characteristics of particular design solution types; lettering and layout with particular reference to the variety of situations. These include perspective sketches, axonometric drawings, section and elevation drawings, quick model making. Introduction to Practice 1 (continues into Landscape Studies 3). The concept of professionalism and contemporary social expectation of the profession. Roles and ranges of employment in the profession, the professional institute, the powers, responsibilities, and activities of landscape architects in private and public employment, future directions, potential and job opportunities associated with landscape architecture. Written and oral communication techniques. Costing related to the professional services of promotion, obtaining commissions, allocating time and resources, and the use of consultants, including the techniques of cost control.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 6 per week

**PSP021 LANDSCAPE STUDIES 2**

Landscape heritage. History of form, content, influencing factors and implication of the creation and development of historically, regionally and religiously significant consciously designed landscapes throughout the world. Introduction to the concepts of conservation and preservation; structure of conservation legislation and responsibility in Australia. ICOMOS and the 'Burra' Charter. Landscape Ecology 1 surveys the plant kingdom, emphasising evolutionary trends and consideration of plant systematics and taxonomy as scientific approaches to coping with diversity; classification and the development and use of keys for identification. Life forms as an expression of environmental influences: functional ecological units in plants and animals; populations and population regulation; limiting factors; life cycles; pollination and dispersal.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 7 per week

**PSP022 LANDSCAPE STUDIES 3**

Landscape Graphics 2: combined application of freehand, drafting, monochromatic and colour techniques; selection of colour, theme and emphasis in graphic packages; realism, abstraction, and symbolism in landscape communication. Introduction to Practice 2: see Landscape Studies 1 for common synopsis.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 4 per week

**PSP023 LANDSCAPE STUDIES 4**

Planting design: Introduces the operational influences on planting design (time and change, attitudes, and mean-
ings) plus design characteristics (structure and morphology) and criteria. Naturally and culturally derived methods and precedents will be studied. Horticultural issues of plant production and availability, industry standards, plant handling and establishment for all scales and types of planting, plant disorders and treatments, plant management and maintenance. Landscape ecology 2: the broad divisions of the earth in relation to climate and soils - biomes, formations, alliances, associations and societies; the ecosystem concept and its development and application historically and in Australia; biogeographic regions, provinces, land systems and land units; landscape structure and function; map air photo and remote sensed imagery; introduction to photogrammetry and use of stereoscopes.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 4 per week

- PSP024 ADVANCED LANDSCAPE STUDIES 1
  Advanced Landscape Construction 1 (continues into Advanced Landscape Studies 3): theory and techniques for construction of platforms, land stabilisation, clearing and demolition, earth dams, lakes and flood levees, broadscale stormwater drainage and control, sports facilities and swimming pools, irrigation systems. Associated engineering services and structures and the planning/schedule/control of civil engineering works. Types of documentation used for the implementation of landscape works including working drawings, specifications, bills and schedules of quantities, and methods of production. Emphasis is given to use of computer support to build graphical data and attribute data skills. Landscape Management A: relationship between management and construction, management created/dependent landscapes.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 6 per week

- PSP025 ADVANCED LANDSCAPE STUDIES 2
  Advanced Landscape Graphics: develop a variety of techniques of presentation graphics with particular reference to three-dimensional presentation in ‘drawn’ form. Quick techniques of animation additions to presentation drawings will be illustrated and emphasis on detail and understanding of design through section and perspective exploration will be encouraged. Advanced Landscape Practice 1: introduction to research and quality control, principles of marketing, client analysis and promotion; forum discussions will be structured around topical issues as debates, panel discussions or seminars which may include visiting specialist lecturers and/or participants.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 4 per week

- PSP026 ADVANCED LANDSCAPE STUDIES 3
  Advanced Landscape Construction 2; see Advanced Landscape Construction 1. Landscape Management B: landscape assessment, including visual and scenic quality, environmental impact assessment components and an outline of current commonwealth, state and local government environmental assessment procedures and applications. Computer techniques: types of GIS, potential and problems, and current issues, computerised three-dimensional modelling. Advanced landscape ecology: structure of landscapes and impact of human settlement; interaction between adjacent elements, wind, soil and water; connectivity of habitats and the dispersal of plants and animals; landscape and vegetation dynamics, scales of change; wildlife and conservation evaluation. Rural land use issues, systems, resource planning, rural land evaluation techniques. Resource management issues and systems, resource inventories and evaluation techniques. Approaches to conflict resolution in resource management.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 7 per week

- PSP027 ADVANCED LANDSCAPE STUDIES 4
  Cultural Values: landscape as art or artefact; the scientific, rationalist approach and evolving environmental romanticism; functionalism, symbolism and meaning. Advanced Landscape Practice 2: approved practical experience of at least three weeks will be prerequisite to or corequisite with this unit, principles of contract law, forms of contract, standard conditions of contract and engagement, principles of contract administration, case study, and professional presentation.

Course: PS66, PS71
Credit Points: 12
Contact Hours: 3 per week

- PSP212 USER & CHARACTER DESIGN STUDIES
  The values, rationales and philosophies of site planning. Design processes and dimensions, image ability and livability factors. The study of human functioning in environments, concepts of the life space, behaviour settings, genius loci. Design studies will be concerned with user behaviour and requirements within a specific site; analysis of the same or a different space in the light of both its own inherent character and the user needs and responses and the introduction of abstraction and three-dimensional design.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 3 per week

- PSP213 SITE PLANNING
  Introduction to the processes of site planning and detailed site design that lead to defendable and accountable solutions. Application of site planning principles and theory for different scales and types of projects; site utilisation and selection; application of site survey and analysis techniques; natural and human influences in physical design; environmental and social implications of design decisions; siting and integrating activities, structures and services; landform manipulation.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 3 per week

- PSP214 RESIDENTIAL LANDSCAPE DESIGN
  Introduction to the range of housing and subdivision types; how private and common land is controlled and managed; consequences for design. Controls, by-laws, standards and regulations for residential development. Studio: an intensive program requiring both group and individual work; written critique of an existing development, preparation of layouts for a range of housing development types, and detailed landscape design within a specific development type.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 3 per week

- PSP215 URBAN LANDSCAPE DESIGN
  Client and user analysis, data gathering and information requirements, programming of work for site planning
and detailed design services, programming of implementation; user/function analysis and site capacity considerations and preparation of a project brief. A medium scale intensive/multiple use project which demands redesign and rehabilitation will be undertaken. Students will be expected to make time available outside studio hours to visit project site(s) and carry out such site surveys and such 'Client' interviews as are necessary to establish project briefs and carry out the design project.

Courses: PS66, PS71
Credit Points: 12 Contact Hours: 3 per week

■ PSP216 LANDSCAPE PLANNING
The theoretical framework of landscape planning: relevant theories, methods and techniques for application in the landscape planning process. Studies will include medium to large scale projects involving a range of biophysical, cultural and visual issues with a relatively high degree of complexity. The focus will be on assessment and evaluation of related landscape attributes and issues with emphasis on landscape management options in the form of policies, guidelines and implementation strategies.

Courses: PS66, PS71
Credit Points: 12 Contact Hours: 4 per week

■ PSP218 ADVANCED LANDSCAPE DESIGN
Landscape design problems of increased scope, complexity and constraint with particular reference to a specific and relevant site. Emphasis on resolution of design at a broad scale, contextual concept based on a chosen theme, through to a detailed resolution of a particular area.

Courses: PS66, PS71
Credit Points: 12 Contact Hours: 4 per week

■ PSP219 ADVANCED LANDSCAPE DESIGN
Landscape design problems of increased scope, complexity and constraint with particular reference to a specific and relevant site. Emphasis on resolution of design at a broad scale, contextual concept based on a chosen theme, through to a detailed resolution of a particular area.

Courses: PS66, PS71
Credit Points: 12 Contact Hours: 4 per week

■ PSP251 LANDSCAPE CONSTRUCTION 1
Reading; understanding of contours, landform and use of sections. Introduction to measurement, recording of field data and preparation of measured site drawings. Terms; types of structures and loadings. Land grading: manual techniques of land surface manipulation: design of platforms for buildings, car parks, sports ovals, and other features and the associated provision of surface drainage. Development of understanding of the properties of common construction materials and their application in landscape construction. Techniques for preparation of construction documents.

Courses: PS66, PS71
Credit Points: 12 Contact Hours: 4 per week

■ PSP252 LANDSCAPE CONSTRUCTION 2
Reading; understanding of contours, landform and use of sections. Introduction to measurement, recording of field data and preparation of measured site drawings. Terms; types of structures and loadings. Land grading: manual techniques of land surface manipulation: design of platforms for buildings, car parks, sports ovals and other features and the associated provision of surface drainage. Development of understanding of the properties of common construction materials and their application in landscape construction. Techniques for preparation of construction documents.

Courses: PS66, PS71
Credit Points: 12 Contact Hours: 3 per week

■ PSP311 PROFESSIONAL PRACTICE MANAGEMENT
Business communication; oral communication, interviews, meetings, workshops and seminar presentations; office management; small business law; trade practice, contract, taxation, employment; workplace and safety legislation; professional ethics, professional bodies, Surveyors Act and Regulations, disciplinary procedures, relationships, clients and marketing; survey integration; aspects of change; roles of barrister and solicitor; brief for court appearance; expert witness; government agencies.

Course: PS68
Credit Points: 12 Contact Hours: 9 per week

■ PSP312 SURVEY COMPUTING & PROCESSING
DOS operating system and computer programming; word processing, project management, spreadsheets; programmable calculators for field use; surveying and drafting packages; management and technical applications.

Course: PS68
Credit Points: 8 Contact Hours: 6 per week

■ PSP313 SURVEY PROJECT MANAGEMENT
Quality assurance; client requirements, submission, execution and wrap-up; complex projects, involving resources, costs and timing; network methods; project management software; time costing, hourly rates and chargeable time; involvement with clients and other consultants; project team building; project specifications; technical requirements field methods, booking forms and equipment; overseas projects.

Course: PS68
Credit Points: 8 Contact Hours: 6 per week

■ PSP314 BOUNDARY DEFINITION SURVEYS 1
Land registration requirements; cadastral history, field procedures and records; reinstatement theory and practice related to urban and rural boundaries; field survey work involving the redefinition of urban and rural boundaries; office reinstatement exercises of increasing complexity to develop the necessary skills in assessing various types of survey problems; office completion of project work, including plan preparation using appropriate computer technology.

Course: PS68
Credit Points: 12 Contact Hours: 9 per week

■ PSP315 PROPERTY DEVELOPMENT SURVEYS
Legislation; urban and rural subdivision design and requirements; procedures involved with rezoning and subdivision applications; building units and group titles developments; multiple use development.

Course: PS68
Credit Points: 8 Contact Hours: 6 per week

■ PSP321 SPATIAL INFORMATION SYSTEMS
Assessment of maps and aerial photographs as data sources; mapping specifications; planning mapping projects; aerial photography, flight planning and costing; ground control requirements, including placement of ground targets and photo identification of ground points; aero triangulation, stereo plotting, map production and digital data aspects; planning, costing and preparation of specifications for comprehensive mapping task; GPS theory and practical application; GIS technology and its practical application.

Course: PS68
Credit Points: 8 Contact Hours: 6 per week

■ PSP322 ENGINEERING SURVEYING
Assessment of available technology, configuration of measuring systems and recording of data for project defi-
nition, preparation of specifications including field methodology, documentation requirements of field records, determination and assessment of results; management of engineering survey projects, including costing, submissions, working with other professionals, dealing with on-site variations; long-line survey control; road surveys; flood surveys; curves, batter sinking, other marking for construction and road design.

Course: PS68
Credit Points: 12 Contact Hours: 9 per week

PSP401 URBAN DESIGN ANALYSIS STUDIO
This unit emphasises the development of skills in analysis related to the urban design process and adequate communication of the results.

Course: BN73, PS69
Credit Points: 12 Contact Hours: 3 per week

PSP402 URBAN DESIGN CONTEXT STUDIO
Students undertake studies typically from a community participation project, a sense of place project, a conservation and infill project for the redevelopment/rehabilitation of urban precincts or residential areas. Techniques of guidance and control: the use of regulations, ratios and performance standards. Positive planning and the use of incentives for good design: bonuses, transferrable rights, advance publication of permissible development, rapid decisions, early dissemination of information. Work in other units of study is related to this unit.

Courses: BN73, PS69
Credit Points: 12 Contact Hours: 3 per week

PSP403 URBAN DESIGN CONJECTURE STUDIO
Identification and classification of approaches to urban design. The setting of objectives, the adoption of a method and the testing of implications for a particular urban design problem type. Students are required to undertake studies typically from: local area, precinct, part of the city, the city as a whole. Where applicable, work in other units of study is incorporated into this unit.

Courses: BN73, PS69
Credit Points: 12 Contact Hours: 3 per week

PSP405 URBAN DESIGN FIELD STUDIES
This unit consists of a field trip of approximately ten days' duration. Visits to successful and unsuccessful examples of urban design and to design offices in the eastern states and the Australian Capital Territory. Students analyse existing and proposed examples in the context of their original design criteria including cultural, social, political, economic and physical aspects to understand the applicable design rules. Examples are reviewed through site visits, discussion and seminars with designers and users.

Courses: BN73, PS69
Credit Points: 4 Contact Hours: 10 days

PSP411 ENVIRONMENTAL PSYCHOLOGY
The social and cultural development of Australian urban environments, with particular reference to the local built environment. The study of human functioning in urban environments. Theory: privacy, person space, territoriality, environmental meaning and cognition, cognitive ways and wayfinding, intercultural and intracultural differences. Application via examination and analysis of an urban environment or an artefact with respect to its sociocultural function.

Courses: BN73, PS69
Credit Points: 4 Contact Hours: 2 per week

PSP416 COMPUTER-AIDED DATA ANALYSIS
The development of skills and application of computer aided data analysis in design. The emphasis is on building graphical data and attribute data skills; database management software; input and manipulation of data; development of graphic skills using the Autocad system.

Courses: BN73, BN75, PS69
Credit Points: 2 Contact Hours: 1 per week

PSP421 HISTORY OF URBAN SYSTEMS
Analysis of urban forms and systems in the pre-industrial, industrial and post-industrial periods. Specific topics include urban activities: commerce, manufacture, administration, dwelling, recreation and culture; urban services: water supply, transportation, defence and public order, fire control, sewerage and waste disposal, fuel and power, public information; urban form: planning for intelligibility, planning for propriety and symbolism, planning for delight.

Courses: BN73, PS69
Credit Points: 4 Contact Hours: 1 per week

PSP424 URBAN DESIGN THEORY & CRITICISM
The characteristics of good theory in the field of urban design in relation to the work of a number of theoretical writers and schools. Specific topics include theoretical writing on urban design before 1800, theory and practice in the nineteenth century, the kunstlerischen Grundsatz of Camillo Sitte, the Garden City movement, Le Corbusier and Modernism, the Townscape movement, Jacobs and 'The Death and Life of Great American Cities', Alexander on the urban system, the intelligible city, the work of Lynch and Appleyard, Rapport on urban meaning, Habraken, Rowe and the city as independent artefact, Cantor, Relph and Tuan on the phenomenology of the city. Maitland's analysis of urban design concepts.

Courses: BN73, PS69
Credit Points: 4 Contact Hours: 1 per week

PSP432 URBAN LANDSCAPE
The city as a landscape unit, examples of city/site rela-
The use of computers to analyse and solve urban design problems and communicate solutions. Feasibility studies; land use studies; generation of envelope and space layouts; environmental and service systems analysis; development control testing; data handling and manipulation; computer graphics; interactive integrated design systems.

Courses: BN73, PS69
Credit Points: 4
Contact Hours: 1 per week

• PSP502 ECONOMIC & SOCIAL FOUNDATIONS OF PLANNING

The historical development of planning in a social context. Introduction to social theory. Planning for social benefit. Urban economics; the economics of community and local development. Local labour markets. Structural economic change and the global economy. Public interest and individual preferences. Australian government and urban policy development and alternatives at national, state and local level.

Courses: PS67, PS70
Credit Points: 12
Contact Hours: 3 per week

• PSP503 PLANNING & RESEARCH METHODS

The structure, methodological context and elements of the planning process. The role of objectives, information, interpretation, policy formulation, generation of alternatives, evaluation and monitoring. The use of quantitative methods and reasoning. Qualitative research, including case studies. Survey design, administration and analysis. Use of maps and other cartographic resources. Computer-based methods of analysis and presentation of data. Research design, including writing of research proposals. Oral and written presentation.

Courses: PS67, PS70
Credit Points: 12
Contact Hours: 3 per week

• PSP504 URBAN SYSTEMS & INFRASTRUCTURE


Courses: PS67, PS70
Credit Points: 12
Contact Hours: 3 per week

• PSP505 PLANNING IN SOCIETY

Major issues in contemporary society, including gender, multiculturalism, etc.; public policies in Australia, relating to employment, housing, urban and regional development, health, income and education. Public participation and community action; planning aid and advocacy planning. Conflict management, resolution and negotiation. Social impact assessment.

Courses: PS67, PS70
Credit Points: 12
Contact Hours: 3 per week

• PSP506 PLANNING THEORY & ETHICS

Major contributions to planning and decision-making theory, including the rational comprehensive, incrementalist, mixed scanning and other models. Critical and political economy theory and other theories for planning. The nature and role of a professional and professionalism; codes of practice and ethics; the role of the professional planner in the private and public practice; situations of professional conflict; the role of the expert witness.

Courses: PS67, PS70
Credit Points: 12
Contact Hours: 3 per week

• PSP507 PLANNING PROCEDURES & LAW

Planning law and administration in Queensland and Australia, with international comparisons. Corporate and
strategic planning, project management. Planning communication and negotiation skills, particularly in implementing planning proposals. Evaluation of planning projects and their outcomes. Community and local economic development.

Courses: PS67, PS70
Credit Points: 12 Contact Hours: 3 per week

■ PSP508 PLANNING PRACTICE I

The core of this unit is a problem-solving group project set in an inner metropolitan or small town location, normally undertaken in conjunction with local communities and councils. The subdivision exercise may be included as part of the major project or as a separate scheme. This unit offers scope for the application of knowledge and skills in the fields of site analysis and planning and land development. Lectures on these and other related topics provide relevant inputs to this practice oriented unit. Lectures will include relevant aspects of planning legislation. This will include examples of recent best practice in the planning field (e.g., through the commonwealth Local Approval Review Process review or related programs).

Courses: PS67, PS70
Credit Points: 12 Contact Hours: 3 per week

■ PSP509 REGIONAL & METROPOLITAN POLICY

Theories of regional and metropolitan development. Regional analysis methods, including input-output models, economic base studies and the like. The impact of the Australian federal system and inter-governmental relations on the ways in which metropolitan and other regions are planned and governed. Regional and metropolitan policies and management, including coordinating mechanisms. Regional and metropolitan management models and comparisons. The role of statutory authorities. Planning for rural and regional areas. Principles of regional environmental and land use planning and approaches such as integrated catchment management.

Courses: PS67, PS70
Credit Points: 12 Contact Hours: 3 per week

■ PSP510 SPECIALISATION

The student undertakes a supervised program of study in an approved selected field. The student may choose from a limited list of approved fields, depending on staff expertise and availability. Students may apply for approval for a specific specialisation utilising units offered elsewhere in the QUT or at another tertiary institution which must, for approval, also lead on to an Advanced Specialisation in a later semester. Students will normally choose a specialisation which relates to their intended Research Project. Areas of Specialisation are Regional and Local Development, Urban Housing and Community Development, Urban Design, Environmental and Resource Planning, and Special Topic.

Courses: PS67, PS70
Credit Points: 12 Contact Hours: 3 per week

■ PSP511 PLANNING PRACTICE II

The core of this unit is a problem-solving group project focusing on a planning region which is generally larger and more complex than a single town, such as a town and its hinterland, a metropolitan region or a functional rural region. This unit offers scope for the application of knowledge and skills gained in other units, including PSP509 Regional and Metropolitan Policy. Relevant aspects of planning legislation will be included.

Courses: PS67, PS70
Credit Points: 12 Contact Hours: 3 per week

■ PSP513 FIELD TRIP

The field trip will consist of a structured, staff-guided visit of about one week to one or more of a number of appropriate locations, including non-metropolitan areas of Queensland, other metropolitan centres in Australia, and possibly overseas.

Courses: PS67, PS70
Credit Points: 0 Contact Hours: 1 week

■ PST901 ENGINEERING SURVEYING

Fundamental survey concepts, coordinate systems, differential and simple isometric levelling, angular measurements; bearing and azimuth; linear measurements by steel tape and stadia.

Course: CE21
Credit Points: 7 Contact Hours: 3 per week

■ PUB109 INTRODUCTION TO ENVIRONMENTAL HEALTH

Students are introduced to a brief history of environmental health in Queensland. The current issues of environmental health within the public health agencies at all levels of government and the principal public health legislation in this state are reviewed. Students develop an understanding of the complexity of environmental systems, the effects of pollutants on such systems and the interdisciplinary approaches needed to address these problems.

Courses: NS40, NS48
Credit Points: 8 Contact Hours: 3 per week

■ PUB130 AUSTRALIAN HEALTH INDUSTRY

A broad overview of the systems of health care in Australia and their methods of operation. The public and private health and medical care sectors are discussed. The political environment, health care institutions, community health, public health, and the problems of coordination and integration of health services are also studied.

Course: PU48
Credit Points: 12 Contact Hours: 3 per week

■ PUB207 INTRODUCTION TO ENVIRONMENTAL HEALTH

A brief history of environmental health in Queensland; the current role of environmental health officers within the public health agencies at all levels of government and the principal public health legislation in this state; development of an understanding of introductory law and environmental law, the complexity of environmental systems, the effects of pollutants on such systems and the interdisciplinary approaches needed to address these problems; aspects of professional communications and report writing.

Course: PU42
Credit Points: 12 Contact Hours: 4 per week

■ PUB210 OCCUPATIONAL HEALTH & SAFETY 1

The basic concepts of occupational health and safety, such that they are identified as an area of concern in the workplace. Strategies for dealing with such problems, and the legislation, government agencies and health personnel associated with the workplace.

Courses: ME46, PU42
Credit Points: 8 Contact Hours: 4 per week

■ PUB211 OCCUPATIONAL HEALTH & SAFETY 2

Develops further the principles covered in PUB210 and PUB212 and highlights their practical application to the workplace. Students also develop knowledge and skills associated with the actual measurement of the physical and chemical working environment, physiological effects on humans in the workplace and evaluation of the data collected.
Courses: ME46, PU42, PU44
Prerequisite: PUB210 or PUB212
Credit Points: 8  Contact Hours: 4 per week

II PUB212 OCCUPATIONAL HEALTH & SAFETY
The basic concepts and theoretical framework of occupational health and safety as noted in PUB210; introduces students to the communication skills and devices relevant to the profession. Students participate in single and group activities to develop English expression, public speaking, debating and discussion group skills.
Courses: PU44, PU48
Credit Points: 12  Contact Hours: 5 per week

II PUB220 MEDICAL TERMINOLOGY
Exploration of the language of medicine; analyses medical terms into Latin and Greek word roots, prefixes, suffixes and combining forms. Medical terms which relate to specific body systems are defined, spelled and pronounced accurately; common abbreviations and symbols used in medicine are identified; abstracts from patient records are explained and interpreted in non-technical language.
Course: PU48
Credit Points: 12  Contact Hours: 3 per week

II PUB233 INFORMATION, EDUCATION & COMMUNICATION FOR HEALTH
A study of the processes of communication in the health fields. It covers person-to-person communication such as patient-professional communication; communication in small groups; public education for health; diffusion and adoption of new health-related behaviours; the role of information; the use of mass media; communication within health organisations.
Courses: HM42, PU48
Credit Points: 12  Contact Hours: 3 per week

II PUB241 HEALTH STUDIES
Overview of the nature of health in Australian society; serves as the foundation study in this minor from which a number of separate, more detailed studies emerge in level 2 and 3 units; an understanding of broad health issues and problems is essential to equipping health educators for their roles in promoting optimal health of Australians. These include addressing prevention of major risk factors and developing a commitment to promoting healthy lifestyles.
Course: ED41
Credit Points: 8  Contact Hours: 3 per week

II PUB251 INTRODUCTION TO PUBLIC HEALTH
Introduction to the philosophy and approach of public health; the traditional public health process; the multidisciplinary nature of public health; health policy and its impact on public health; some recent reformulations of traditional public health approaches including: health promotion, intersectoral action for health and healthy public policy. The role of public health in Australia and overseas, its main components and some of the constraints faced by public health.
Course: PU48
Credit Points: 12  Contact Hours: 3 per week

II PUB272 HOME ECONOMICS 2
The place of the consumer in the Australian economy; the consumer in the marketplace; alternatives to mass consumption; legal procedures; legal requirements regarding business transactions and business organisations; consumer protection; family and the law.
Course: PU49
Credit Points: 12  Contact Hours: 3 per week

II PUB276 HOME ECONOMICS 1
Art elements and principles; qualities of natural and non-natural materials; design process; design presentation; effects of changing technology on form and construction; ergonomics.
Course: PU349
Credit Points: 12  Contact Hours: 4 per week

II PUB299 HEALTH INFORMATION MANAGEMENT
An introduction to the principles of health record management and their application in hospitals; presents an overview of the interrelationships between the various processes of the medical record department and functionally related areas in health care facilities. Topics include: the structure, format and use of medical records, the function of medical record departments, quantitative analysis of medical records, and health information collection and retrieval systems, both manual and computerised.
Course: PU48
Credit Points: 12  Contact Hours: 4 per week

II PUB300 POLLUTION SCIENCE
The causes, effects, control measures, standards and legislation relating to land contamination and solid waste management.
Course: PU42  Prerequisites: CHB242, PHB250
Credit Points: 8  Contact Hours: 4 per week

II PUB301 ENVIRONMENT PROTECTION
The causes, effects, control measures, standards, legislation and management strategies relating to pollution and environmental protection.
Course: PU42  Prerequisites: PUB207, CHB242, PHB263
Credit Points: 8  Contact Hours: 4 per week

II PUB302 PODIATRIC MEDICINE
The health, social and economic implications of podiatric care in the general population with particular reference to specialised groups, e.g. children, diabetics, the aged and sports patients. It also provides foundation studies essential to the preclinical student in the diagnosis and treatment of conditions commonly manifest in the foot.
Course: PU45  Corequisite: PUB303
Credit Points: 8  Contact Hours: 4 per week

II PUB303 CLINICAL SCIENCE
On completion, students should be able to demonstrate competent operating skills; expertise in clinical observation of the patient and the elicitation of an accurate medical record; recognise common clinical entities and implement appropriate treatment and develop a professional attitude towards patients, clinical teaching and care of equipment.
Course: PU45  Corequisite: PUB302
Credit Points: 12  Contact Hours: 6 per week

II PUB304 PHYSICAL MEDICINE
Introduction to a wide range of diagnostic and physical treatment modalities used in modern podiatric practice. On completion, students should be able to understand the uses, applications, contraindications and limitations of each modality studied in direct connection with ongoing clinical studies and the theoretical component of podiatric medicine lectures.
Course: PU45  Prerequisite: LSB451
Credit Points: 8  Contact Hours: 3 per week

II PUB306 PHARMACOLOGY
Designed to ensure that students understand basic drug therapies their patients may be using, the groups of drugs used for specific diseases and their application and rel-
evance to podiatry and clinical podiatry. Emphasis is placed on drug groups and their use for specific disease, rather than proprietary brands. Students learn to recognise the drug groups and know the system they are acting on in the body. In addition, differentiation between the different groups within one group of systemic drugs and why they are used for a condition is emphasised.

Course: PUB323 HOME ECONOMICS: SOCIAL FOUNDATIONS
Home economics is concerned with the well-being of individuals and families; to achieve this goal, individuals must have an understanding of development from conception to old age, and a critical awareness of the social processes which influence this development; home economics issues.

Course: PUB323 HOME ECONOMICS CURRICULUM STUDIES 1
Provides students with a range of understandings and competencies for analysing, interpreting and managing home economics classrooms in order to maximise learning. Long and short term planning is explored with an emphasis on planning, implementing and evaluating lessons using a variety of strategies, resources and assessment techniques. The nature of home economics and how this is manifest in curriculum documents is examined.

Course: PUB323 HOME ECONOMICS CURRICULUM STUDIES 2
Encourages students to make independent judgements about home economics curriculum decision-making, within syllabus guidelines and broader systems policies concomitant within national and international trends in education and society. Students are given the opportunity to explore current issues and emerging and future trends in home economics and to develop a confident approach to school-based curriculum development. Advanced teaching strategies and current assessment procedures are developed.

Course: PUB325 SHELTER STUDIES
Critical aspects of shelter as a fulfilment of people’s basic needs; design, technology and legislation linked to decisions affecting provision of shelter for the differing needs of individuals and families.

Course: PUB325 SHELTER STUDIES 2
The linking of human physical and psychosocial needs, environmental and technological issues and design aspects to the effective provision of shelter, with emphasis being placed on the development of advanced skills and knowledge; environmental and technological aspects which have implications on shelter design for the wellbeing of the individual and families; effective design to accommodate changing family structures; legislative updates.

Course: PUB326 FOOD FOR HEALTH
Exploration of concepts which impinge on food-related behaviours and develop concomitant cognitive competencies. Students are encouraged to recognise that their own personal pro-active stance in relation to food-related health issues can contribute to better health for all Australians.

Course: PUB326 WOMEN’S HEALTH
Exploration of the data and health issues related to women's health; critically evaluates health-related policies, systems and practices in terms of their impact on women’s health.
**PUB337 HEALTH NEEDS OF SPECIFIC POPULATIONS**
The health needs of a range of specific population groups; considers the broad picture of actual differences in health status among population groups.

Course: ED50  
Prerequisites: PUB327  
Credit Points: 12  
Contact Hours: 3 per week

**PUB338 SUBSTANCE USE IN CONTEMPORARY SOCIETY**
An introduction to analytical models, statistical evidence and health education and health promotion strategies applicable to substance use and abuse, to familiarise students with the contemporary nature and extent of substance use in Australia; examines models and strategies to address these issues.

Course: ED50  
Credit Points: 12  
Contact Hours: 3 per week

**PUB339 FAMILIES & HOUSEHOLDS IN AUSTRALIA**
Examination of the emphasis on the family in home economics. Perspectives considered include: structural functionalist, symbolic interactional, conflict and feminist, whether the family provides an appropriate orientation for home economics.

Course: ED50  
Credit Points: 12  
Contact Hours: 3 per week

**PUB349 CONSUMER FOOD**
The role of the food industry in relation to lifestyles in modern societies; the scientific principles and operations involved in the preservation and manufacture of foods; the composition, the ingredients, the labelling and marketing methods of a representative range of commercial foods; current consumer issues such as the safety of food additives, food irradiation, consumer protection, new product development, food regulations and future trends in our food supply.

Courses: ED50, SC30  
Credit Points: 12  
Contact Hours: 3 per week

**PUB353 CONSUMER FOOD**
The use of relevant management principles, safe and hygienic work practices, effective communication skills, sound nutrition and mastery of techniques in food production and presentation.

Courses: ED50, PU49  
Prerequisites: PUB474  
Credit Points: 12  
Contact Hours: 3 per week

**PUB356 CLINICAL CLASSIFICATION 1**
Development of skills in one of the major specialties of health information management: clinical classification using the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM). Clinical classification responds to internal and external demands for medical information, for example, in-house research and education, ABS hospital morbidity data collections, and casemix information systems.

Course: PU48  
Prerequisites: PUB220, LSB142  
Corequisite: LSB361  
Credit Points: 12  
Contact Hours: 4 per week

**PUB357 NUTRITION ISSUES IN AUSTRALIA**
A background study into the nutritional issues which are impacting on the quality of Australian lives. These issues are divided into two broad frameworks: (1) the nutritional needs throughout the life cycle and the environmental factors which impinge on realisation of these needs and (2) the aetiology, incidence, outcomes and management of diet-related disorders.

Course: ED50  
Prerequisites: PUB319, PUB474  
Corequisite: PUB334  
Credit Points: 12  
Contact Hours: 4 per week

**PUB361 TEXTILES 2**
Continuation of PUB321. An understanding of textile consumer issues is developed by a study of relevant commercial enterprises and the implications for the consumer. Creativity is encouraged by students combining skills in pattern development with advanced techniques in constructing textile articles.

Course: ED50  
Prerequisites: PUB321  
Credit Points: 12  
Contact Hours: 4 per week

**PUB365 EVOLUTION OF WESTERN DRESS**
Evaluation of Western fashionable dress from ancient times to the present; the relationship between costume and the environment; influencing factors: social, aesthetic, political, economic, geographic, spiritual, technological emphasis on primary sources from the nineteenth and twentieth centuries; teaching strategies and resources.

Courses: ED26, ED50  
Credit Points: 12  
Contact Hours: 3 per week

**PUB369 TEXTILES: SUPERVISED PROJECT**
Students select and complete an indepth study in one or more methods of creating with textiles. The study includes the development of advanced technical skills and an investigation and evaluation of the corresponding commercial production.

Courses: ED50, PU49  
Prerequisites: PUB321 or PUB472 or equivalent  
Credit Points: 12  
Contact Hours: 3 per week

**PUB372 SHELTER STUDIES 1**
Housing tenure; advantages and disadvantages of ownership/tenancy; housing finance; housing for special groups; special needs in housing; interior environment; housing heritage.

Course: PU49  
Credit Points: 12  
Contact Hours: 3 per week

**PUB374 FAMILY STUDIES**
Definitions of the family; the family and society; social class and geographical differences in family patterns; influence of changing social conditions; socialisation and child rearing patterns; families in a multicultural society.

Course: PU49  
Credit Points: 12  
Contact Hours: 3 per week

**PUB381 INTRODUCTION TO APPAREL DESIGN & PRODUCTION**
Offers students an insight into the fashion industry. It also offers an opportunity for students to develop expertise in the area of women's fashion design. Students implement the design process through the production of apparel items. Emphasis is placed on production techniques used in cottage industry.

Course: ED50  
Prerequisites: PUB361  
Credit Points: 12  
Contact Hours: 4 per week

**PUB399 HEALTH INFORMATION MANAGEMENT 2**
Continuation of PUB299. There is an emphasis on analysis and improvement of health information management throughout hospitals. The examination of health information services will move outside the medical record department of hospitals to wards, bed allocation and admission offices, accident and emergency departments, outpatient and allied health services and other specialised hospital services such as radiology, pharmacy and pathology. Skills in health data management, forms design and statistical presentation of hospital or health service activities are developed.

Course: PU48  
Prerequisites: PUB399 and a one-week practicum  
Credit Points: 12  
Contact Hours: 4 per week
• PUB404 CLINICAL SCIENCE 2
At this stage students are able to follow cases through to observe the short-term effect of therapy and are expected to commence case studies to develop comparative and recording skills. Students should now be adopting the standard medical terminology and abbreviations used in clinical situations.
Course: PU45  Prerequisite: PUB303
Credit Points: 12  Contact Hours: 9 per week

• PUB405 HUMAN NUTRITION
Human nutrition provides a solid basis of nutrition knowledge upon which studies in nutrition may be built. It examines the sociology of food in providing required nutrients. Topics include the science of nutrients, applied nutrition and introduces tools used in basic nutritional assessment.
Courses: PU49, SC30
Prerequisites: LSB305 or LSB308
Credit Points: 12  Contact Hours: 5 per week

• PUB410 MEDICINE
Following completion of this unit, students should be able to recognise and understand the clinical features, pathogenesis and significance of common conditions affecting the lower limbs and the surgical treatment of systemic conditions as seen by the podiatrist, i.e. diabetes; provides an understanding of the special problems associated with children and specific lower limb conditions with emphasis on the surgical techniques used in their treatment.
Course: PU45  Prerequisite: PUB503
Credit Points: 8  Contact Hours: 3 per week

• PUB411 ORTHOPAEDICS
Emphasis on orthopaedic surgery; develops a detailed knowledge of general and specific orthopaedic conditions which have an effect on the lower limbs and the surgical treatment of systemic conditions as seen by the podiatrist, i.e. diabetes; provides an understanding of the special problems associated with children and specific lower limb conditions with emphasis on the surgical techniques used in their treatment.
Course: PU45  Prerequisite: PUB303
Credit Points: 8  Contact Hours: 3 per week

• PUB414 HOME ECONOMICS APPLIED CURRICULUM
Issues relating to home economics education; bases for curriculum decision making; nature and structure of home economics; syllabus implementation; innovation; issues that affect home economics.
Course: ED26
Prerequisites: CUB410 or equivalent and curriculum implementation studies at Diploma of Teaching level
Credit Points: 12  Contact Hours: 4 per week

• PUB421 PODIATRIC MEDICINE 2
The foundation for study in the role of therapeutics in patient management including short-term and long-term management of conditions. It expands the range of understanding of the wide variety of conditions presented to the podiatrist. On completion, students should have developed an understanding of the biomechanical principles affecting the joints of the foot and the structural and functional consequences presenting in podiatric practice.
Course: PU45  Prerequisite: PUB302
Credit Points: 12  Contact Hours: 6 per week

• PUB422 PODIATRIC ANAESTHESIOLOGY
Provides a sound understanding of the science of anaesthetics as applicable to the practice of podiatry. Students are required to understand the pharmacology of local anaesthetics and their clinical usage, and be competent in injection techniques, including local infiltration and local nerve block in the lower limbs.
Course: PU45  Prerequisite: PUB421
Credit Points: 8  Contact Hours: 2 per week

• PUB423 FOOD & NUTRITION
Nutrition is an important factor in the provision of health, and prevention and management of many disease states. This unit provides an overview of concepts fundamental to an appreciation of the role of nutrition in health care. Topics include: the chemical nature, digestion, absorption and assimilation of nutrients; nutrients provided by the food groups; food selection for a healthy diet; nutrient requirements in particular clinical situations.
Courses: NS40, NS48  Prerequisite: LSB281
Credit Points: 8  Contact Hours: 3 per week

• PUB431 ECONOMIC EVALUATION OF HEALTH SERVICES
Economic evaluation of health services; the application of cost analysis, cost effectiveness analysis, cost utility analysis and cost benefit analysis to health programs; problem identification and definition, identifying and valuing costs and benefits, externalities, decision rules and reporting. Not offered in 1996.
Course: PU48  Prerequisite: PUB531
Credit Points: 12  Contact Hours: 3 per week

• PUB440 CLOTHING DESIGN
This unit provides an opportunity for teachers to study in this area at a greater depth than that available in the pre-service units. It allows for critical evaluation of influences of the fashion industry, pattern making, clothing construction and the teaching strategies and resources available.
Course: ED26
Credit Points: 12  Contact Hours: 3 per week

• PUB441 NUTRITION EDUCATION
Biochemical approaches to nutrition; history and evolution of nutrition; popular nutrition literature; development of a philosophy of nutrition.
Courses: ED26, ED50, ED51, PU49
Credit Points: 12  Contact Hours: 3 per week

• PUB456 CLINICAL CLASSIFICATION 2
Students will learn to abstract and interpret the information recorded in client/patient medical records. Develop an understanding of the clinician’s response to various disease processes and how this information presents in the medical record. A significant component of the unit will involve coding from hospital medical records on-site in an acute care setting. Students become proficient in the use of clinical classification using ICD-9-CM.
Course: PU48
Prerequisites: LSB142, LSB361, PUB220, PUB356
Credit Points: 12  Contact Hours: 4 per week

• PUB472 TEXTILE SCIENCE & TECHNOLOGY
Overview of textiles and textile evaluation; fibres; yarns; fabric construction; finishing treatments; colour and its application to textiles; textile care; textile end-use; principles and practice of textile performance evaluation.
Course: PU49  Prerequisites: CHB259 or equivalent
Corequisite: PUB405
Credit Points: 12  Contact Hours: 4 per week


- **PUB474 FOOD STUDIES**
  The behaviour of foods; nature, properties and behaviour of major nutrients in food; interaction between major ingredients in certain foods.
  
  **Courses:** PUB49, ED50
  **Corequisite:** CHB259
  **Credit Points:** 12
  **Contact Hours:** 6 per week

- **PUB478 FOOD SCIENCE & TECHNOLOGY**
  The role of the food industry in modern society; issues and problems facing consumers and the food industry; food preservation principles; unit processes in the food industry; commercially available food; product development; food technology workshop.
  
  **Courses:** PUB42, PUB49
  **Prerequisites:** LSB301, LSB405 or equivalent
  **Credit Points:** 12
  **Contact Hours:** 5 per week

- **PUB481 POLLUTION SCIENCE 2**
  The causes, effects, control measures, standards and legislation relating to water, air and noise pollution.
  
  **Course:** PUB42
  **Prerequisites:** CHB242, PHB263
  **Credit Points:** 12
  **Contact Hours:** 5 per week

- **PUB482 OCCUPATIONAL HEALTH**
  Basic concepts of toxicology and the body's responses to toxic substances; basic disease processes in humans and the various agents in the workplace adversely affecting the health of workers.
  
  **Course:** PUB44
  **Prerequisite:** LSB242
  **Credit Points:** 12
  **Contact Hours:** 5 per week

- **PUB483 ERGONOMICS 1**
  The structure and function of relevant body systems and the ways in which the work environment and work tasks can impact on normal functions; occupational biomechanics; biomechanical modelling; anthropometry; manual handling; tool and equipment design; the effects of physical factors such as lighting, temperature and humidity on human performance; ergonomics methodologies.
  
  **Course:** PUB44
  **Prerequisite:** MEB035
  **Credit Points:** 8
  **Contact Hours:** 3 per week

- **PUB485 OCCUPATIONAL HYGIENE 1**
  The field of occupational hygiene and the theory of occupational hygiene in the management of hazardous substances; the uses and limitations of a range of sampling and analytical equipment in the measurement and assessment of workplace particulates.
  
  **Course:** PUB44
  **Prerequisite:** CHB242
  **Credit Points:** 12
  **Contact Hours:** 4 per week

- **PUB499 HEALTH INFORMATION MANAGEMENT 3**
  Health information systems outside acute care hospitals; special purpose health record systems; ambulatory health record systems; and those used in health care facilities other than acute care hospitals, systems for the registration and notification of disease and health problems, classical classification systems other than ICD-9-CM and nomenclatures, which may be used in specialised health settings; concepts and processes of quality assurance in health (e.g. accreditation, criteria, audits, etc.).
  
  **Course:** PUB48
  **Prerequisite:** PUB399
  **Credit Points:** 12
  **Contact Hours:** 4 per week

- **PUB502 DERMATOLOGY**
  An appreciation of the many varieties of skin lesions and their particular relevance when found in the lower limbs. The lecture program consists of classification of skin disease, vascular varicose group, varicelias, ulcers, peripheral vascular disease, tumours, eczema, dermatitis, allergy, immunity, infections, infections, squamous eruptions, nails and hair, skin manifestations of internal disease, pharmacology and general therapeutics. The clinical sessions utilise this information in allowing students the opportunity to see and diagnose many of these conditions.
  
  **Course:** PUB45
  **Prerequisites:** PUB410, PUB421, PUB503
  **Credit Points:** 8
  **Contact Hours:** 3 per week

- **PUB503 PODIATRIC MEDICINE 3**
  Develops professional understanding of the general and specific effects of medical and surgical conditions on the foot. Also expands the concept of total case management in terms of the interdisciplinary approach, including physical, mechanical and surgical techniques. Completion of this unit should enable students to consolidate the podiatrist's role in the health care team across the spectrum of practice.
  
  **Course:** PUB45
  **Prerequisite:** PUB421
  **Credit Points:** 8
  **Contact Hours:** 3 per week

- **PUB504 CLINICAL SCIENCE 3**
  On completion, the student should be able to consolidate skills acquired in operative mechanical, chemical and physical therapy and to demonstrate expertise in the treatment of the diabetic arthritic foot, and related circulatory and neurological disorders. Diagnostic skills are also developed with the wider range of patients being treated and the specialised study of disciplines such as dermatology and radiology, further integrating academic and clinical studies.
  
  **Course:** PUB45
  **Prerequisites:** PUB404, PUB421
  **Corequisite:** PUB304
  **Credit Points:** 8
  **Contact Hours:** 12 per week

- **PUB505 PODIATRIC SURGERY**
  Implementation of podiatric surgical techniques based on strong theoretical knowledge. On completion, students should understand the principles and techniques of lower limb surgery.
  
  **Course:** PUB45
  **Prerequisites:** PUB422, PUB410
  **Corequisite:** PUB603
  **Credit Points:** 8
  **Contact Hours:** 3 per week

- **PUB512 ERGONOMICS 2**
  Application of industrial and organisation psychology to the industrial environment; examination of key individual, social and organisational factors contributing to health and safety at work; an appreciation of the interface between humans, machines and the environment, information processing and learning, stress, job design, job satisfaction and work schedules.
  
  **Course:** PUB44
  **Prerequisites:** PUB483, SSB914
  **Credit Points:** 12
  **Contact Hours:** 4 per week

- **PUB513 EPIDEMIOLOGY & DISEASES**
  Enables students to become familiar with the terminology used in the epidemiology and the study of diseases; includes the conducting of various types of study including the analysis of data in the workplace; topics include: the causes and preventative factors of the most common non-infectious diseases, their incubation periods, modes of infection and transmission of infectious diseases, and the principles and applications of vaccination.
  
  **Course:** PUB42, PUB44, PUB48
  **Credit Points:** 12
  **Contact Hours:** 4 per week

- **PUB516 OCCUPATIONAL HEALTH & SAFETY PRACTICE 1**
  Investigation of management principles and practices as they may be applied to resolve occupational health and safety problems; an examination of industrial relations processes and the legal framework within which occupational health and safety is addressed; field studies are used to provide students with a practical insight into the application of the principles to which they have been introduced.
Course: PUB520 ENVIRONMENTAL HEALTH MANAGEMENT 1
Corequisite: PUB520, PUB545
Credit Points: 12
Contact Hours: 4 per week

■ PUB518 FOOD HYGIENE STUDIES
The various types of food poisoning; food poisoning investigation techniques; laboratory procedures and interpretation of results.
Course: PUB42
Prerequisites: LSB431, PUB207, PUB478
Credit Points: 8
Contact Hours: 4 per week

■ PUB520 ENVIRONMENTAL HEALTH MANAGEMENT 1
Management of an environmental health unit; legal and professional procedures associated with the duties of environmental health officers.
Course: PUB42
Prerequisites: PUB207, PUB481
Credit Points: 12
Contact Hours: 5 per week

■ PUB528 HEALTH ADMINISTRATION PROJECT
Enables students to do follow-up work of a practical nature in an area of interest to them. Before being admitted to this unit, students must have completed all the required coursework in the discipline area of the proposed project. Projects may be undertaken in any of the discipline areas covered by the degree, e.g. health economics; law; health finance; health information management; health management; statistics; epidemiology; etc. Individually or in small groups. Projects must have prior approval and are closely supervised. Being of a practical nature, projects are undertaken in a health or medical care delivery setting, e.g. hospital medical record department; group practice; local authority health department; state health department.
Course: PUB48
Credit Points: 12
Contact Hours: 3 per week

■ PUB529 HEALTH PLANNING & EVALUATION
The concept and processes of program management; health planning in a program management context; issues relating to community participation in health planning, planning for accountability, planning for future evaluation, as well as the steps in program planning; resources management and health resource inventories; the judgments of evaluation research applied to health programs.
Course: PUB48
Credit Points: 12
Contact Hours: 3 per week

■ PUB531 HEALTH CARE ECONOMICS
Application of economic analysis to the health care industry; an examination of the demand for health care, the supply of and market for health care.
Course: PUB48
Prerequisite: EPB150 or EPB104
Credit Points: 12
Contact Hours: 3 per week

■ PUB533 INTERNATIONAL HEALTH CARE SYSTEMS
Makes students aware of how different countries have organised their health delivery systems. The comparisons are historical and economic. Analysis is made of the growth of the welfare state in a number of countries, e.g. United Kingdom, USA, Sweden, Canada, with particular reference to the organisation and delivery of health services. International organisations working in health are studied. Students are introduced to the distribution of diseases in both the West and the Third World; the distribution of health and material resources; international agencies; aid programs and their roles; functions, effectiveness and coordination problems. Not offered in 1996.
Course: PUB48
Credit Points: 12
Contact Hours: 3 per week

■ PUB540 THE HOME ECONOMIST AS A COUNSELOR
The counselling process; major approaches to counselling; models of helping and the helping relationship; communication skills; the home economist as counselor; moral, ethical and legal responsibility of the home economist as a helping professional.
Course: PUB49
Prerequisites: PUB574, SSB961 or equivalent
Credit Points: 12
Contact Hours: 3 per week

■ PUB552 NUTRITION ISSUES IN AUSTRALIA
Evaluation of nutritional information; psychology of food; methods of assessing nutritional status; nutritional disorders; community, remedial and nutrition education programs.
Courses: ED50, PUB49
Prerequisite: PUB319 or equivalent
Credit Points: 12
Contact Hours: 4 per week

■ PUB556 FOOD PRESENTATION & PROMOTION
Advanced techniques and complex skills of food production and presentation; commercial production and presentation of food; production and presentation of food for photography or display purposes; food demonstrations; special occasion cookery.
Course: PUB49
Prerequisite: PUB474 or equivalent
Credit Points: 12
Contact Hours: 6 per week

■ PUB572 APPAREL DESIGN 1
Factors influencing garment and household goods designs; design development; yarn structure; techniques of fabric construction and decoration; the textile industry.
Course: PUB49
Prerequisite: PUB272 or equivalent
Credit Points: 12
Contact Hours: 4 per week

■ PUB574 HOME ECONOMICS 3
The family as a social system; resources and constraints related to the life cycle; management in the family context; the family in Australia; managing finance.
Course: PUB49
Prerequisite: PUB272 or equivalent
Credit Points: 12
Contact Hours: 3 per week

■ PUB575 HOME ECONOMICS PRACTICUM
Experience in working in industry, commerce or government; placement in a number of organisations for 10 weeks.
Course: PUB49
Prerequisite: COB160 or equivalent
Credit Points: 12

■ PUB580 HEALTH ADMINISTRATION FINANCE
Fund/accrual accounting; financial administration in Commonwealth and state government; financial management in the health industry; financial analysis; planning and budgeting, working capital management in the health industry; health care performance and evaluation.
Course: PUB48
Credit Points: 12
Contact Hours: 3 per week

■ PUB582 APPAREL DESIGN 2
The design and production of a range of apparel suitable for a specific client group, for example, corporate wear; department store; large mass market; detailed research of client needs, textile specification and evaluation and costing; develops to an advanced level knowledge, understanding and processes established in PUB572.
Course: PUB49
Prerequisite: PUB572
Credit Points: 12
Contact Hours: 4 per week

■ PUB585 OCCUPATIONAL HYGIENE 2
Continuation of PUB495; concentrates on the application of the principles to which the student has already been introduced; extends the student's ability to recog-
The consumer market; product development; critical path analysis and network planning; idea generation and product evaluation; feasibility study and product cost analysis; quality assurance; the production and marketing of products; career prospects.

Course: PUB49
Prerequisites: PUB478 or equivalent
Credit Points: 12
Contact Hours: 3 per week

PUB590 PRODUCT DEVELOPMENT & MARKETING

The importance of a multidisciplinary approach to the diagnosis, evaluation and treatment of sports injuries. Students study the symptomology of lower limb functional pathologies as related to specific sports and devise treatment programs. An understanding of the principles of human fitness and potential in relation to athletic injuries and expectations forms the foundation for further studies.

Course: PUB45
Prerequisites: PUB503, PUB410
Corequisite: PUB411
Credit Points: 8
Contact Hours: 3 per week

PUB600 HEALTH MANAGEMENT

A problem-solving approach which relates the science of management to decision making and control in health services administration. Management science (operations research) techniques are learned and applied in case studies from the health industry.

Course: PUB48
Prerequisites: 16 units in PUB48
Credit Points: 12
Contact Hours: 3 per week

PUB601 SPORTS MEDICINE

Prepares the student for the transition to private practice. Students are introduced to the sports medicine patient in terms of the range of injuries which occur affecting the lower back, hip, knee, ankle and foot. Case presentations are an integral part of clinical learning and sessions conclude with exchange between students and staff over case management.

Course: PUB45
Prerequisite: PUB504
Credit Points: 8
Contact Hours: 12 per week

PUB602 PROJECT & PROFESSIONAL MANAGEMENT

This unit explains firstly how a professional practice may be set up and how a small practice can operate as a business enterprise. Methods of budgeting, finance and control are explained. Secondly it develops an interest in podiatry research using scientific methods of investigation and presentation. Students are encouraged to publish these projects as original material in related professional journals.

Course: PUB45
Credit Points: 8
Contact Hours: 3 per week

PUB603 CLINICAL SCIENCE 4

Experience working in industry, commerce or government; placement in an organisation one day per week; ethics; professional practice; current issues.

Course: PUB44
Prerequisite: PUB516
Credit Points: 8
Contact Hours: 2 per week

PUB604 HEALTH INFORMATION MANAGEMENT 4

The role and function of the health information manager in the management of health care services; the principles and processes of management as applied to health information services; current issues in health information management.

Course: PUB48
Prerequisites: PUB499, PUB456
Credit Points: 12
Contact Hours: 4 per week

PUB605 ENVIRONMENTAL HEALTH MANAGEMENT 2

Integration of the student's theoretical understanding of physical and biological sciences and application of such to the management of a range of environmental health...
problems encountered in the professional practice of an
environmental health officer.
Course: PU44  Prerequisites: PUB520, PUB481
Corequisite: PUB481
Credit Points: 12  Contact Hours: 6 per week

■ PUB621 ENVIRONMENTAL HEALTH
PRACTICE
Visits to all types of establishments in environmental
health management, pollution sciences and food studies
for the purpose of practical demonstration, evaluation
and professional experience.
Course: PU42  Prerequisites: PUB481, PUB520
Corequisite: PUB620
Credit Points: 12  Contact Hours: 6 per week

■ PUB622 ENVIRONMENTAL HEALTH
PROJECT
Through independent work under the guidance of
supervisors, students learn to appreciate the connection
between their theoretical studies and practical aspects
of environmental health. Practice is gained in research
techniques, logical reasoning and presentation of re­
search findings.
Course: PU42  Prerequisites: PUB520, LSB408
Credit Points: 8  Contact Hours: 4 per week

■ PUB631 NUTRITIONAL BIOCHEMISTRY
The digestion, absorption and metabolic assimilation of
nutrients; hormonal control of metabolism; the role of
drugs; genetic and environmental influences; significant
parameters measured in clinical laboratories examined
in a variety of health and disease states; diet and exercise
for health; starvation; obesity; diabetes mellitus;
cardiovascular disease; renal disease; liver disease; al­
cohol consumption; physiological and traumatic stress.
Course: PUB42  Prerequisites: PUB4245, PUB405
Credit Points: 8  Contact Hours: 5 per week

■ PUB634 HEALTH SERVICES EVALUATION
A study of process evaluation, program evaluation and
evaluation research with applications to the health field;
designed for health professionals in both the administra­
tion and practice areas. Theory, practice, the utilisation
of evaluation results and the administration of evaluation
studies are emphasised in this unit. Addresses topics such
as quality assurance, utilisation, review and accreditation.
This unit has been superceded but may be offered for the
last time in 1996, subject to student numbers.
Course: PU48  Prerequisite: PUB646
Credit Points: 12  Contact Hours: 3 per week

■ PUB651 CASEMIX MANAGEMENT
History and development of casemix classification sys­
tems; structure of AN-DRGs; casemix applications in
quality improvement, utilisation review, costing, plan­
ning and management; casemix and funding health care
services; casemix classification systems for acute in­
patients; data quality issues; casemix grouping software;
current casemix initiatives and applications.
Course: PU48
Credit Points: 12  Contact Hours: 3 per week

■ PUB653 PROFESSIONAL EXPERIENCE
This unit provides an opportunity to increase knowledge
and level of understanding of health information
management in health care facilities through direct obser­
vation and participation. The managerial role of the health
information service with medical, administrative and
allied health professionals; reinforcement of clinical clas­
sification skills by coding from medical records.
Course: PU48
Prerequisites: PUB356, PUB399, PUB456
Corequisite: PUB499
Credit Points: 12  Contact Hours: 6 per week

■ PUB655 HEALTH POLICY AND PLANNING
How health policy is created; the role of vested inter­
est; the role of the mass media; an appreciation of the
difference between policy in use and espoused policy;
analysis of health policy using analytical frameworks;
health policy impact; policies pertaining to special
groups.
Course: PU48
Credit Points: 12  Contact Hours: 3 per week

■ PUB657 HUMAN RESOURCES IN HEALTH
The development of skills in human resource manage­
ment in the health care industry. Topics include; human
resource needs analysis; human resource planning; sup­
ply and demand of health personnel; recruitment, selec­
tion and training of health personnel; job descriptions;
industrial relations in the health industry; health worker
performance and job satisfaction; health teams and multi­
skilling; leadership and management in the health in­
dustry. Not offered in 1996.
Course: PU48  Prerequisite: HRB131 or MGB207
Credit Points: 12  Contact Hours: 3 per week

■ PUB659 MANAGEMENT OF HEALTH SERVICES
This unit represents the capstone core unit for both the
Health Administration and Health Information
Management majors. This unit will exercise the ‘manager’ in
the student and prepare them for middle and senior level
management positions. Topics include: SWOT analysis;
vision, mission and culture; stakeholder analysis and
achieving win-win negotiations; thinking strategically;
best practice and benchmarking in health.
Course: PU48
Prerequisites: 16 units in the Health Administration or
HIM major
Credit Points: 12  Contact Hours: 3 per week

■ PUB674 BUSINESS ORGANISATIONS
The structure of business organisations; types of organi­
sations; business objectives, strategies and policies; func­
tions within business organisations; the role of unions
and the nature of industrial relations in Australia; wom­
en’s issues.
Course: PU49  Prerequisites: PUB272 or equivalent
Credit Points: 12  Contact Hours: 3 per week

■ PUB675 HOME ECONOMICS 4
The conceptual, theoretical and philosophical
foundations of home economics; societal issues relating to
the provision of food, textiles and shelter; a critical exami­
nation of social, economic, technological and ethical
issues on individual and family wellbeing.
Course: PU49  Prerequisite: PUB574
Credit Points: 12  Contact Hours: 3 per week

■ PUB695 INDUSTRIAL TRAINING
EXPERIENCE
Ten to twelve-month placement in paid employment re­
lated to the Bachelor of Applied Science (Occupational
Health and Safety) under the joint supervision of an indus­
try supervisor and an academic adviser. The academic
adviser obtains reports from the student and their work
supervisor at regular intervals. The student is required
to complete a progressive assessment program. Results
are determined on the basis of reports, continuous as­
seessment and the employer’s report.
Course: PU44
Prerequisites: Satisfactory completion of the first two
years (96 credit points) of the Bachelor of Applied Sci­
ence (Occupational Health & Safety), normally with a
GPA of not less than 4.5 overall
Credit Points: 20

■ PUN600 DISSERTATION
 Undertaken by full-time Master of Public Health students
following successful completion of coursework. This unit is intended as a practicum, offering experience in investigating and/or solving a public health problem.

Course: PU85  Credit Points: 48

- **PUN601 CONTEMPORARY HEALTH POLICIES**
An examination of the social, political, geographical and economic factors which have shaped the organisation of health care services at local, national and/or international levels; funding and resource management; the level and nature of responsibility for health care and health care maintenance; planning for structural change.

Courses: HL88, IF64, LS85, NS62, NS85
Credit Points: 12  Contact Hours: 3 per week

- **PUN602 HEALTH PLANNING, MANAGEMENT & EVALUATION**
Application of the theory and principles of planning, management and evaluation to health services; a detailed analysis of health services planning techniques; information requirements and decision making for the strategic management of health services; the principles of financial and personnel management required for the effective development and utilisation of health care; process and program evaluation in health services; the appreciation of evaluation research and cost-effectiveness.

Courses: HL88, LS85, NS85
Credit Points: 12  Contact Hours: 3 per week

- **PUN607 DISSERTATION**
Undertaken by part-time Master of Public Health students following successful completion of coursework. The unit is intended as a practicum, offering experience in investigating and/or solving a public health problem.

Course: PU85  Credit Points: 48

- **PUN608 HEALTH ECONOMICS & FINANCE**
This subject is designed to introduce students to some elementary microeconomic theory and its application to economic issues in the health sector. Aspects of health care financing are discussed in the context of their impact upon the market for health care services in Australia and abroad. Some fundamental principles of public finance are also addressed.

Courses: HL88, IF64, PU85, PU60, HL68
Credit Points: 12  Contact Hours: 3 per week

- **PUN609 HEALTH CARE FINANCE**
The financial management aspects of health care delivery in Australia; sources of finance at federal, state and local government levels; priority setting; budgetary processes; responsibilities for provision of various services.

Courses: HL88, HL88, IF64
Credit Points: 12  Contact Hours: 3 per week

- **PUN610 HEALTH SERVICES MANAGEMENT**
This subject is designed to assist health service managers to understand their roles, duties and responsibilities and to investigate relevant roles, principles, models, or modus operandi that may be available to guide their actions. It reviews some of the classical and more modern approaches to management and examines their relevance and application in the management of health services. In this way the health service manager's role and responsibility should become clear. Some guiding principles will emerge from which the manager can select, depending on the circumstances and type of the decision required.

Courses: HL88, IF64, NS85, PU85, PU60, HL68
Credit Points: 12  Contact Hours: 3 per week

- **PUN611 COMMUNITY HEALTH PLANNING**
This subject deals with the principles and methods of planning for health development in the community. It explores a number of models of health planning and the role of key groups and decision-makers in developing plans. Community participation and empowerment is discussed together with constraints and feasibility associated with health planning. The subject examines, using a social and economic development perspective, the complex relationships between communities, health, planning and evaluation. The contribution of a range of disciplines is explored, as well as the importance of resources and information. It is essentially a practical course which introduces principles and theory at appropriate points. Students are required to produce a Health Plan which is applicable to the health related organisations and structures in Queensland.

Courses: PU85, PU60
Credit Points: 12  Contact Hours: 3 per week

- **PUN612 ADVANCED HEALTH EVALUATION**
This subject deals with the principles, methods and problems of evaluation in the health sector, and in particular as they apply to public health programs and to the effectiveness of the health services generally. It is designed to equip the public health worker with the knowledge, confidence and skills to initiate a piece of evaluation research. A problem solving approach is adopted throughout the course.

Courses: IF64, PU85, PU60
Credit Points: 12  Contact Hours: 3 per week

- **PUN613 HEALTH PROMOTION PLANNING & EVALUATION**
This subject covers the nature and scope of health promotion program planning and evaluation from an examination of international and national public health and health promotion policy guidelines and frameworks, including National Goals and Targets for Health, as well as regional and local government initiatives to promote the health of the population. Public health practitioners are likely to be engaged in the development, implementation and evaluation of health promotion programs to meet the needs of a diverse range of population groups. This subject engages practitioners in an analysis of the theoretical principles of program planning and evaluation, and their application in practice. It is designed to enhance student skills in the development, implementation and evaluation of health promotion programs.

Courses: IF64, HL88, PU85, PU60
Credit Points: 12  Contact Hours: 3 per week

- **PUN617 ENVIRONMENTAL HEALTH MANAGEMENT**
This subject considers environmental health management as an important component in resolving health threatening hazards in the community. Topics include: history of environmental and community health and the approaches to preventive health including the 'old' and 'new' public health; the concepts of environmental health and the reduction of life threatening hazards in the community; the legal system and its approach to environmental legislation and environmental health legislation; a critical review of existing legislation and its effectiveness; the administrative system and political system and the role of government in formulating public health policy and its effect on environmental health decision making; the relevance of the structure and function of the Commonwealth, State and Local Government of Australia for environmental health programs; the professional role of environmental health officers and a detailed analysis of Acts, regulations and policies relevant to environmental health.

Courses: HL88, PU85, PU60, HL68
Credit Points: 12  Contact Hours: 3 per week
PUN618 ENVIRONMENTAL HEALTH MANAGEMENT 2
This unit builds on PUN617 and considers other relevant environmental health management issues which are an important component in resolving health threatening hazards in the community. Topics include: management principles, including the functions of planning, leading, controlling and coordinating in the environmental health setting; budgeting formats at all levels of government, including fiscal arrangements for public health policy initiatives; assessment of risk and environmental health policy delivery; modelling processes to calculate the best alternative for policy delivery; survey methodology and data collection and presentation to improve decision making in environmental health; a review of computer software to enhance decision making and office management systems and record and monitor legislative requirements in environmental health.
Course: HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN619 ENVIRONMENTAL HEALTH 1
Considers land as a major component of the environment and as a finite resource which must be properly managed to ensure continued health and well-being for individuals and communities. Examines land as a resource; management strategies and adverse pressures on this component of the environment. Adverse impacts considered include solid and hazardous waste generation and disposal; land contamination and strategies for prevention and management.
Course: HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN620 ENVIRONMENTAL HEALTH 2
This unit considers water and atmosphere as finite resources which must be properly managed to ensure continued health and well-being for individuals and communities. Examines water and atmosphere as resources; management strategies and adverse pressures on these components of the environment. Adverse impacts resulting from various forms of pollution and use are considered together with strategies for prevention and management of such issues.
Course: HL88, HL68
Credit Points: 12

PUN622 CLOTHING: THE HUMAN CONSTRUCTED ENVIRONMENT
Clothing has physiological, psychological and sociological connotations that affect the self-image and the social relationships of all people. For those who deviate from the norms, the physically disabled, the chronically ill, the mentally handicapped, the visually impaired, and those with extreme problems of weight and stature, these connotations become more important. In this unit of study the requirements of specific target groups are investigated and students will then be challenged to meet their needs through functional clothing design.
Course: HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN623 HOME ECONOMICS, THE FAMILY & THE POLITICS OF FEMINISM
Theories of family and the politics of feminism are investigated and the relationship between family and feminist thought are juxtaposed. Topics include: contextualising the study of feminism and the family in home economics; what is family?; sociology of the family; the family in Australia; history of feminist thought and current feminist thinking; feminism in Australia; critique of feminism; which way feminism?; feminism and the family; feminism and home economics; well-being of individuals and families - what does it mean?
Courses: ED13, HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN624 HOME ECONOMICS FOOD & NUTRITION
A significant factor influencing food patterns is the changing food market with concomitant political, psychosocial, economic, technical and ethical aspects affecting the supply of food to the consumer. Students are directed to research nutritional practices, and to understand the factors influencing such practices. This research will then form the basis for not only developing strategies for individuals accepting responsibility for their own food-related experiences, but also for examining critically existing nutrition education programs and recommended nutrition goals and guidelines. Topics include: the individual; the food supply; nutritional science; nutrition education.
Courses: HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN625 HOME ECONOMICS PHILOSOPHICAL FOUNDATIONS
An examination of relevant political, social, economic, technological and ethical issues which influence the well-being of individuals and families. Topics include: what is home economics?; societal issues; implications for home economics praxis; developing a personal philosophy of home economics.
Courses: ED13, HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN626 HOME ECONOMICS FIELD STUDY
Enables students to develop an area of their own choosing and to explore this in depth. The format and content of the program are negotiated between student and lecturer. However it is intended that the focus of the study be investigating home economics theory and practice within the school and/or community setting. Possible areas of study might include: education issues for home economics; home economics and feminism; family studies; human development; human relationships; food and nutrition; textiles; shelter; consumerism; management; design; environmental issues; technology. Areas available are determined by the expertise and research interests of the staff.
Courses: HL88 HL68
Credit Points: 12
Contact Hours: 3 per week

PUN627 ADVANCED PHARMACOLOGY
Topics include: an in-depth study of drugs relevant to pediatric practice; including their actions, indications, contraindications, adverse reactions, drug interactions and dosages; indications and contraindications and adverse effects of the use of antibiotics, sedatives, NSAIDs, analgesics, corticosteroids, epinephrine in relevant local anaesthetics; the actions of systemic drugs on the nervous system, cardiovascular, endocrine and musculo skeletal systems; prescription writing and drug regulations.
Courses: HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN628 CLINICAL PATHOLOGY & DIAGNOSIS
Provides students with advanced clinical management skills commensurate with the Master's Degree level of education: an important practical adjunct to the theoretical concepts of clinical pathology and associated diagnostic techniques; gives the podiatrist the opportunity to apply acquired knowledge in a supervised clinical environment facilitating a comprehensive approach to the evaluation and treatment of foot pathology in the community; students undertake the management of patients attending the QUT clinical facility.
Courses: HL88, HL68
Credit Points: 12
Contact Hours: 3 per week
PUN629 GENERAL MEDICINE
Provides an advanced level of knowledge necessary for an holistic medical approach to the management of disease processes. The relationship between pathogenesis and advanced therapeutic treatment is explored, designed to enhance the theoretical and clinical knowledge gained from the advanced pharmacology and clinical pathology/diagnosis units. Topics include: haematopoietic and lymphoid system; immune system; endocrine system; musculoskeletal system; hereditary and genetic; nervous system; cardiovascular system; gastrointestinal system; the liver, the biliary tract and the pancreas; respiratory system; the renal system.

Courses: HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN630 COMPUTERISED GAIT ANALYSIS
Students have the opportunity to further their study and understanding of human movement and gait analysis; and to enhance their clinical biomechanical assessment of a patient, thus allowing for better evaluation and treatment regimes. This is achieved using computerised video motion assessment and foot force assessment systems. Particular emphasis is directed to providing the student with the opportunity of applying this information to specialised areas of podiatric sports medicine.

Courses: HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN631 PODIATRIC SURGERY
Introduces professionals to the more technical aspects of foot surgery. It deals with pre-operative planning of procedures as well as post-operative complications. By the end of the unit students will gain sufficient knowledge to be able to make informed referrals to those qualified to perform appropriate procedures.

Courses: HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN641 CLINICAL DATA MANAGEMENT
Development of skills in data management systems and techniques used in clinical trials and epidemiological research. Methods of collecting and organising clinical data for research purposes; organisation of clinical trials; protocol design and interpretation; quality control and maintaining the integrity of trials; software applications for clinical data management; presentation skills in data management. Offered in 1996 subject to sufficient student numbers.

Courses: HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN642 CLASSIFICATION & CASEMIX IN HEALTH
The use of classification systems in health services and their applications; statistical classifications (such as ICD) and nomenclatures (such as SNOMED); specialist classification systems for different health care settings (e.g. hospitals, ambulatory care, general practice); the development; application and use of casemix classification systems, especially AN-DRGs. Offered in 1996 subject to sufficient student numbers.

Courses: HL88, NS62, NS85, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN643 HEALTH INFORMATICS
The use of information technology in health services; computers, telecommunications and electronic storage systems (such as optical disk); technical, financial, human resource management and legal issues associated with the use of health informatics; applications for health authorities, hospitals, other health institutions and private practice. Field trips are included. Offered in 1996 subject to sufficient student numbers.

Courses: HL88, NS64, NS85, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN644 CASE STUDIES IN HEALTH INFORMATION MANAGEMENT
Either individually or in groups, students analyse case studies, assess the situation and propose a solution or alternative solutions. The case studies are based on recent or current situations in local health care settings. Offered in 1996 subject to sufficient student numbers.

Courses: HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN692 HEALTH CARE DELIVERY SYSTEMS
This subject offers an overview of health care delivery systems, examining the context in which public health operates in Australia. It is an introduction to the health administration branch of public health, being concerned with the coordination of human, physical, financial and information resources at all levels, including international, national, state, regional, community, facility and program levels. Health care delivery is examined from an organisational perspective in its ability to solve exiting problems, to prevent future problems, and to promote good health.

Courses: PU64, PU60
Credit Points: 12
Contact Hours: 3 per week

PUN696 AN INTRODUCTION TO HEALTH PROMOTION
This subject introduces students to the discipline of health promotion, an essential component of study for students of public health. It places health promotion, and provides an overview of its role, within the context of public health. Provides a critique of the relationship between health promotion and contemporary public health, including health policy formation. Outlines the theories and principles underpinning health promotion, enabling students to evaluate the relationship between theory and practice. Provides a broad overview to policy formation, placing it within the social, environmental and economic policy context, and introducing students to health public policies advocacy and lobbying, as well as to social and organisational concepts and strategies. Overviews health promotion planning, implementation and evaluation, and enables students to critique the processes concerned through case study analysis.

Courses: PU85, PU60

PUP007 SOCIAL & BEHAVIOURAL EPIDEMIOLOGY
This subject focuses on the relationship between the determinants of health risk behaviour and health or disease outcomes.

Knowledge and skills of descriptive and analytical methodological approach gained in the Core subject "An Introduction to Epidemiology & Biostatistics" will be developed further in this subject to provide an understanding of the social and behavioural factors influencing health status and the risk of disease an understanding of theoretical models which may be used to describe both the development of and changes in health behaviours; and a framework for population health interventions. It will also enable students to become familiar with national and international population research studies and interventions which focus on the relationship between behavioural and social factors and health outcomes; to develop critical and objective analytical skills in relation to social and behavioural epidemiology data and its application to the processes of promotion of health and preventing disease; and to utilise both epidemiological information and appropriate models of intervention in
the development of health promotion interventions. Skills enabling critical and objective analysis of social and behavioural epidemiological data and its application to the process of promotion of health and preventing disease will be developed as will the ability to utilise both epidemiological information and appropriate models of intervention in the development of health interventions.

Courses: HL88, PU69, PU85, PU60  
Credit Points: 12  
Contact Hours: 3 per week

PUP010 HEALTH IN AUSTRALIAN SOCIETY

Addresses significant issues associated with the multifactorial relationships between health and social, economic, political and lifestyle factors. Examination of the structure of Australian society as it impacts on health; patterns of mortality and morbidity and the nature and extent of health care delivery systems.

Courses: HL88, IF64, PU65, PU69, HL68  
Credit Points: 12  
Contact Hours: 3 per week

PUP012 PROGRAM EVALUATION

An introduction to the role of evaluation in a broad range of health education and promotion contexts. The unit focuses on the development of skills in program evaluation through analysis and interpretation of current evaluation literature and the development of evaluation proposals.

Courses: PU69  
Credit Points: 12  
Contact Hours: 3 per week

PUP014 SCHOOL HEALTH EDUCATION

Introduction to the field of school health education. Focuses on the nature, scope and place of school health education in the total school environment; major issues facing schools and educators involved in developing and implementing school health education; structural and organisational factors impacting on program development.

Courses: HL88, PU69  
Credit Points: 12  
Contact Hours: 3 per week

PUP018 HEALTH PROMOTION STRATEGIES

Examines and analyses the process of selection and implementation of appropriate strategies for promoting health; a broad range of theories, methods and strategies focusing on promoting health across a range of settings.

Courses: HL88, NU64, NS54, NS55  
Credit Points: 12  
Contact Hours: 3 per week

PUP021 CASE STUDIES ON CONTEMPORARY HEALTH ISSUES

Focuses on current issues facing practitioners in health education and promotion. Includes critical analysis of strategies and policies designed to address contemporary health issues and encourages students to become informed and critical practitioners.

Courses: HL88, NS64, NS85, PU69  
Credit Points: 12  
Contact Hours: 3 per week

PUP022 HEALTH PROMOTION CONCEPTS & POLICY: A CRITICAL ANALYSIS

Essential advanced study for practitioners engaged in the application of health promotion strategies. Acknowledges the importance of knowledge and skills to reduce behaviours risks; however, it emphasises the significant strategies and policies of health promotion including healthy public policy, social and political elements of health, laws and regulations and leadership and advocacy.

Courses: HL88, IF64, PU69  
Credit Points: 12  
Contact Hours: 3 per week

PUP023 PROGRAM PLANNING IN SCHOOL & COMMUNITY HEALTH

Major components of health education and health promotion: the planning and implementation of intervention strategies and comprehensive programs. Provides a conceptual synthesis of the foundation of health education and promotion and analyses models of program planning and evaluation.

Courses: HL88, PU69  
Credit Points: 12  
Contact Hours: 3 per week

PUP024 FOUNDATIONS OF HEALTH EDUCATION

Introduction to the theoretical and practical dimensions of health education as a major component of the process of health promotion. This unit introduces knowledge, skills and practices necessary to implement health education strategies.

Courses: HL88, PU62, PU69  
Credit Points: 12  
Contact Hours: 3 per week

PUP025 COMMUNITY HEALTH PROMOTION

The field of health education and health promotion specifically focusing on the nature of the community health and environment promotion; examines the environmental, social and educational elements supporting and encouraging behaviours conducive to health.

Courses: HL88, NU65, NS54  
Credit Points: 12  
Contact Hours: 3 per week

PUP027 INDEPENDENT STUDY

Research work in an area of personal or professional interest to the student in the health sciences. The focus may be one of specific content area or process in health education or health promotion. Involves liaison with academic adviser.

Course: PU69  
Credit Points: 12

PUP109 NUTRITION

A comprehensive study of the nutritional sciences building on students' backgrounds in physiology, biochemistry and nutrition. Topics include: food composition databases; food commodities; factors affecting food choice; factors affecting access to food; barriers within Australia; public health nutrition; food grouping systems; dietary guidelines and the food needs of various groups in the community.

Course: PU62  
Credit Points: 12  
Contact Hours: 5 per week

PUP110 NUTRITIONAL EPIDEMIOLOGY

Statistics; validity; reliability; assessing nutritional studies; data management; interpretation of results. During the semester students have the opportunity to gather data, statistically analyse and assess the data, draw conclusions and construct a written report of the results. Students also learn to use computers to carry out basic statistical and dietary analyses.

Course: PU62  
Credit Points: 12  
Contact Hours: 5 per week

PUP115 OCCUPATIONAL HEALTH & SAFETY LAW & MANAGEMENT I

Introduces students to basic concepts in occupational health and safety; develops an understanding of and skills not only in basic management principles as they apply to this discipline but also in the development and delivery of health and safety training programs. Develops a sound foundation in the principles and practice of health promotion.

Courses: PU65  
Credit Points: 12  
Contact Hours: 3 per week

PUP116 ERGONOMICS

The relationship between the worker, the work environment and the workplace. Occupational ill-health and injury arise from a lack of fit between the capabilities of workers and the design of the working environment, the work processes and the physical and mental demands of
Students gain experience in the nutrition and health care of individuals and groups in the community through campus practice. Dietary histories; anthropometry; biochemical indices. Students undertake various visits to hospitals and other locations to interact with clients and others.

**Prerequisites:** Completion of all Semester 1 and Semester 2 units.

**Credit Points:** 12

**Contact Hours:** 3 per week

**Course:** PUP122 PRACTICE IN CLINICAL DIETETICS

Practical experience and seminar presentations relevant to clinical dietetics conducted in institutions off-campus (40 hours per week for 11 weeks).

**Course:** PU62

**Prerequisites:** Completion of all Semester 1 and Semester 2 units.

**Credit Points:** 24

**Contact Hours:** 11 weeks

**Course:** PUP123 PRACTICE IN COMMUNITY NUTRITION

Students gain experience in the nutrition and health care of individuals and groups in the community through off-campus practice (40 hours per week for 3 weeks).

**Course:** PUP126 CLINICAL DIETETICS 1

The dietetic process: the gathering of information using dietary histories; anthropometry; biochemical indices. Builds on basic studies in nutrition; biochemistry and physiology; integrates medical, biochemical and dietary aspects of inborn errors of metabolism, energy imbalances, cardiovascular disorders and metabolic disorders. As part of the unit, students are required to attend various hospitals and other locations to interact with clients and others.

**Course:** PUP127 CLINICAL DIETETICS 2

This is a continuation of PUP126. Topics include: nutritional assessment; the management of disorders of the digestive and immune systems; renal disease; liver disease; paediatric disorders; nutritional support and hypermetabolic conditions. Students are required to undertake various visits to hospitals and other locations to interact with clients and others.

**Course:** PUP128 PRACTICAL DIETETICS

Provides an opportunity to experiment with food commodities and to practise service planning, and food presentation. Examines the ingredient content of commercial foodstuffs. Examines the role of individual ingredients of foodstuffs in the determination of food structure and organoleptic properties.

**Course:** PUP129 FOOD SERVICE & DIETETIC MANAGEMENT

An introduction to the principles of management including general management theory; organisational functions; leadership; staffing; management of change; marketing the profession. This is applied to food service management in terms of planning and organising food service; menu planning; kitchen design; food delivery systems; computer assistance and total quality management. Field trips to visit various food services.

**Course:** PU62

**Credit Points:** 12

**Contact Hours:** 5 per week

**Course:** PUP132 PRACTICE IN FOOD SERVICE MANAGEMENT

Practical experience and seminar presentations. Conducted in institutions off-campus (40 hours per week for 4 weeks).

**Course:** PU62

**Prerequisites:** Completion of all Semester 1 and Semester 2 units.

**Credit Points:** 12

**Contact Hours:** 3 weeks

**Course:** PUP140 COMMUNICATION THEORY & PRACTICE FOR HEALTH PROFESSIONALS

Provides health professionals with skills in communication. Covers communication between clients and health professionals on a one-to-one basis; communication in small groups; public education on health-related matters; diffusion and adoption of health-related behaviours; the role of information; the use of mass media; and communication within health organisations, i.e., between health educators and promoters and other health professionals.

**Course:** HL88, PU62, NS85

**Credit Points:** 12

**Contact Hours:** 3 per week

**Course:** PUP215 OCCUPATIONAL HEALTH & SAFETY LAW & MANAGEMENT 1

Students develop an understanding of both the legal framework within which the discipline operates and industrial relations concepts and practices insofar as they impinge upon occupational health and safety. Basic statistical techniques are reviewed as an introduction to the study of concepts of epidemiology applicable to an occupational setting.

**Course:** HL88, PU65

**Credit Points:** 12

**Contact Hours:** 3 per week

**Course:** PUP250 OCCUPATIONAL HYGIENE

Lectures, practical work and industrial visits to instruct students so that they may recognise, evaluate and control the physical, biological and chemical environmental factors which can adversely affect the health, safety, comfort and efficiency of workers.

**Course:** HL88, PU65

**Credit Points:** 12

**Contact Hours:** 3 per week

**Course:** PUP301 SAFETY TECHNOLOGY & PRACTICE 2

Risk analysis; occupational health and safety audits; hazard detection and analysis; control strategies; safety audits; fire and explosion prevention; quantitative hazard analysis, risk management, accident investigation and analysis.

**Course:** HL88, PU65

**Credit Points:** 12

**Contact Hours:** 3 per week

**Course:** PUP415 OCCUPATIONAL HEALTH

Exploration of chemical hazards in the working environment, epidemiological principles and practice, and identification of special risk groups in the workforce. Topics include: the pathological bases of disease in humans; chronic occupational diseases; occupational skin conditions; respiratory diseases; biological hazards in the work environment (bacteria, parasites, viruses, rickettsia and fungi); chemical and physical stresses and their physiological responses; physiological monitoring - principles and practice; special risk groups; epidemiological principles and practice.

**Course:** HL88, PU65

**Credit Points:** 12

**Contact Hours:** 3 per week

**Course:** PUP430 HOME ECONOMICS CURRICULUM STUDIES 1

The bases for making decisions about home economics.
curriculum design and implementation are explored in order for participants to appreciate the complexity of this process and the necessity to clarify their own philosophical base for teaching in the area. The skills appropriate for preparing and implementing sequenced units of work are developed.

Course: ED37
Credit Points: 9
Contact Hours: 3 per week

PUP431 HOME ECONOMICS CURRICULUM STUDIES 2
Development of further skills in writing programs of work with an emphasis on advanced teaching/learning strategies, assessment and evaluation and the processes of accreditation and certification concomitant with order for participants to appreciate the complexity of curriculum this process and the feasible teaching/learning approaches congruent with the needs of specific groups are developed to achieve more equitable education outcomes for all students.

Course: ED37
Credit Points: 12
Prerequisite: PUP420
Contact Hours: 3 per week

SBB325 ACCOUNTING/BUSINESS MANAGEMENT CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.

Courses: ED50, ED54
Credit Points: 12
Prerequisites: Normally the completion of 48 credit points in each relevant discipline area.
Contact Hours: 3 per week

SBB326 ACCOUNTING/BUSINESS MANAGEMENT CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.

Courses: ED50, ED54
Credit Points: 12
Contact Hours: 3 per week

SBB327 OFFICE COMMUNICATIONS TECHNOLOGY CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.

Courses: ED50, ED54
Credit Points: 12
Prerequisites: Normally the completion of 48 credit points in each relevant discipline area.
Contact Hours: 3 per week

SBB328 OFFICE COMMUNICATIONS TECHNOLOGY CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.

Courses: ED50, ED54
Credit Points: 12
Contact Hours: 3 per week

SBB329 ECONOMICS CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.

Courses: ED50, ED54
Prerequisites: Normally the completion of 48 credit points in each relevant discipline area.
Credit Points: 12
Contact Hours: 3 per week

SBB330 ECONOMICS CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.

Courses: ED50, ED54
Prerequisites: SBB329
Credit Points: 12
Contact Hours: 3 per week

SBB331 GEOGRAPHY CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.

Courses: ED50, ED54
Prerequisites: Normally the completion of 48 credit points in each relevant discipline area.
Credit Points: 12
Contact Hours: 3 per week

SBB332 GEOGRAPHY CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.

Courses: ED50, ED54
Prerequisites: SBB331
Credit Points: 12
Contact Hours: 3 per week

SBB333 HISTORY CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.

Courses: ED50, ED54
Prerequisites: Normally the completion of 48 credit points in each relevant discipline area.
Credit Points: 12
Contact Hours: 3 per week

SBB334 HISTORY CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.

Courses: ED50, ED54
Prerequisites: SBB333
Credit Points: 12
Contact Hours: 3 per week

SBB335 LEGAL STUDIES CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.

Courses: ED50, ED54
Prerequisites: SBB334
Credit Points: 12
Contact Hours: 3 per week

SBB336 LEGAL STUDIES CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general prin-
principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.

Courses: ED50, ED54  
Prerequisite: SBB335  
Credit Points: 12  
Contact Hours: 3 per week

**SBB337 SOCIAL SCIENCE CURRICULUM STUDIES 1**

This unit assists students to develop those competencies needed for planning and teaching in selected curriculum areas. Content includes: the nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.

Courses: ED50, ED54  
Prerequisites: Normally the completion of 48 credit points in each relevant discipline area.  
Credit Points: 12  
Contact Hours: 3 per week

**SBB338 SOCIAL SCIENCE CURRICULUM STUDIES 2**

Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.

Courses: ED50, ED54  
Prerequisite: SBB337  
Credit Points: 12  
Contact Hours: 3 per week

**SBB339 CURRICULUM IN SOCIAL EDUCATION**

Builds on SBB330 to develop a coherent and balanced understanding of the nature and role of Social Education, the Queensland Primary Schools Social Studies Syllabus and P-10 Social Education Framework and introduces other national and international syllabuses and programs. Investigates some of the more recent significant initiatives in Social Education, such as Aboriginal and Torres Strait Island Education, Environmental Education and Global Education. Students design an innovative curriculum program for the classroom and clarify their own philosophy and degree of commitment to Social Education teaching.

Course: ED51  
Prerequisite: SBB340  
Credit Points: 12  
Contact Hours: 3 per week

**SBB340 TEACHING SOCIAL EDUCATION**

Develops an introductory understanding of the nature and role of Social Education and Queensland Primary Schools Social Studies Syllabus and Guidelines, Workbooks, and the P-10 Social Education Framework. Investigates the various learning styles in the classroom and appropriate teaching strategies to cater for these, especially processes for individualising instruction via inquiry learning.

Course: ED51  
Credit Points: 12  
Contact Hours: 3 per week

**SBB341 DIRECTIONS IN SOCIAL EDUCATION**

Builds on SBB339 and SBB340 and analyses the contribution to social education in the classroom of areas, themes and topics, such as teaching for a better world, environmental education, peace and justice, effective citizenship, political literacy, human rights, development education, gender and equity, global education and future education.

Course: ED51  
Credit Points: 12  
Contact Hours: 3 per week

**SBB342 SOCIAL & ENVIRONMENTAL FOUNDATIONS**

Explores from an interdisciplinary perspective a number of thematic questions about teaching: the historical development of social and environmental foundations in the study of society; the current socio-cultural context of social and environmental education; culture and beliefs as an influence on social and environmental activity; the quality of natural and social systems in the world; resources: conservation and development; place and space, continuity and change, key skills and competencies, critical and creative thinking, perceptions, attitudes and values in social and environmental studies.

Course: ED51, ED52  
Credit Points: 12  
Contact Hours: 3 per week

**SBB343 THE AUSTRALIAN LEGACY**

Examination of those forces which have shaped contemporary Australia. Through a consideration of this historical legacy, a better understanding of those social, economic and constitutional developments which are currently taking place in Australia can be achieved.

Course: ED51  
Credit Points: 12  
Contact Hours: 3 per week

**SBB344 CONSUMER EDUCATION IN PRIMARY SCHOOLS**

This unit provides opportunities for primary school teachers to gain an awareness of the role and functions of consumers in the Australian economy, and the inter-relationship between consumers, business and the government. It discusses consumer protection laws and the need for consumer protection. An examination of various teaching strategies and teaching resources and assists teachers to plan Consumer Education teaching programs for implementation in primary schools.

Course: ED51  
Credit Points: 12  
Contact Hours: 3 per week

**SBB345 AUSTRALIA, ASIA AND THE PACIFIC: A FUTURES APPROACH**

An introduction to the study of futures is attempted through an analysis of principal methods and contemporary eminent contributors. Methods and models are applied to the development of future scenarios and contemporary issues relevant to the region, e.g. population and migration, political institutions and systems, resource allocation and utilisation, sustainable development, environmental issues and structural change. Using understandings from the above, teaching methods and techniques are developed for the P-10 Social Education Curriculum.

Course: ED51  
Credit Points: 12  
Contact Hours: 3 per week

**SBB346 ENVIRONMENTAL EDUCATION**

This unit is designed to assist the beginning teacher to implement the Queensland Department of Education's environmental policy in primary schools. The major goal is to develop expertise in the design and delivery of class programs and activities.

Course: ED51  
Credit Points: 12  
Contact Hours: 3 per week

**SBB347 ORGANISATION AND ADMINISTRATION OF ADULT AND WORKPLACE EDUCATION**

Explores and analyses organisational structures and administrative practices found to be successful in adult and workplace education settings. Special attention is given to the impact of organisational form and function, financial provision and organisational policy on servicing the needs of clients. The effect of national and international policies and current legislative requirements on organisational and administrative designs and processes is examined closely.

Course: ED54  
Credit Points: 12  
Contact Hours: 3 per week
- SBB348 IMPLICATIONS OF THE NATIONAL TRAINING REFORM AGENDA
  The National Standards and competency based training: occupational health and safety; access and equity in workplace and community settings; principles and practices of recognising prior learning.
  Course: ED53, ED54
  Credit Points: 12  Contact Hours: 3 per week

- SBB349 STUDIES OF SOCIETIES AND ENVIRONMENT/HEALTH AND PHYSICAL EDUCATION
  This unit develops an introductory understanding of the nature and purpose of the Wiltshire Report's Studies of Society and Environment at the primary level. Current curriculum documents are analysed and teaching and learning strategies for their implementation are developed. The health section content includes: concepts and content incorporated in the philosophy of health education, the structure, management and evaluation of lessons in the school environment; planning learning experiences and developing health and physical education program modules.
  Course: ED51
  Credit Points: 12  Contact Hours: 3 per week

- SBB371 KNOWING YOUR ENVIRONMENT
  This unit uses an interdisciplinary social science approach to explore the origins, nature and impact of various environmental issues which threaten the continuing viability of our planet. Its aim is to develop a sound skills and knowledge base enabling students to analyse, synthesise and respond positively to many of the controversial and vital environmental problems at a local, national and global level.
  Course: ED52, ED51
  Credit Points: 12  Contact Hours: 3 per week

- SBB372 THE CONSUMER, SOCIETY AND THE ENVIRONMENT
  This unit is designed to enhance the knowledge and skills of the individual in one of the most important roles in a market oriented economy. Content includes: the role and functions of consumers in the Australian economy; the interrelationship between consumers, business and government; consumer protection laws and the need for them; ways of developing pro-active consumerism; and consuming for the environment - the 'green' consumer.
  Course: ED52, ED51
  Credit Points: 12  Contact Hours: 3 per week

- SBB373 FUTURE SOCIETIES AND ENVIRONMENTS - AUSTRALIA, ASIA AND THE PACIFIC
  This unit provided a futures approach in the study of the rapidly changing Asia-Pacific region. An introduction to the study of the future is made through an analysis of principal methods and contemporary contributors such as Toffler and Jones. Methods and models that are applied are relevant to Australia, Asia and the Pacific, including such themes as: population and migration; international relations; political institutions and systems; resource allocation and utilisation; sustainable development; environment issues and structural change.
  Course: ED52, ED51
  Credit Points: 12  Contact Hours: 3 per week

- SBB410 CONSUMER EDUCATION
  Preparation of teachers to teach consumer education at various school levels either as a subject in its own right or as aspects of consumer education within other disciplines. Topics include: consumer education in the school curriculum; content in consumer education; teaching consumer education; curriculum development and innovation.
  Courses: ED26, ED69, NS54
  Credit Points: 12  Contact Hours: 3 per week

- SBB414 STUDIES OF SOCIETY AND ENVIRONMENT
  An investigation of the Key Learning Area of Studies of Society and Environment discipline versus interdisciplinary approaches; analysis of key strands; values; curriculum perspectives including gender perspectives; Aboriginal and Torres Strait Islander perspectives, multicultural perspectives, global perspectives, futures perspectives, technology and VET perspectives.
  Course: ED50
  Credit Points: 12  Contact Hours: 3 per week

- SBB415 STUDIES OF SOCIETY/HEALTH AND PHYSICAL EDUCATION
  This unit builds on the foundation established in SBB349 by allowing students to focus on significant areas such as Consumer Education, Political Education, Global Education and Legal Education. Students will design innovative curriculum programs. In the physical education section, the content includes: concepts and content incorporated in the philosophy of education, the structure, management and evaluation of physical education lessons in the school environment; planning learning experiences and developing program modules and units.
  Course: ED51
  Credit Points: 12  Contact Hours: 3 per week

- SBB440 ENVIRONMENTAL EDUCATION
  Valuable for all educators concerned with communicating environmental knowledge, concepts, skills, attitudes and values in formal and informal learning situations. Participants are encouraged to pursue the objectives of environmental education within their own subject specialisations.
  Courses: ED26, ED54, NS54
  Credit Points: 12  Contact Hours: 3 per week

- SBB441 BUSINESS ORGANISATION AND MANAGEMENT EDUCATION
  This unit is designed to assist teachers to teach Business Organisation and Management in secondary schools and other educational and training settings. It examines the philosophy of such courses, typical content, and appropriate teaching and assessment strategies.
  Course: ED26
  Credit Points: 12  Contact Hours: 3 per week

- SBB442 ENVIRONMENTAL FIELD STUDIES
  This unit is designed to identify and value a wide range of field study resources and venues. Extensive involvement with field study experiences will assist students in developing appropriate skills in researching environmental issues and concerns as well as helping students reflect and refine the usefulness and value of field experience in developing effective environmental education programs.
  Course: ED51
  Credit Points: 12  Contact Hours: 3 per week

- SBN603 CRITICAL APPROACHES IN SOCIAL AND ENVIRONMENTAL EDUCATION
  The most exciting initiatives in social and environmental education over the past two decades have reflected visions of a world that is more peaceful, just and ecologically sustainable. These initiatives have been in areas including Development Education, Environmental Education, Global Education and Futures Education. All of these fields encompass critical pedagogical approaches. In this unit, students initially explore the philosophical assumptions of critical pedagogies, and then investigate their practical applications in major fields of social and environmental education. As well, students analyse current national and state educational policies, to evaluate the support they offer for critical approaches in social and environmental education. Students are able
to base their assignment work on their own areas of expertise and interest.

Courses: ED13, ED11  
Credit Points: 12

**SBP604 ENVIRONMENTAL EDUCATION & INTERPRETATION**

Provides opportunities for students to investigate approaches to social education which are based on significant disciplines within the field – for example, history, geography and economics. There is scope for students to focus their work in this unit on one selected disciplinary area. Studies focus on recent epistemological developments within the selected discipline(s), and on pedagogical debates about the nature and value of disciplinary approaches to social education. Students analyse the ways those debates are reflected in policy formulation and curriculum practice in schools.

Courses: ED13  
Credit Points: 12

**SBP605 ISSUES IN SOCIAL AND ENVIRONMENTAL EDUCATION**

Some of the most enduring debates in social and environmental education focus on the role of disciplinary knowledge. For most of this century, educators in major Western countries have argued the relative merits of curricula based on single-disciplinary, multidisciplinary and interdisciplinary approaches. This unit provides opportunities for students to explore these issues in theoretical and practical curricular contexts.

Courses: ED13, ED11  
Credit Points: 12

**SBP606 BUSINESS ADMINISTRATION/COMMUNICATIONS EDUCATION**

Business educators and trainers working in the clerical-administrative fields are faced with continual opportunities and challenge, due to changes in the social, cultural, technological, economic and political environments. An opportunity is provided for students to develop the necessary research skills and learning strategies, and competence in advanced training strategies in order to take advantage of these opportunities and challenges.

Courses: ED13, ED11  
Credit Points: 12

**SBP607 STRATEGIES FOR BUSINESS EDUCATORS AND TRAINERS**

This unit addresses major themes revolving around the workplace of the 1990s and beyond: preparation, planning, operation and management of training; evaluating, marketing and delivering training; and consulting. An opportunity is provided for students to study and critically examine advanced training and consulting methods, and then apply them to developing a training program and a consulting and marketing proposal relevant to their area of work within the field of business education and training. Teaching approaches are based on the principles of adult learning theory and practice.

Courses: ED13, ED11  
Credit Points: 12

**SBP608 STRATEGIES IN ACCOUNTING AND BUSINESS MANAGEMENT EDUCATION**

This unit provides the opportunity for students to study and analyse important issues and trends relating to Accounting and Business Management Education, and then to apply their knowledge to investigating an issue or trend in their own work context. The unit also focuses on the training and curriculum development of Accounting and Business Management subjects.

Courses: ED13, ED11  
Credit Points: 12

**SBP610 TRENDS AND ISSUES IN BUSINESS EDUCATION AND TRAINING**

This unit provides the opportunity for students to study and analyse current issues and trends, and then to apply their knowledge to investigating an issue or trend in their own work context. The major themes to be covered in the unit relate to the identification and impact of international and national trends on the field of business education and training. Teaching approaches are based on the principles of adult learning and practice.

Courses: ED13, ED11  
Credit Points: 12

**SBP401 ACCOUNTING CURRICULUM STUDIES 1**

The nature of Accounting/Business Management education and its role and contribution as a medium for education; introduction to the relevant syllabuses and curriculum documents; lesson and curriculum planning activities; teaching strategies designed to promote a range of learning experiences in the Accounting/Business Education areas.

Course: ED37  
Credit Points: 12  
Contact Hours: 3 per week

**SBP402 ACCOUNTING CURRICULUM STUDIES 2**

Consideration and practical application of curricular and teaching principles in the Accounting/Business Management area, emphasis on the use of computers; development of work programs, assessment programs and teaching packages in Accounting/Business Management areas. Establishment of principles which are used to guide school experience during teaching practice and also as a beginning teacher; contemporary issues and emerging trends in Accounting/Business Management education curriculum development.

Course: ED37  
Prerequisite: SBP401  
Credit Points: 12  
Contact Hours: 3 per week

**SBP403 ECONOMICS CURRICULUM STUDIES 1**

The nature of Economics and its role in the general curriculum; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning applied to Economics; teaching strategies and resources designed to motivate students and promote a range of interactive learning experiences.

Course: ED37  
Credit Points: 12  
Contact Hours: 3 per week

**SBP404 ECONOMICS CURRICULUM STUDIES 2**

Continuation of SBP403. Curriculum development within the context of contemporary policies, frameworks and agencies; advanced teaching strategies and the use of computers in teaching Economics; unit development; assessment and evaluation in Economics; issues and directions in curriculum development.

Course: ED37  
Prerequisite: SBP403  
Credit Points: 12  
Contact Hours: 3 per week

**SBP405 GEOGRAPHY CURRICULUM STUDIES 1**

The interpretation of Geography syllabi in Queensland; the nature and role of Geography in general education; lesson and unit planning; teaching and learning approaches designed to promote different classroom activities and cater for different students' needs.

Course: ED37  
Credit Points: 12  
Contact Hours: 3 per week
- **SBP406 GEOGRAPHY CURRICULUM STUDIES 2**
  Continuation of SBP405. Examination of the broader issues of Geographical education and the roles of Geography teachers in the community and the profession.
  Course: ED37  Prerequisite: SBP405
  Credit Points: 12  Contact Hours: 3 per week

- **SBP407 HISTORY CURRICULUM STUDIES 1**
  Development of a rationale for inquiry-based curriculum in History for secondary schools, application of inquiry-based principles to curriculum development at levels from school programs to individual lessons.
  Course: ED37  Prerequisite: SBP405
  Credit Points: 12  Contact Hours: 3 per week

- **SBP408 HISTORY CURRICULUM STUDIES 2**
  Continuation of SBP407. Assessment of principles and practices; evaluation of the potential for History to contribute to emerging fields of social education, including global education and development education.
  Course: ED37  Prerequisite: SBP407
  Credit Points: 12  Contact Hours: 3 per week

- **SBP409 LEGAL STUDIES CURRICULUM STUDIES 1**
  Legal Studies in the school curriculum; socially critical approach to the teaching of Legal Studies; overview of the Legal Studies course in Queensland; lesson and curriculum unit planning activities; basic teaching strategies to promote a range of learning experience in Legal Studies; developing basic teaching skills related to the first teaching practice session.
  Course: ED37  Prerequisite: SBP409
  Credit Points: 12  Contact Hours: 3 per week

- **SBP410 LEGAL STUDIES CURRICULUM STUDIES 2**
  Continuation of SBP409. Curriculum development within the context of contemporary principles; advanced strategies to further promote a range of learning experiences; assessment and evaluation techniques; assessment programs and teaching packages in Legal Studies; issues and directions in curriculum development.
  Course: ED37  Prerequisite: SBP409
  Credit Points: 12  Contact Hours: 3 per week

- **SBP411 OFFICE COMMUNICATIONS TECHNOLOGY CURRICULUM STUDIES 1**
  The nature of office communications technology, its role in the general curriculum; introduction to relevant syllabus and curriculum documents; basic teaching strategies (including microteaching), and resources designed to motivate students and promote a range of participative learning experiences.
  Course: ED37  Prerequisite: SBP409
  Credit Points: 12  Contact Hours: 3 per week

- **SBP412 OFFICE COMMUNICATIONS TECHNOLOGY CURRICULUM STUDIES 2**
  Continuation of SBP411. Curriculum development within the context of contemporary policies; advanced teaching strategies; unit development; general principles of measurement, assessment and evaluation; issues and directions in curriculum development which are pertinent to office communications technology; opportunities to assist students reflect on their own professional development as they prepare for a teaching career.
  Course: ED37  Prerequisite: SBP411
  Credit Points: 12  Contact Hours: 3 per week

- **SBP502 ETHICS & ECONOMICS IN ENVIRONMENTAL EDUCATION**
  Development of an understanding of the nature of environmental economics and different philosophies, ideologies and cultural views towards the environment; development of teaching strategies and resources for teaching environmental economics and ethics.
  Courses: ED22, ED26
  Credit Points: 12  Contact Hours: 3 per week

- **SBP517 FINANCIAL MANAGEMENT IN EDUCATION SETTINGS**
  The financial aspect of managing an educational setting; various financial management control problems; the basic accounting principles and skills used in the recording and management of school financial transactions; guidelines for the efficient and effective use of limited school financial resources.
  Course: ED23, ED26  Credit Points: 12

- **SBP501 LEARNING AT UNIVERSITY**
  Aims to develop students' awareness and use of learning processes necessary for quality learning at university. It encourages a more meaningful approach to learning through the development of active learning strategies effective in scientific study. The content is closely allied to other first year units. Classes have an interactive format which require active student involvement.
  Course: SC30  Credit Points: 2  Contact Hours: 1 per week

- **SBP100 COOPERATIVE EDUCATION**
  Ten to 12 months placement in paid employment related to their course, in a commercial environment under the joint supervision of an industry supervisor and an academic advisor. An academic advisor obtains reports from the student and their work supervisor at regular intervals. The student is required to submit a written report on the conclusion of their placement. Results are determined on the basis of these reports and the employer's evaluation of the student's performance and development.
  Courses: CH32, MA34, SC30
  Prerequisites: Completion of 4 semesters of a standard full-time degree-level course, normally with a GPA of not less than 4.5 overall.

- **SBP202 SCIENCE, TECHNOLOGY & SOCIETY**
  The origins of modern science and technology in a social and historical context leading to the study of their role and impact in contemporary society; includes case studies of the development of particular concepts, issues and science and technology based industries. Topics include: the study of the nature of science and technology; the sociological functioning of the scientific enterprise - its norms and values; the nature of scientific knowledge - objectivity and epistemological issues; the future of science and technology - policy and influences.
  Course: ED50  Credit Points: 12  Contact Hours: 4 per week

- **SBP222 EXPLORATION OF THE UNIVERSE**
  Introduction to optical observational astronomy; instrumentation; celestial sphere and astronomical coordinates, observations of constellations, stars, planets, clusters and other interesting celestial objects. Theory: physical geology of the planets and formation of the solar system, gravitation, optics of telescopes, spectra and their measurement, phenomena of astronomical origin, brief introduction to stars and galaxies. Practical exercises and field trips.
  Courses: ED50, SC30  Credit Points: 12  Contact Hours: 5 per week

- **SBP346 ENGINEERING PHYSICS & CHEMISTRY**
  The physics of heat and properties of matter; including heat, energy transfer, heat engines, thermodynamics, entropy and order. The chemistry of materials including such topics as PH control; polymers and composites and
corrosion and its prevention.

Note: Students must pass both Physics and Chemistry modules to obtain credit in this unit.

Course: CE42  Prerequisites: CHB002 or equivalent
Credit Points: 8  Contact Hours: 3 per week

**SSBO01 INTRODUCTION TO QUALITY MANAGEMENT**

Management: concepts, systems, costs and total quality management. Improvement: techniques and procedures. Courses: SC30, MA34
Prerequisites: MAB237 or MAB347 and successful completion of at least 192 credit points.
Credit Points: 12  Contact Hours: 4 per week

**SSB004 SOCIAL INEQUALITY IN AUSTRALIA**

This unit explores the nature of social inquiry exemplified in approaches to the construction and explanation of 'inequality'. The subject outlines the way notions such as inequality are constructed and explained with reference to sociological perspectives. Both nineteenth century and contemporary approaches are examined in relation to dimensions of inequality such as power, class, status, gender, race and ethnicity. These perspectives are then applied to fields such as the State, Economics, Politics and Culture in contemporary Australia. Students will be encouraged to look critically at the usefulness of the concept of inequality.
Course: SS07
Credit Points: 12  Contact Hours: 3 per week

**SSB005 HUMAN DEVELOPMENT 2**

Theories of adolescence; transitions and events in adolescence; adult life and transitions; theories of adulthood; human empowerment; mid-life issues; renewal in mid-life; models of ageing; aged care issues; death.
Course: SS07  Prerequisite: SSB001
Credit Points: 12  Contact Hours: 3 per week

**SSB006 STUDIES IN HUMAN RIGHTS 2**

This unit continues the social science tradition of inquiry into situations of disadvantage and disempowerment. It examines social differentiation, and applies a human rights perspective to discrimination on the grounds of gender, race, religion, linguistic heritage and age. It analyses the human rights of selected vulnerable individuals and groups including children, young people, juvenile offenders, prisoners, refugees and persons with psychiatric, physical or intellectual disability. Emphasis is placed on evaluating the adequacy of legal, administrative, and advocacy procedures.
Course: SS07
Credit Points: 12  Contact Hours: 3 per week

**SSB007 INTERPERSONAL PROCESSES & SKILLS**

Examines complex communication skills and understandings; communication as a change process and as narrative; awareness and skills with regard to social style, assertion, confrontation and other influencing skills; conflict; stress and burnout; gender and cross-cultural issues in communication; interviewing skills.
Course: SS07
Credit Points: 12  Contact Hours: 3 per week

**SSB008 COUNSELLING THEORY & PRACTICE 1**

Analyses and develops skills associated with the nature of counselling process and helping relationship; theoretical bases of major counselling approaches; counselling skills of major approaches; 're-authoring' and deconstructionist perspectives; ethical, gender and cultural issues in counselling; counselling applied in particular situations; group counselling; change processes in counselling; sociological analysis of the role and function of counselling.
Course: SS07  Prerequisite: SSB007
Credit Points: 12  Contact Hours: 3 per week

**SSB009 THE AUSTRALIAN WELFARE STATE**

The origins and contemporary nature of the Australian welfare state are explored. Historical data on the antecedents to and stages of welfare state development is presented. The major debates and controversies are explored. An overview is given of the structural arrangements of the Australian welfare state.
Course: SS07
Credit Points: 12  Contact Hours: 3 per week

**SSB010 PROFESSIONAL RESOURCES 1**

Develops two key themes: 'worker as a resource' theme introduces students to frameworks for practice; human
service worker roles and interventions; notions of need and assessment; ‘government and non-government services as resources’ theme introduces students to the legislative base, referral and appeal mechanisms of government and non-government services.

Course: SS07
Credit Points: 12 Contact Hours: 3 per week

**SB011 CHILD & FAMILY SERVICES I**

Introduction to child and family welfare theory and practice and contemporary services, particularly family violence; successful family functioning and adaptation through the life span; basic needs and rights of families; developmental stages and transitions of the family life cycle; family relationship dynamics, causes of family dysfunction, crises and disruption; theoretical approaches working with families, family assessments, planning interventions and recording data; legislation, ethical and practice standards.

Course: SS07
Credit Points: 12 Contact Hours: 3 per week

**SB012 DISABILITY SERVICES I**

History and attitudes to disability; impact of disability upon individuals and their families; critical review of the principles and theoretical frameworks (normalisation, social role valorisation, least restrictive alternative, dignity of risk, self advocacy) which underpin services; planning around individuals, personal futures planning.

Course: SS07
Credit Points: 12 Contact Hours: 3 per week

**SB013 CORRECTIVE SERVICES I**

An introduction to the criminal justice system; the relationship between the criminal justice system and the offender; social control and social order; the impact of incarceration on offenders, their families and the wider community; women and Aborigines in the criminal justice system; victims of crime.

Course: SS07
Credit Points: 12 Contact Hours: 3 per week

**SB014 AGED SERVICES I**

Physiological, psychological, social and cultural aspects of ageing; theories of ageing; ageism; an introduction to ageing research; quality of life issues; common transition and ageing; communication with the aged.

Course: SS07
Credit Points: 12 Contact Hours: 3 per week

**SB015 MULTICULTURAL SERVICES I**

The unit aims to provide a basic orientation to the context, options and difficulties associated with human service practice for multicultural Australia. It introduces the policies, concepts and issues surrounding multicultural services. Students will gain and understanding of the experiences of immigration and resettlement.

Course: SS07
Credit Points: 12 Contact Hours: 3 per week

**SB016 YOUTH SERVICES I**

The development and character of youth services in Australia; outline of a framework for reflective youthwork practice; youth services relating to labour market housing, juvenile justice, education, health and young people in the context of families; contemporary practice and policy issues identified through field enquiry and examination of relevant literature.

Course: SS07
Credit Points: 12 Contact Hours: 3 per week

**SB017 GROUP WORK**

This unit provides an intensive group experience in either a camp, weekend residential or two single day program and examines types of groups and varieties of group experiences; the importance and uniqueness of group medium; understanding behaviour in the group context; theories and models of group development; leader and member behaviours; planning, implementing and evaluating group processes; establishing group protocols and evaluating group approaches; the group as a therapeutic community; evaluating group work; ethical issues.

Course: SS07
Credit Points: 12 Contact Hours: 3 per week

**SB019 PROFESSIONAL RESOURCES 2**

Extension of ‘the worker as a resource’ and ‘government and non-government services as resources’ themes. Most particularly, students integrate welfare interviewing and referral skills with their knowledge of service networks through a series of interview role plays. Introduction to the use of statistics (from electronic and print resources) in service planning and submission writing.

Course: SS07
Credit Points: 12 Contact Hours: 3 per week

**SB020 CHILD & FAMILY SERVICES II**

An overview of the frameworks, assessments and intervention skills necessary for human service work with children. This includes the following contexts: child protection, alternative care, domestic violence, divorce, juvenile justice and chemical dependency.

Course: SS07 Prerequisite: SSBO11
Credit Points: 12 Contact Hours: 3 per week

**SB021 DISABILITY SERVICES II**

Major life domains of home, work, education, leisure, relationships as they relate to people with a disability. Contemporary service responses to these life domains. Impact of specific disabling conditions: intellectual, physical, sensory and psychiatric.

Course: SS07 Prerequisite: SSBO12
Credit Points: 12 Contact Hours: 3 per week

**SB022 CORRECTIVE SERVICES II**

Criminological theory and research; correctional policy and practice; empirical data on criminality; major theoretical paradigms of criminality; social location and extent of crime; the costs of crime; individual and community attitudes towards crime and criminals.

Course: SS07 Prerequisite: SSBO13
Credit Points: 12 Contact Hours: 3 per week

**SB023 AGED SERVICES II**

Services available to the aged within the community and institutions; policy issues and assessment procedures; special interest groups; ethnic aged, Aboriginal and Torres Strait Islander aged, rural aged, aged carers.

Course: SS07 Prerequisite: SSBO14
Credit Points: 12 Contact Hours: 3 per week

**SB024 MULTICULTURAL SERVICES II**

This unit aims to increase the knowledge and understanding of the characteristics and circumstances of Australia's ethnic minorities and their implications in the use of welfare intervention techniques. The needs and issues of specific interest groups are explored. The unit promotes cultural sensitivity by exploring the social mores of Australia's ethnic minorities.

Course: SS07 Prerequisite: SSBO15
Credit Points: 12 Contact Hours: 3 per week

**SB025 YOUTH SERVICES II**

Young people: their experiences, practice responses. Particular attention will be given to the way gender, ethnicity, class, geographical locations and disability affect the experience of young people as described through various forms of social commentary and research. Current and emerging intervention strategies will be identified and the assumptions, strengths, and limitations of them explored.

Course: SS07 Prerequisite: SSBO16
Credit Points: 12 Contact Hours: 3 per week
SSB032 FIELDWORK PRACTICE 1
A two-stage program of pre-placement tutorials and a ten-week block placement (or negotiated equivalent) in a human service setting (offering a professionally supervised, contracted learning experience of human service work). Challenges students to acquire and integrate critical human service competencies, attitudes and knowledge.
Course: SSB07
Prerequisite: Enrolment in the Bachelor of Social Science (Human Services). All preceding units are prerequisites/corequisites at the discretion of the Course Coordinator and Field Education Coordinator.
Credit Points: 12
Contact Hours: 3 per week

SSB027 COMMUNITY WORK
Community work as a distinct intervention skill is defined. The background to community work in Australia. Models of community work are introduced and analysed. Basic skills and techniques are developed: entering a community, building community involvement, developing community action; managing common problems.
Course: SSB07
Credit Points: 12
Contact Hours: 3 per week

SSB028 AUSTRALIAN POLITICAL STRUCTURES & INSTITUTIONS
Introduction to the Australian political system; examination of the Constitution and federal and state structures, institutions and processes, with particular reference to human services; analysis of the ideologies, structures, decision-making and policy-making of political parties; review of the bureaucracy and public policy development; aspects of the Australian economy and individual system.
Course: SSB07
Credit Points: 12
Contact Hours: 3 per week

SSB030 CHILD & FAMILY SERVICES 3
Work with disadvantaged parents, foster parents and adoptive parents; human services responses by women for women; parents' and women's participation in services. Parent characteristics consistent with user rights, empowerment and social justice; parents and families involuntarily receiving services; application of skills in ethical decision-making, policy development, interpersonal processes and group work.
Course: SSB07
Credit Points: 12
Contact Hours: 3 per week

SSB031 DISABILITY SERVICES 3
Policies, legislation and programs which impact upon people with a disability reviewed at federal, state and local government levels; analysis of international influences on the Australian scene; policy areas of disability, income maintenance, housing, education, transport, employment, etc.
Course: SSB07
Credit Points: 12
Contact Hours: 3 per week

SSB032 CORRECTIVE SERVICES 3
The functioning of the Queensland Corrective Services Commission: social and political influences on correctional policy; statutory responsibilities and limitations of corrections; issues of communication and organisational change.
Course: SSB07
Credit Points: 12
Contact Hours: 3 per week

SSB033 AGED SERVICES 3
International trends in aged care; environmental issues and ageing; mental health and ageing; sexuality and ageing; ageing, work and retirement.
Course: SSB07
Credit Points: 12
Contact Hours: 3 per week

SSB034 MULTICULTURAL SERVICES 3
This unit aims to develop the students' ability to critically evaluate Australia's social institutions for their relevance and fairness to ethnic minorities. Explores contemporary principles which direct service delivery as it relates to ethnic minorities and evaluate current promotion methods employed.
Course: SSB07
Credit Points: 12
Contact Hours: 3 per week

SSB035 YOUTH SERVICES 3
This unit will explore the nature and implications of 'youth work' within various contexts. Different settings (e.g. statutory and non-statutory, government and non-government) will be examined. Within this framework the unit will focus on youth policy development and analysis, and contemporary policy and practice issues in relation to the juvenile justice system.
Course: SSB07
Credit Points: 12
Contact Hours: 3 per week

SSB036 FIELDWORK PRACTICE 2
A two-stage program of pre-placement tutorials and a ten-week block placement (or negotiated equivalent) in a human service setting (offering a professionally supervised, contracted learning experience of human service work). Challenges students to consolidate and extend critical human service competencies, attitudes and knowledge.
Course: SSB07
Prerequisite: Enrolment in the Bachelor of Social Sciences (Human Services). All preceding units are prerequisites/corequisites at the discretion of the Course Coordinator and Field Education Coordinator.
Credit Points: Not applicable
Note: Students who fail to achieve a satisfactory standard of performance on placement are liable to exclusion from the course.

SSB037 STUDIES IN HUMAN RIGHTS 3
This is the third unit dedicated to studies in human rights. It maintains and expands the human rights framework by examining notions of collective or solidarity rights. It applies such a framework to linguistic, religious, legal, social and political issues relating to ethnic minorities and indigenous peoples. It uses a collective rights framework to explore the inter-relationship between human rights and global issues including peace, international security, sustainable development, environmental degradation and the national rights to economic, social and cultural development.
Course: SSB07
Prerequisite: Course: SSB006
Credit Points: 12
Contact Hours: 3 per week

SSB038 SOCIAL POLICY & SOCIAL CHANGE
Conceptualising economic, population and structural change in Australia; understanding emergent ideas about state and society; identifying and contrasting alternative social policies and strategies.
Course: SSB07
Credit Points: 12
Contact Hours: 3 per week

SSB039 CONTEMPORARY SOCIAL POLICIES
Major debates in social policy will be explored. Analysis of Australia's response and the impact on redistribution in the Welfare State. Current analyses of health, housing, income security, legal, immigration and family policies at federal, state and local government level.
Course: SSB07
Credit Points: 12
Contact Hours: 3 per week
SSB046 DIRECTED STUDIES IN HUMAN SERVICE PRACTICE & THEORIES

This unit will provide an opportunity for students to undertake a directed reading and study project within their chosen service area. Students will undertake study which has a high level of specificity within an area or areas of practice identified by each Service Coordinator. Contents will be tailored to the specific service area.

Course: SS07
Credit Points: 12
Contact Hours: 3 per week

SSB047 ORGANISATIONAL SKILLS 1

Development of an empowering approach for functioning effectively as a member of a human service organisation; personal and interpersonal skills including career, time and stress management, working collaboratively with co-workers and managers, resolving disagreement and conflict, participating in change.

Course: SS07
Prerequisites: SSB007
Credit Points: 12
Contact Hours: 3 per week

SSB048 ORGANISATIONAL SKILLS 2

The managerial task in human service organisations; managerial paradigms and an empowering managerial framework; developing collaborative work environments; recruitment, selection and development of workers; managing change and conflict; introducing change.

Course: SS07
Prerequisites: SSB047
Credit Points: 12
Contact Hours: 3 per week

SSB101 INTRODUCTION TO PSYCHOLOGY AND HEALTH CARE

An introduction to the principal content areas and methodology of psychology. Topics include: developmental theory; perception and cognition; personality; emotions, stress, anxiety and coping; self-esteem and self-identity and learning.

Course: NS40
Credit Points: 12
Contact Hours: 3 per week

SSB802 TECHNOLOGY & CULTURE

Investigates the social and cultural aspects of technology practice; the relationship between social and cultural organisation and behaviour, and the technical aspects of human development; historical, anthropological, sociological and cultural perspectives are used to analyse the relationship between technology and culture.

Course: ED50
Credit Points: 12
Contact Hours: 3 per week

SSB803 SOCIAL PSYCHOLOGY

General study of applied social psychology and its relevance to a variety of professional roles and work environments; group dynamics and related concepts; analysing small group development; behaviours affected by stress or pressure, health, environmental design and work space.

Course: PU42
Credit Points: 12
Contact Hours: 3 per week

SSB804 PSYCHOLOGY & GENDER

What is gender?; theories of gender; male and female; masculine and feminine; roles versus power; counseling issues; old and new paradigms; history of psychology of gender; sexuality; mothers and fathers; psychology constructs the female; psychology in patriarchal discourse; family therapy theory and feminist critiques; psychological constructs and the media; film and media; psychology of gender and power.

Course: SS07
Prerequisites: SSB003 or SSB912
Credit Points: 12
Contact Hours: 3 per week

SSB806 INTERPERSONAL & GROUP PROCESSES

Understanding relationships and small group dynamics with emphasis on skill development in listening, helpful responding, assertion, conflict resolution, disclosure, feedback; models of group development and roles lead to facilitation and leadership skills. Skills are applied and analysed outside the class.

Course: ED50
Credit Points: 12
Contact Hours: 3 per week

SSB807 HUMAN SEXUALITY

Sexuality: model strategies for dealing appropriately with sensitive, value-laden issues; personal comfort in discussion of sexual matters; aspects of sexuality relevant to the student’s own development; the sexual development of adolescents; issues of social concern such as sexual abuse of children.

Course: ED50
Credit Points: 12
Contact Hours: 3 per week

SSB890 PSYCHOLOGY

Students critically evaluate statements about behaviour; state and give examples of higher order motives and apply this knowledge to work and interpersonal situations; understand factors which cause people to misperceive others, and explain how to minimise misperception; use of effective social skills in interpersonal and group settings; understand theories of attitude, change and know implications of changing the behaviour of others; use skills necessary for starting a successful small business.

Course: PU47
Credit Points: 8
Contact Hours: 3 per week

SSB903 SOCIOLOGY FOR HEALTH PROFESSIONALS

An examination of sociology's origins, theories, perspectives and methodologies with reference to health and wellness, illness and premature mortality; empirical data on mortality and morbidity in contemporary Australia are presented and subjected to sociological analyses to indicate social patterns, processes promoting or constraining levels of health.

Course: PU42
Prerequisite: SSB903
Credit Points: 6
Contact Hours: 3 per week

SSB904 SOCIOLOGY OF HEALTH & ILLNESS

This unit analyses in detail the statement that: ‘The major determinants of health and illness are social, cultural, behavioural, occupational, regional, environmental and parental.’ Indigenous, migrant and rural health determinants in Australia are investigated. The importance of a social and cultural approach to environmental health issues is highlighted.

Course: PU42
Prerequisite: SSB903
Credit Points: 6
Contact Hours: 3 per week

SSB905 PSYCHOLOGY FOR HEALTH PROFESSIONALS

Presents particular aspects of the theories, skills and approaches of interpersonal, social and organizational psychology which are relevant to nursing practice. Topics include: humanistic, cognitive, behavioural and social models for understanding the individual; communication processes; self-concept and self-esteem; protection of the ego; the impact of emotions and beliefs on health behaviour; and interpersonal communication skills.

Courses: NS40, NS48
Credit Points: 8
Contact Hours: 3 per week

SSB906 SOCIOLOGY FOR HEALTH PROFESSIONALS

Sociological theories and methods are studied to identify and analyse social relationships, social processes and social patterns relating to the social origins of illness and wellness; analysis trends in morbidity and mortality in society which are not randomly distributed but associated with social structural variables such as eth-
nicity, gender, social class, age and geographical location; examines the health care system internally and in relation to its public use and its effectiveness in addressing contemporary health issues in Australia.

Courses: NS40, NS48
Credit Points: 8 Contact Hours: 3 per week

- SSB907 PSYCHOLOGY FOR ENGINEERS
Introductory psychology; basic elements of transactional analysis and their application to work settings; self-concept and its relationship to social effective behaviour; attitudes and attitude change; the dynamics of supervision in the work place.

Courses: ME44, ME45
Credit Points: 4 Contact Hours: 2 per week

- SSB908 BEHAVIOURAL SCIENCE
An introduction to perception, motivation, individual personality, social attitudes, group interaction and dynamics; social motives and the sources and resolution of conflict; the practical application and limitations of behavioural studies; readings and case studies drawn from the building industry; the job and responsibilities of management; the functions and role of the manager including planning, organisation, control, budgeting and decision-making; styles of leadership; employee selection training, appraising and promotion; worker efficiency and working conditions.

Courses: CN31, CN32
Credit Points: 6 Contact Hours: 3 per week

- SSB910 INTRODUCTORY PSYCHOLOGY FOR HEALTH PROFESSIONALS
A course of lectures and tutorials on psychology as a science and interpersonal behaviour and skills and its relevance to the radiographer.

Course: PH38
Credit Points: 4 Contact Hours: 2 per week

- SSB911 GENERAL PSYCHOLOGY
This course is designed to give optometry students an ability to demonstrate effective interpersonal skills in relation to patients and other health professionals; indicate bases of individual differences; diagnose patient needs and respond appropriately; state causes of stress, effects on health, and indicate appropriate techniques to reduce stress; indicate techniques that may be used to modify patient attitudes.

Course: OP42
Credit Points: 4 Contact Hours: 3 per week

- SSB912 PSYCHOLOGY
An introduction to general psychology to give a base for subsequent studies in the various fields of psychology and to provide limited skills training in some areas for personal development; research approaches; learning and motivation; individuals and groups; the development of groups and the assessment of individuals within groups; perception, human development, and stress management, individual differences, psychological testing and personality.

Courses: HM42, PU49
Credit Points: 12 Contact Hours: 3 per week

- SSB913 DEVELOPMENTAL PSYCHOLOGY
A basis for the study of the promotion of psychological health of individuals at differing developmental stages. The content includes psychological adjustment, developmental theories, developmental aspects of childhood, adolescence, middle and old age and specific areas such as sexual development, death and dying; relationships to work and professional environments.

Course: SS07
Prerequisite: SSB903 or SSB912 or SSB932
Credit Points: 12 Contact Hours: 3 per week

- SSB914 PSYCHOLOGY
Students are taught to critically evaluate statements about behaviour, state and give examples of higher order motives, and apply this knowledge to work and interpersonal situations; understand factors which cause us to misperceive others, and explain how to minimise misperceptions; use effective social skills in interpersonal and group settings; understand theories of attitude, change and know implications for changing the attitudes of other persons; know theories of behaviour change and understand implications for changing the behaviour of others; use skills to reduce interpersonal stress; emphasis is on the role of environmental health officers and occupational safety and health professionals.

Courses: PU42, PU44, PU45
Credit Points: 8 Contact Hours: 3 per week

- SSB915 SOCIAL PSYCHOLOGY
Philosophy of social science; historical perspective; social and self and personal space; social perception and groups; research methodology; stereotypes and prejudice; conformity; persuasion; attraction and intimacy; help seeking and giving; aggression; leadership.

Course: SS07
Prerequisite: SSB903 or SSB912 or SSB932
Credit Points: 12 Contact Hours: 3 per week

- SSB917 PHYSIOLOGICAL & HEALTH PSYCHOLOGY
The physiological and cognitive bases to human behaviour; the nervous and endocrine systems of the body, the brain and its functioning; learning, information processing, memory and problem solving; consciousness and altered states of consciousness; hormones and drugs and their effects on emotional expression; the development of intelligence; the relation of physiological and cognitive factors to motivation and behaviour.

Course: SS07
Prerequisites: SSB912 or 96 credit points of approved study
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: SSB934

- SSB918 COUNSELLING FOR HEALTH PROFESSIONALS
A study of the psychology of illness and the counselling process for advanced radiographers.

Course: PH38
Credit Points: 4 Contact Hours: 2 per week

- SSB919 COUNSELLING & CRISIS MANAGEMENT
The basic theories and principles of crisis intervention methodology; the roles of nurses in counselling clients who are currently experiencing difficulties; appropriate interpersonal and specific counselling skills to assist with this therapeutic communication process; short-term strategies in crisis management.

Course: NS48
Credit Points: 8 Contact Hours: 3 per week

- SSB922 SOCIAL & CULTURAL ASPECTS OF HEALTH
A broad overview of the key theoretical and practical questions currently being addressed in the field of the sociology of health and illness providing a framework for individuals wishing to develop professional skills in health education.

Course: ED50
Credit Points: 12 Contact Hours: 3 per week

- SSB930 PSYCHOLOGICAL RESEARCH METHODS
An overview of the purposes and strategies of research; elementary research design; operationalising variables; descriptive statistics; distributions; measures of central
tendency and spread; standard scores and percentiles. Comparing variables through correlation; introduction to the use of SPSS.

Course: SS07
Credit: Credit Points: 12  Contact Hours: 3 per week

SSB931 HUMAN LEARNING AND MOTIVATION
This course examines the origins of Learning Theorists, the development of Classical, Operant and Social Learning Theory and their application in both adult and childhood settings. It investigates in some detail Social Cognitive theories of learning, focusing on Bandura's theories of modelling, expectancies and reciprocal causation. Motivation is explored through an outline of historical approaches, biological and personality theories of motivation.

Course: SS07
Prerequisites: SSB003 or SSB912 or SSB932
Credit: Credit Points: 12  Contact Hours: 3 per week

SSB932 INTRODUCTION TO PSYCHOLOGY 1B
Introduction to physiological, cognitive and developmental bases to human behaviour. An overview of biology and behaviour: the brain, neurones and neurotransmitters; alcohol and other drugs and neurotransmitters; sensation and perception; memory and cognition; human motivation and emotion; personality: an overview of human development; theoretical and research approaches to human development; research questions about adulthood.

Course: SS07  Prerequisites: SSB003, or SSB912
Credit: Credit Points: 12  Contact Hours: 3 per week

SSB933 COGNITIVE PSYCHOLOGY
History and development of cognitive psychology and cognitive science; the bases of cognition; perception; representation of knowledge; memory; the development of expertise, problem-solving and reasoning; cognitive development: computer models of cognition; applications of cognitive psychology.

Course: SS07  Prerequisites: SSB003 or SSB912
Credit: Credit Points: 12  Contact Hours: 3 per week  Incompatible with: SSB937

SSB934 PHYSIOLOGICAL PSYCHOLOGY
The physiological and cognitive bases to human behaviour: the nervous and endocrine systems of the body, the brain and its functioning: learning, information processing, memory and problem solving; consciousness and altered states of consciousness; hormones and drugs and their effects on emotional expression; the development of intelligence; and overall the relation of physiological and cognitive factors to motivation and behaviour. Some attention is also given to comparative psychology, with reference to animal/human behaviour.

Course: SS07  Prerequisites: SSB003, or SSB912
Credit: Credit Points: 12  Contact Hours: 3 per week

SSB936 PERSONALITY & PSYCHOPATHOLOGY
The concept of personality and individual differences from the viewpoint of theory; research and assessment/application; functional and dysfunctional aspects of personality; the integration of traditional and modern perspectives - psychoanalytic, trait; humanistic and social-cognitive with more modern perspectives; research methods and applications in personality studies; validity and reliability of personality profiles; biological issues in behaviour, environmental and cultural effects on personality including workplace situations, lifestyle changes.

Course: SS07  Prerequisite: SSB915
Credit: Credit Points: 12  Contact Hours: 3 per week

SSB937 APPLIED COGNITIVE PSYCHOLOGY
An introduction to the study of psychological processes and their application to professional, personal and social issues. The course examines a range of topics including: perception and interpretation of events, memory processes in cognition, decision making, problem solving and decision making, information processing, and the development of intelligence. Emphasis is given to the application of psychological concepts and theories to real-world problems and issues.

Course: SSB937
Credit: Credit Points: 12  Contact Hours: 3 per week

SSB941 PSYCHOLOGICAL ASSESSMENT
Theory and principles underlying psychological or personal assessment and testing are involved; applications are examined in psychological and personal assessment using interviews for selection, work analysis, counselling and appraisal; practical application including project or assignment work involving a short organisational placement.

Course: SSB941
Credit: Credit Points: 12  Contact Hours: 3 per week

SSB942 INDEPENDENT STUDY (PSYCHOLOGY)
Individual students undertake one or several approved learning activities within an approved content area. Activities could include literature reviews, research (mini-thesis), project, practicum (work placement and report), classroom presentation to a selected class and other activities.

Course: SSB942
Credit: Credit Points: 12  Contact Hours: 3 per week

SSB943 OCCUPATIONAL & VOCATIONAL PSYCHOLOGY
The well-being and productivity of individuals and groups in the workforce; the psychological and social effects of abuse, career planning and choice; the transition from school or college to work; adjustment at work; interests, values and ethics inherent in or related to the different workplaces and professions; theories and models of career choice and development; health and adjustment at work; unemployment.

Course: SSB943
Credit: Credit Points: 12  Contact Hours: 3 per week

SSB944 INDUSTRIAL & ORGANISATIONAL PSYCHOLOGY
This unit examines human factors in job design, occupational health and safety, work and personal motiv—
mentation, the assessment of suitability and/or of performance, and the qualities needed in career advancement.

Course: SS07
Prerequisites: SS920 and at least one of SS017 or SS915
Credit Points: 12 Contact Hours: 3 per week

SSB946 COUNSELLING THEORY & PRACTICE 2
Counselling issues and approaches in relation to loss and grief, post-traumatic stress, rehabilitation, drugs and substance abuse, relationship counselling, separation, sexual abuse, suicide, cultural differences, psychosis; current approaches to counselling including process work, brief psychotherapy, language and the construction of problems; group therapy; group counselling; analytic psychotherapy; ethical, social and moral issues in counselling.

Course: SS07
Prerequisite: SS008
Credit Points: 12 Contact Hours: 3 per week

SSB948 ADVANCED DEVELOPMENTAL PSYCHOLOGY
Primary attention is given to research methods in developmental psychology and major issues in life development will be covered including infant development, cognitive development, social development, ageing, parenthood and marriage. Students will be asked to carry out a major class research project. The primary aim is to promote the skills necessary to critically evaluate and carry out solid research in developmental psychology.

Course: SS07
Prerequisites: 36 credit points of second level psychology units including SS005 or SS913 as one of the units.
Credit Points: 12 Contact Hours: 3 per week

SSB949 INTRODUCTION TO FAMILY THERAPY
Major concepts of systemic theory as applied to families; major models of family therapy, e.g. structural, strategic, systemic, solution focused; assessment of family structures and dynamics; using therapeutic teams; reflecting team; contemporary issues in family work, e.g. gender, ethnicity, changing family foundations; specific ethical issues, e.g. confidentiality, record keeping, interaction with other systems, referral management; family dynamics.

Course: SS07
Prerequisite: SS008
Credit Points: 12 Contact Hours: 3 per week

SSB950 RESEARCH DESIGN & DATA ANALYSIS
An overview of the scientific method; the use of the null hypothesis; Type I and Type II errors; issues of control; underlying assumptions; basic experimental and non-experimental design; inferential statistics; t tests; simple regression; one-way analysis of variance; correlations and correlational analysis, computer-based statistical analysis; introduction to non-parametric analyses including Chi-Square and the analysis of ranked data. Introduction to the use of SPSS in statistical analysis.

Course: SS07
Prerequisite: SS930
Credit Points: 12 Contact Hours: 3 per week

SSB951 ADVANCED STATISTICAL ANALYSIS
A specialist statistical program is taught for the preparation and support of students using quantitative procedures for research; procedures are practised on data available in ACSPRI archives and/or from school and other research projects and will prepare for the collection of their own database for their major project; may be offered to postgraduate students enrolled in other QUT Schools and Faculties.

Course: SS07
Prerequisite: SS950
Credit Points: 12 Contact Hours: 3 per week

SSB953 SPECIAL TOPIC
As determined by the special topic presenter in conjunction with the Head of School; usually at third year level.

Course: SS07
Prerequisites: At least 144 credit points at degree level and specific units as required
Credit Points: 12 Contact Hours: 3 per week

SSB960 SOCIOLOGICAL THEORY
The unit focuses on a sustained treatment of the concept of globalisation and the theories that it has provoked in contemporary sociological debates. This will entail a look at processes of globalisation in contemporary societies and state-systems. We shall look, therefore, at the new zonal groupings - the European, North-East Asian and North American - now in the process of formation; and the economic, political and cultural trends that are leading in this direction. It will also look at Australia's place in the new world order/disorder.

Course: SS07
Prerequisite: SS000
Credit Points: 12 Contact Hours: 3 per week

SSB961 AUSTRALIAN SOCIETY: INTRODUCTION TO SOCIOLOGY
Placing sociology in its own socio-historical context, tracing the origins and development of the discipline and identifying the forces that shaped the various perspectives and theories of sociology and the associated research methodologies. Major theoretical perspectives are introduced, compared and contrasted, and sociological concepts, theories and debates are discussed within the context of the analysis of contemporary Australia. A particular emphasis in the course is directed towards those factors that appear to promote, constrain or influence social stability, social change and social inequality.

Course: PU49
Credit Points: 12 Contact Hours: 3 per week

SSB962 SURVEY METHODS
This unit introduces students to the use of social surveys in sociological research. Students will be asked to design and conduct a survey using basic statistical techniques and the SPSS computer package designed for social scientists.

Course: SS07
Credit Points: 12 Contact Hours: 3 per week

SSB964 SEX, GENDER & SOCIETY
This unit focuses on the history of feminist thought and contemporary perspectives with reference to issues of sociological inquiry. It examines the significance of perspectives from critical theory, structuralism, post-structuralism and action approaches in the development of feminist theory. The implications of feminist perspectives for research strategies will be considered with reference to feminist philosophers of science and metaphilosophers such as Sandra Harding and Dorothy Smith.

Course: SS07
Credit Points: 12 Contact Hours: 3 per week

SSB965 CULTURAL STUDIES
This unit will focus on culture and its role in the construction of the person and of social life. Much of the emphasis of this unit is on historical sociology and cross-cultural sociology; this strategic emphasis is taken in order to throw modern experiences into relief. We shall study a series of experiences which have only recently made their way into the sociological mainstream: the 'limit experiences' of madness, death, sexuality and criminality; and the 'miscellany' of social life - those experiences that were once thought too unimportant to study, such as swimming, walking, spitting and eating.

Credit Points: 12 Contact Hours: 3 per week
■ SSB966 INDEPENDENT STUDY (SOCIOLGY)
This unit gives students the opportunity to work on their own research programs under supervision. Students will, either individually or in small groups, undertake a reading program in an approved content area leading to written work of around 4,000 words.
Prerequisites: 60 credit points in sociology
Credit Points: 12
Contact Hours:
■ SSB969 SOCIOLOGICAL THEORY & ANALYSIS
This unit concentrates on two central issues in sociological work: the relationship between the sphere of political positions and that of culture, and the place of theory in the broader task of sociological analysis. Theoretical approaches to the determination of cultural practices are explored from the major nineteenth century theorists to contemporary challenges from ethnomethodological, feminist, poststructuralist and postmodern perspectives. These approaches are also explored with reference to their relationship to research strategies.
Course: SSB7
Credit Points: 12
Contact Hours: 3 per week
■ SSB970 ECONOMIC SOCIOLOGY
This unit examines major perspectives in the study of work and organisations and their implications for research strategies. Specifically, it looks at the development of a theoretical industrial sociology and challenges to this orthodoxy with reference to Taylorist, Fordist and Post-Fordist accounts of work organisation. The relevance of this ‘discourse on industry’ is examined in the light of contemporary perspectives such as feminism, poststructuralism and ethnomethodology.
Course: SSB7
Credit Points: 12
Contact Hours: 3 per week
■ SSB971 POLITICAL SOCIOLOGY
This unit examines a variety of sociological themes which might broadly be termed ‘political’. Central to the unit will be an examination of sociological conceptions of power. Typically, sociologists have examined power in connection with the state; power has frequently been regarded as flowing from the state. We shall examine these debates, and move on to recent theorisations which have begun to detach power from the state. We shall take some case studies to make these distinctions clearer, including the construction of an Australian administrative elite, the notion of ‘police’ in seventeenth and eighteenth century Europe, and compulsory education as the sphere of the reproduction of social relationships.
Courses: SSB7
Credit Points: 12
Contact Hours: 3 per week
■ SSB972 ETHNICITY, NATIONALISM AND CULTURAL DIVERSITY IN THE CONTEMPORARY WORLD
Ethnicity and nationalism appear to play the central role in shaping the contemporary condition in many different parts of the globe. After clarifying definitional problems, students will be given comprehensive overviews of different theories in the field of ethnicity and nationalism. The main emphasis will be placed on ‘instrumental’, ‘primordial’ and ‘modernist’ approaches and the sorts of explanation these offer for the powerfulness and persistence of the phenomenon. Finally, we shall look at how nationalism influences the construction of individual and collective identities by examining myths, ideology and symbols employed by nationalist discourses.
Credit Points: 12
Contact Hours: 3 per week
■ SSB973 SOCIAL THEORY AND SOCIAL CHANGE IN CONTEMPORARY EUROPE
This unit will address contemporary European social theory and the way it reflects upon societal change. The focus will be placed on three major changes that occurred since the 1960s: firstly, the emergence of new social movements; secondly, the end of the Cold War which brought about rapid changes in Eastern Europe; and thirdly, the formation of the European Union. Historical and social theoretical perspectives will be used simultaneously. It will be shown how new social movements in Eastern Europe contributed to the collapse of imposed rationality and the existing order. The end of the Cold War and the subsequent ideological and political fragmentation of Eastern Europe have profoundly affected the European landscape. The ideology of the New World Order was quickly to hand to legitimise these contemporary European as well as global events. Theory developed both fatalistic as well as critical and modest accounts of this change.
Credit Points: 12
Contact Hours: 3 per week
■ SSB974 SOCIOLOGY OF SCIENTIFIC KNOWLEDGE
In recent years, sociologists have come to see the value of studying the construction of scientific knowledge, overcoming a vague distaste for scientific activity and recognising the importance of understanding the major truth-providing discourse of our age. This unit will introduce students to the various methodological approaches used in the study of scientific knowledge; go through a variety of case studies which will demonstrate the ‘constructedness’ of such knowledge; and demonstrate the implications of such study for an understanding of our changing society.
Credit Points: 12
Contact Hours: 3 per week
■ SSB975 HISTORY OF THE HUMAN SCIENCES
Since the nineteenth century, a variety of sciences have emerged which have taken the activities of ‘man’ as their object. Economics, biology and linguistics were radically reformed, and a variety of new sciences such as sociology, psychology and anthropology joined in the attempt to make the human body and soul ‘calculable’, as Nietzsche put it, to translate human life into a register of numbers, graphs, and dossiers. This unit will examine the conditions which allowed for the genesis of these human sciences; examine how these sciences transformed their putative object of study; and assess the interconnection between these new forms of knowledge and new ways of administering the conduct of life.
Credit Points: 12
Contact Hours: 3 per week
■ SSB980 ADVANCED SOCIOLOGICAL THEORY
Wide range of contemporary sociological theories; current debates and critiques of leading social theorists.
Course: SSB7
Prerequisite: SSB960
Credit Points: 12
Contact Hours: 3 per week
■ SSB981 ACTION RESEARCH & PROFESSIONAL PRACTICE
The implementation and monitoring of change within areas of professional practice.
Course: SSB7
Prerequisite: SSB969
Credit Points: 12
Contact Hours: 3 per week
■ SSB989 HEALTH & THE LIFE CYCLE
An examination of changing patterns of individual wellness, illness and mortality often coinciding with life cycle changes or ‘rites of passage’; the social, cultural, anthropological and technological aspects of the prebirth and post-death phases; analysis of the cyclical process; compared and contrasted with a psychological human development approach.
Courses: ED26, ED50
Credit Points: 12
Contact Hours: 3 per week
■ SSB990 THESIS
This unit is the first of two units whereby students select a research topic and design a related research program using appropriate quantitative/qualitative methods of analysis. Assessment of the thesis will be in accordance with University assessment procedures.
Course: SSB990
Credit Points: 12
Contact Hours: 3 per week

■ SSB991 ADVANCED RESEARCH METHODS
The unit provides a critical review of the scientific methods as used in psychological research, and other issues in experimental and non-experimental research design. In addition there will be continued exposure to advanced quantitative analysis techniques, including discriminant analysis, multidimensional scaling and factor analysis. Qualitative research issues and techniques will also be considered.
Course: SSB991
Prerequisite: SSB951 or equivalent
Credit Points: 12
Contact Hours: 3 per week

■ SSB992 COUNSELLING PSYCHOLOGY
This unit builds on the major undergraduate specialisation in counselling and examines professional practice issues in counselling, such as supervision and ethical practice and critical integration of theory, research and practice. Assessment by literature review and demonstration of skills.
Course: SSB992
Prerequisites: SSB008 and either SSB946 or SSB949
Credit Points: 12
Contact Hours: 3 per week

■ SSB993 COGNITIVE NEUROPSYCHOLOGY
This unit helps develop an understanding of the nature and behavioural consequences of neuropsychology with respect to the various stages of cognitive processing: perception and attention; learning and memory; language and concept formation; and higher-order intellectual and executive functions. The role of neuropsychological assessment in differential diagnosis is emphasised. Assessment involves evaluations of case study material, an essay and examination including multiple-choice and short-answer questions.
Course: SSB993
Prerequisites: SSB933 and SSB934 and SSB941
Credit Points: 12
Contact Hours: 3 per week

■ SSB994 ADVANCED SOCIAL AND DEVELOPMENTAL PSYCHOLOGY
This unit addresses issues in developmental and social psychology in a multicultural context. Students are required to investigate in depth one of four broad areas: gender issues; temporal perspectives; the construction and impact of bias; and themes in adult development. The course proceeds through introductory lectures to student presentations on topics of interest chosen from the four broad areas above. Assessment is by the development of a research proposal, a literature review and presentation.
Course: SSB994
Prerequisites: SSB913, SSB915, SSB948
Credit Points: 12
Contact Hours: 3 per week

■ SSB995 ADVANCED ORGANISATIONAL PSYCHOLOGY
This unit builds on studies in SSB944 Industrial and Organisational Psychology or its equivalent at advanced undergraduate level. Special attention will be given to human interactions at work, including concepts and issues relating to selection and assessment, work design, team development, performance measures and management, management theory and practice, role of change agents, competency-based assessment and training, community and environmental factors, the effects of organisational structure and group dynamics, including conflict analysis and resolution.
Course: SSB995
Prerequisites: SSB915 and SSB944
Credit Points: 12
Contact Hours: 3 per week

■ SSB996 THESIS
Continuation of SSB990.
Course: SSB996
Prerequisite: SSB990
Credit Points: 12
Contact Hours: 3 per week

■ SSB997 RESEARCH & PROFESSIONAL DEVELOPMENT SEMINAR
This unit will be conducted in association with SSB996. Presentation of research data, analysis and associated psychological research issues will be discussed. In addition, the unit will give attention to all aspects of the Code of Professional Conduct including the provision of psychological services, legal and ethical responsibility and interaction with other professional and personnel responsible for ongoing training. Assessment will be on a presentation of a written paper covering the above areas.
Course: SSB997
Prerequisite: SSB991
Credit Points: 12
Contact Hours: 3 per week

■ SSN000 COUNSELLING STUDIES 1
Provides a conceptual overview of the history of counselling and the most significant contemporary developments in the field; selected models of brief problem-oriented and solution-focused therapies, and their application across a variety of counselling contexts; the analysis of human problems in lifespan developmental and social contexts, and on the conceptual understanding, practical skills, and critical evaluation of some therapeutic approaches.
Course: SSN000
Credit Points: 12
Contact Hours: 3 per week

■ SSN001 PROFESSIONAL STUDIES 1
The development of foundational interpersonal and relationship-building skills which are viewed as relevant to the counselling process regardless of theoretical orientation. Interpersonal skills and insights are developed through an introduction to groupwork, together with micro-skills workshops involving interpersonal process recall. The development of ethical practices in counselling and an ongoing commitment to critical reflection on counselling (e.g. the ideology of counselling, the status of counselling knowledge, and issues relating to gender, ethnicity and class).
Course: SSN001
Credit Points: 12
Contact Hours: 3 per week

■ SSN002 COUNSELLING STUDIES 2
The historical development of psychoanalysis; psychodynamics in counselling practice; hypnosis and unconscious phenomena in counselling; scientific credibility of psychoanalytic psychotherapy; assessment of neurosis and psychosis in counselling.
Course: SSN002
Prerequisite: SSN000
Credit Points: 12
Contact Hours: 3 per week

■ SSN003 GROUP STUDIES
The development of skills and experience in organising and facilitating group work, in the context of personal support and therapeutic groups. Establishing group norms; facilitating stages of group development; responding to member behaviour and facilitator interventions; planning, implementing and evaluating ethical group work practices; dealing with defensiveness and hidden agendas; applying brief solutions-focussed and other counselling theory to groups; examining the motion of the therapeutic milieu.
Course: SSN003
Prerequisite: SSN001
Credit Points: 12
Contact Hours: 3 per week
SSN004 COUNSELLING STUDIES 3
The theory and research relating to family/marital developmental transitions, contemporary changes to family life, and the field of relational or systemic therapies. A selective emphasis is placed on models which build on the knowledge and skills developed in SSN001 and SSN002. Thus major emphases will include solution-oriented and psychodynamic approaches to relationship counselling.
Course: SS12
Pre requisite: SSN002
Credit Points: 12
Contact Hours: 3 per week

SSN005 RESEARCH METHODS AND ISSUES
Different approaches to, and perspectives on, research used across the disciplines of social science. Philosophical and ethical issues will be related to questions of methodology. The unit consists of formal teaching input from lecturers, together with a seminar component in which students will present preliminary proposals for their independent project for group discussion and feedback.
Prerequisite: SSN002 (for Counselling major only)
Credit Points: 12
Contact Hours: 3 per week

SSN006 PROFESSIONAL STUDIES 2
This unit continues the themes of integration and reflection introduced in SSN001. It has two related parts: (a) The experience of group supervision is used as a context for reflection, critical analysis and integration in relation to both specific counselling skills and broader issues of professional practice (e.g. professional ethics, case management, assessment and referral). (b) As well as meeting fortnightly for group supervision, students attend seminars on selected topics and issues relating to the theme of critical reflection on counselling practice. This will involve perspectives from outside traditional counselling discourse (e.g. sociology, history, political theory, gender studies) and will focus on their relevance and implications for counselling practice. The student's experience of ongoing casework and the supervisory process will be used to focus critical reflection in these areas.
Course: SS12
Pre requisite: SSN001
Credit Points: 12
Contact Hours: 3 per week

SSN007 PROFESSIONAL STUDIES 3
Continuation of SSN006. Additionally, however, there is an emphasis on students learning and demonstrating supervision skills. The other major aspect of the subject consists of a graduate seminar in which students will present work based on their research projects.
Prerequisite: SSN005
Credit Points: 12
Contact Hours: 3 per week

SSN008 PROJECT
Students undertake an individual project of theoretical and/or empirical research in a selected area of counselling. The project is supervised by a member of the teaching staff. The completed project is to be presented in the form of a dissertation of not more than 15,000 words.
Course: SS12
Prerequisite: SSN006
Credit Points: 36

SSN009 FAMILY THERAPY PRACTICE
This unit builds upon and extends the family therapy concepts and skills provided in SSN004. Greater emphasis is placed on tailoring a family therapy role to the needs of the student's individual work context. Where practicable, students will also have the opportunity to participate in the actual practice of family therapy sessions in the School's Family Therapy and Counselling Clinic. Students will either conduct therapy sessions under supervision, or participate as members of consulting teams.
Course: SS12
Pre requisite: SSN004
Credit Points: 12
Contact Hours: 3 per week

SSN010 CAREER COUNSELLING
Theoretical approaches to career guidance; resources and information for career guidance; the development and implementation of career education programs; and specific counselling skills related to career guidance. Major areas of study will include developmental theory, contemporary changes to the world of work (e.g. industrial relations, workplace changes) and computer applications (e.g. the Job and Course Explorer Program). Provision is made for students to carry out independent research in the field.
Course: SS12
Pre requisite: SSN000
Credit Points: 12
Contact Hours: 3 per week

SSN011 INDEPENDENT STUDY
Students may elect to undertake an individual reading or research studies in an area of counselling which is of personal or professional interest, and which is not covered in other parts of the course. The project must be approved by the Course Coordinator, and will be supervised by a member of staff, with whom the student will negotiate the precise topic and mode of assessment.
Course: SS12
Pre requisite: SSN000
Credit Points: 12

SSN012 COUNSELLING AND ORGANISATIONS
Examination of helping organisations as bureaucracies; organisational responses to social change; stress within helping organisations; issues of teamwork among professional helpers; and the negotiation of effective counselling roles within organisations.
Course: SS12
Pre requisite: SSN000
Credit Points: 12
Contact Hours: 3 per week

SSN013 ADVANCED COUNSELLING STUDIES
This unit provides for advanced studies in a chosen area of counselling theory and practice. It is designed to provide a greater depth of study in one of the major theoretical covered in the course (e.g. brief therapy, psychodynamic therapy, group work) or to allow specialised studies in orientations which are not heavily emphasised in the course. Such areas could include experiential therapies (e.g. Gestalt, Process-Oriented Psychotherapy, Psychodrama, Art Therapy, Couples Therapy, etc.). The particular focus of this elective in any year will depend upon student interest plus availability of suitable staff and resources.
Course: SS12
Pre requisite: SSN004
Credit Points: 12
Contact Hours: 3 per week

SSP017 COUNSELLING IN GROUPS
Organising and facilitating group work; establishing group norms; stages of group development; member behaviour and facilitator interventions; models and ethics of group work.
Course: SS10
Credit Points: 8
Contact Hours: 3 per week

SVB688 PROFESSIONAL PRACTICE A
Preparing surveyors for professional practice either as employer or employee.
Course: IF52
Pre requisite: Successful completion of units totalling not less than 100 hours of weekly contact time including SVB573.
Credit Points: 4
Contact Hours: 2 per week