HANDBOOK

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QUT

Queensland University of Technology

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Information compiled in September 1995

Produced by QUT Publications

Edited by Sue Jarvis

Compiled by Colleen Jamieson

ISSN 1034-3989

Printed by Prestige Litho

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General Information

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PREFACE

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
Summer School		
08 – 12 January	**Week 1**	01 January – New Year's Day
15 – 19 January	**Week 2**	
22 – 25 January	**Week 3**	26 January – Australia Day
29 January – 02 February	**Week 4**	
05 – 09 February	**Week 5**	
First Semester		
04 – 07 February	**International Student Orientation**	
08 – 09 February	**Orientation**	
12 – 16 February	**Week 1**	
	12 February First Semester commences	
19 – 23 February	**Week 2**	
26 February – 01 March	**Week 3**	
04 – 08 March	**Week 4**	
11 – 15 March	**Week 5**	
18 – 22 March	**Week 6**	
25 – 29 March	**Week 7**	
	31 March First Semester Census	
01 – 04 April	**Week 8**	05 April – Good Friday
08 – 12 April	**Vacation**	06 April – Easter Saturday
		08 April – Easter Monday
15 – 19 April	**Week 9**	
22 – 26 April	**Week 10**	25 April – Anzac Day
29 April – 03 May	**Week 11**	
06 – 10 May	**Week 12**	06 May – Labour Day
13 – 17 May	**Week 13**	
20 – 24 May	**Week 14**	
27 – 31May	**Exam preparation**	
03 June – 22 June	**Examinations (includes Saturdays)**	10 June – Queen's Birthday
24 June – 12 July	**Vacation**	
Second Semester		
10 – 12 July	**International Student Orientation**	
15 – 19 July	**Week 1**	
	15 July Second Semester commences	
22 – 26 July	**Week 2**	
29 July – 02 August	**Week 3**	
05 – 09 August	**Week 4**	
12 – 16 August	**Week 5**	14 August – Exhibition Day
19 – 23 August	**Week 6**	(unconfirmed)*
26 – 30 August	**Week 7**	
	31 August Second Semester Census	
02 – 06 September	**Week 8**	
09 – 13 September	**Week 9**	
16 – 20 September	**Week 10**	
23 – 27 September	**Week 11**	
30 September – 04 October	**Vacation**	
07 – 11 October	**Week 12**	
14 – 18 October	**Week 13**	
21 – 25 October	**Week 14**	
28 October – 01 November	**Exam preparation**	
04 – 23 November	**Examinations (includes Saturdays)**	
		25 December – Christmas Day
		26 December – Boxing Day

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

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, BEcon *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 *Lond.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. Corderoy, BSc(Tech)(Merit) MEngSc PhD *UNSW*, Barrister of the Supreme Court NSW, CPEng, 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, Academic Staff Development: Professor P.C. Candy, BA BCom *Melb.*, DipEd *Adel.*, DipContEd *NE*, MEd *Manc.*, EdD *Br.Col.*
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) GradDipAbEd *UNE*, GradDipEd *UNSW*, BA *ANU*
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*, GradDipBusAdmin *QIT*
Campus Registrar (Kelvin Grove): D.W. Spann, BA *Qld*
Campus Registrar (Carseldine): E.D. Harding, BA *Qld*
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 *Canb.*, MBA *Qld*, AALIA, AIMM
Computing Services Director: J.D. Noad, MSc *Qld*, MACS
Audiovisual Services Director: G.A. Roberts, BA DipEd *UNSW*, MScEd 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 Supreme Court of NSW, CPEng FIEAust.
Educational Services Manager: D. Stent, QDA BA MAgrSt *Qld*
Commercial Services Manager: C. Melvin, BBus *QIT*, MBA *Qld*
Research Manager: Norma H. Gilbert, BA(Hons) MEd DipEd GradDipEdAdmin
Development Manager: R. Miller, BA(Hons) MA *Qld*, CFRE, AFAIM

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*
Lecturers:
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
Senior Lecturer: J. Martin, DipT *Kelvin Grove*, BA PhD *Stockholm*, LTCL
Lecturers:
D.G. Batchelor, BA(Hons) PhD *Qld*
D.M. Eden, BA *Qld*, ASDA, ATCL
J.A. Hamilton, DipT BEd *Kelvin Grove*, MA *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:
A.R. Brown, BEd(Music) *Melb.CAE,* GradDipComp *Deakin,* MEd(Music) *Melb.*
B. Millard, BMus *QCM*, LMA, LTCL

Visual Arts

Head of Visual Arts: J.M.J. Armstrong
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Lecturers:
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V.L. Garnons-Williams, BEd(Sec) 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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T.C. Ross, BA(Hons) *Syd.*
M. Webb, DipFineArts *QCA*

Centre for Innovation in the Arts

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

School of Humanities

Head of School: Professor G.C.L. Hazlehurst, BA(Hons) *Melb.,* DPhil *Oxf.,* FRSL, FRHistS, FRSA
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C.A. Trocki, BA *Cleveland*, MA PhD *C'nell*
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K.M. Hazlehurst, BA(Hons) *McG;* MA, PhD *Tor.*
P.J. Isaacs, BTh *Urban,* BD *Qld*, GDipEd *Lond.*, MA PhD *Exe.*
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Lecturers:
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C.StC. Higgins, BA MLitSt *Qld,* MA LitCom *Murdoch*
P.D. Hutton, BA BEd MA *Qld*

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V. Muller, BA(Hons) DipEd MLitSt *Qld*
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A.M. Quanchi, TPTC *Frankston*, BA(Hons) MA *Monash*
A.J. Williamson-Fien, BEcon BA *Qld*, MA *Griff.*
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H. Bucknall, LLB *Kansai*, DipEd *Qld*
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B.E. Hanna, BA(Hons) PhD *Qld*, Maîtrise des Sciences du Languages Naati Translatoir *Franche-Comté*
P.A. Hastings, BA, PhD *Qld*
M. Parry, BEd *Kochi* (Japan)
D.I. Scott, BA(Hons) PhD *N'cle (NSW)*
C. Whittington, BEd *Airlangga,* DipTeachESL *Yogyakarta*

School of Media and Journalism

Head of School (Acting): R.R.L. Williams, BEd*Qld*, MA *Loyola*, SMPTE,PDGA
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P.M. Neilsen, BA(Hons) MA PhD *Qld*, ASA
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L. Faulkner, BSc *Qld*
E. Ferrier, BA(Hons) *Qld*, MA *Queens*, PhD *Qld*
S. Frost, CertT *Mt Gravatt*, ADArt *QCA*, DipArts *AFTRS*, BA *Qld*,MBus
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I. Stocks, BA(Hons) *Monash*
H. Yeates, BA BEdSt *Qld*, GradDipMedia *AFTRS*, MBus(Comn)
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P. Schembri, BA(Hons) DipEd *Qld*, BBus(Comn) *QIT*, MBus(Comn)
S. Tapsall, BA *CIAE*
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J.E. McGown, ADArts(F&TV) *Brisbane*

Centre for Media Policy and Practice

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Deputy Director: C. Hippocrates, BA MJourn *Qld*
Senior Research Assistant: T. Frew, MEc *Syd.*
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School of Social Science

Head of School: Professor M. Sheehan, BA(Hons) GradDip(Clinical Psych) *NSW,* PhD *Qld*
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B. O'Connor, BEd *Qld*, MEd *Oregon*, PhD *Qld*, CDTRT
S. Smith, BSc(Hons) PhD *Qld*
J. Tomlinson, BSocStud MSocWk BA(Hons) *Qld*, PhD *Murdoch*
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B. Adkins, BA(Hons)
D. Axten, BA BEd MEdSt *Qld*, LSDA, FTCL, TCM *Lond.*
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T. Fox, BSocSc GradDipEd PBCE(EdPsych) MEd PhD *Can.*
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Gow, K. BA(Hons) PhD, MAPsP, MASH, MAITD, MISH
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C. McDonald, BSocSt *Syd.*, MSocWkAdmin&Planning *Qld*
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Z. Skrbis, Dip(SocCult&Philos) PhD *Flind.*
J.L. Smith, BSocWk MSocWk *Qld*
S. Smith, BSc(Hons) PhD *Qld*
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W. Croft, BA(Hons) *Kent*, PGCert(ESL) *Leic.*
D.M. Keogh, BA *Griff.*, DipEd MSocPlanning&Devt *Qld*

Faculty of Built Environment and Engineering

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Executive Assistant to the Dean: R.W. Nicol, BE(Hons) MEngSc *Qld*, MIEAust
Chair in Urban Studies: Professor R.J. Stimson, BA LittB *NE*, PhD *Flin.*
NOTE Coordinators:
J.G. Danslow, BE(Hons) *Qld*, GradDipBusAdmin
D. Messer, BSc(Geology) *Qld*, MEd(Guidance & Counselling)
Faculty Administration Manager: J. Mannion, CertT *Mt Gravatt*, BA *Qld*, GradDipComComp

Charles Fulton School of Architecture, Interior and Industrial Design

Head of School: Associate Professor G.A. Holden, DipArch *Central Tech. College*, MA(Urban Design) *Manc.*, FRAIA
Emeritus Professor T.F.W. Heath, MArch MBldgSc *Syd.*, LFRAIA, MDIA, FRSA
Professor: B.P. Lim, BArch DipTCP PhD *Syd.*, FRAIA, MRIBA, MSIA
Associate Professor: V. Popovic, DipEngArch *Belgrade*, MFA (Industrial Design) *Ill.*, FDIA SPID-YU

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Lecturers:
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M. Molloy, BA(Hons) *M'dlsex Poly Tech.*, ARIDO, IDC
S. Savage, BDesStud BArch(Hons) *Qld*, DipAdult&VocEd *Griff.*, ARAIA
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S. Thomson, BDesSt BArch *Qld*
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School of Civil Engineering

Head of School: Professor R.J. Troutbeck, BE MEngSc *Melb.*, PhD *Qld*, MIEAust
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T.L. Piggott, BE *UNSW*, MSc *Trinity College*, MIEAust, MAWWA, RPEQ
Lecturers:
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G.A. Jenkins, CertCivilEng BE(Hons) *N'cle(NSW)*, PhD *Monash,* MIEAust
M.H. Murray, BE PhD *Melb.*, MIEAust
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Associate Lecturers:
T.J. Heldt, BEng, MIEAust
W.E. Mathieson, BE(Hons) AssocDipMechEng
S.M. Wilkinson, MEng *QUT*
Laboratory Manager: G. Rasmussen, CertCivilEng *QIT,* GradDipInfoSys
Laboratory Supervisors:
L. Dawes, BAppSc(Geology) *QIT*
T. Laimer, CertLabTech CertChem *QIT*
G. Morris, AssocDipCivilEng *QIT*
L. Nicol
G. Ramsay, BAppSc(Physics)
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Physical Infrastructure Centre

Director: Associate Professor G.H. Brameld, BE(Hons) MEngSc BCom PhD *Qld,* MIEAust, MIABSE
Research, Investigation and Development Manager: D. Corbett, BA FullTechCertProd Eng PGCE
Research, Investigation and Development Senior Technician: W.S. Roberts, BE(Hons) MAISC, MIABSE, GradIEAust.

School of Construction Management

Head of School: R.M. Skitmore, MSc PhD *Salford,* FRICS, MCIOB
Principal Lecturer: G.B. Thomas, MS(Urban Planning) *Ill.*, ARICS, AIB
Senior Lecturers:
D.B. Adamson, HNC (Const) *LivPoly.*, MCIOB(II), MCIOB, MAIB, MAIPM
D. Campbell-Stewart, DipQS *QIT,* FAIQS
W.G. Earl, DipQs GradDipProjDev *QIT,* MAppSc (PropDev) AVLE(Econ), MAIPM, AAIQS
K.D. Hampson, BEng(Hons) GradDipBusAdmin *QIT,* MBA, PhD *Stan.*, LGE, MIEAust, RPEQ, AFAIM
Lecturers:
L.A. Armitage, DipSurv *Oxf.PolyTech*, MEnvPlanning *Macq.*, FRICS, FVLE(Econ), FVLE(Val), RegValuer (NSW & Qld)
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S.L. Kajewski, BEng(Hons) GDProjectMgt MBuiltEnv(ProjMgt), MIEAust, CPEng, RPEQ
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), AIArbA
B.M. Woolnough, FRAIA, RegArch
Associate Lecturer:
J. Yang, BE *Dalian Uni of T,* PhD

School of Electrical and Electronic Systems Engineering

Head of School: Professor M.P. Moody, BE(Hons) MEngSc BA PhD *Qld*, FIEAust, FIREE, SMIEEE, MACE, MACES, MAES, RPEQ, CPEng
Professor: Professor B. Boashash, BE *Lyon,* MSc PhD *Inst. Nat. Poly., Grenoble,* SMIEEE, FIREE, FIEAust
Associate Professors:
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Visiting Professors:
Adjunct Professor S.M.P. Chin, BE(Hons) MEngSc PhD *Melb.*, CEng, FIEAust, FIEE, FIREE, SMIEEE, FIES, FIMC, SMICS
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K. McIvor, BEng(Elec) *QIT*
Laboratory Manager: R.W. Jensen, AssocDipElecEng *QIT,* CertSmallBusMgt *TAFE*
Senior Technicians:
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A.P. Clay, BAppSc CertCompElectronics *TAFE*
D.J. Hay, AssocDipElecEng *QIT*
P.B. McMahon, ADElecEng *USQ*

Centre for Research Signal Processing

Director: Professor B. Boashash, BE *Lyon,* MSc PhD *Inst. Nat. Poly., Grenoble,* SMIEEE, FIREE, FIEAust

School of Mechanical and Manufacturing Engineering

Head of School: Professor W.C.K. Wong, MSc *Aston*, PhD *Birm.*, CEng, FIEAust, MIMechE, MIEE
Professor of Biomedical Engineering: M.J. Pearcy, BSc *Brist.,* CEng, CPEng(Biomed) PhD *Strath.*

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Fuchs Professor of Tribology: W. Scott, MSc PhD *Leeds*, CEng, FIEAust, MIMechE, MSTLE
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C.C. Tan, BSc(Hons) PhD *Lond.*, MIMechE, MIEAust, MIEM
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R. Clegg, BE *Qld.*, PhD *Camb.*
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N.F. Munro, BEng *QIT*, MIEAust
K. Palmer, CertIndMetall *STC*, TEng, AMIM, MAIMM
M. Pulsonetti, BSc MSc *NY*, PhD *Qld*
Technologist: M. Hayne, ADMechEng *QIT*

School of Planning, Landscape Architecture and Surveying
Head of School (Acting): Associate Professor B.J. Hannigan, BA *Macq.*, MSurvMap *Qld*, LS(Qld), FISAust, MAIC, MAIMES
Professor: K. Kubik, BSc *T.H.Delft*, DipEng DrTechn *Tech Uni, Vienna*
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G. Williams, BArch *Qld*, DipLD *N'cle(UK)*, FAILA, MRAIPR, JP
Lecturers:
J. Allison, BA(Hons) MRegSc *Qld*, GradDipLib *Riverina*, PhD
S.F. Buzer, BA(Hons) PhD *Qld*, MEIA, MAURISA, MAIG
J.S. Cook, BSurv BA BEcon PhD *Qld*, CertREVals LS(Qld), FISAust, MRAHS, MAURISA
M.W. Harris, MSurv *Qld*,
K. Jones, MSurv *Qld*, LS(Qld), MISAust, MASPRS, MPS
D.J. O'Hare, BTP(Hons) *UNSW*, GDipUrbDes MA(UD) *Oxf.PolyTech*

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Australian Housing and Urban Research Institute

Coordinator: Professor R.J. Stimson, BALittB *NE.*, PhD *Flin.*

Australian Key Centre in Land Information Studies

Executive Director: C. Tong Wu, BArch PhD *Calif.(Berkley),* MSc *Col.,* MRAPI

Faculty of Business

Dean: Professor Trevor Grigg, BE(Hons) BEcon PhD *Qld*, MIEAust.
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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

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M. O'Sullivan, BBus(Accy)
A. Pape, BBus
N. Nigel Sorby-Adams, BBus *Darling Downs,* MBA *Qld*, AASA, FCPA, FTIA
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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

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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* GradDipTeach(Sec), Barrister-at-Law
M. Pearce, BCom *Qld*, LLB(Hons)
S. Rodman, BCom LLB *Qld*
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School of Communication

Head of School (Acting): L.E. Simpson, DipT *Mt Gravatt*, BEd *Brisbane*, MEd *James Cook*
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H A Stevenson, MA *Hawaii*, FPRIA, APR
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B. McKenna, BA *Qld*, DipT, BEd *Brisbane*, M.Phil *Griffith*
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R. Wilson, BJ(Hons) *Carleton*, MPRIA
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School of Economics and Finance

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

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P.J. Sutcliffe, BEcon(Hons) MEcon(Hons) *Syd.*
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M.A. Barrett, BA(Hons) MBA PhD *Qld*
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School of Marketing and International Business

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J.James, BA(Econ) MEconSt *Qld*
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Australian Centre in Strategic Management

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Faculty of Education

Faculty Office

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Assistant Dean: R.J. Hardingham, BSc DipEd BEd MEdAdmin PhD *Qld*, MACE
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School of Cultural and Policy Studies

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School of Curriculum and Professional Studies*
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School of Early Childhood
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C. Weddell, DipTeach *CIAE*, BEd GradDipEc *BCAE,* MEdSt *Qld*

School of Language and Literacy Education

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School of Learning and Development

Head of School: Associate Professor G.M. Boulton-Lewis, CertT *NSW*, MEd *Canberra CAE*, BA PhD *Qld*, FACE
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W. Patton, BEd *James Cook*, BA(Hons) PhD *Qld*
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Lecturers:
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School of Mathematics, Science and Technology Education
Head of School: Associate Professor T.J. Cooper, BSc(Hons) DipEd PhD *Adel*
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School of Social, Business and Environmental Education*
Head of School:
Senior Lecturers:
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J.S. Miles, BA DipEd *Qld*

G.J. Shipstone, BEcon MA *Qld*, DipMulticulturalSt *Armidale*
C.R. Velde, DipT (Adult Further Ed) BEd *South Australia CAE*, MEd (Admin) PhD *Flin.*
E.A. Woodward, DipT 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, MScOptom *Melb.*, LOSc, FAAO
Faculty Administration Manager: M. McCreath, 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 *EPVic.BC,* PhD *W.Aust*
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, DPE 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*, MHlthSc *Charles Sturt*, FRCNA
Senior Lecturers:
A. Cushing RN, DipEd *Melb.*, BA(Hons) PhD *Monash*
S. Dunn RN, BNurs *NYState*, MNurs *Wash.*, PhD
H. Edwards RN, DipAppSc *QIT*, BA(Hons) *Qld,* FRCNA
D. Gaskill RN, BAppSc GradDipHSc *WAIT,* MAppSc *Curtin*
T. Meehan RN, DAppSc BHlthSc MPH G.Cert Survey & Data Analysis, FANZCMHN, MCN
F. Sanders RN, DipAppSc ComNurs *Lincoln,* BA MSocPlanDev *Qld,* FRCNA
R.N. Thornton RN, DipNursEd *Cumberland,* GradDipAdmin *Kuring-gai*, BEd *S.Aust.CAE,* GradDipCLNutrition *IAN,* MHPEd *UNSW*, FRCNA
B. Tooth RN, BA(Hons) PhD *W'gong*
D. Weir RN, BA BSc(Hons) *Flin.,* MSc *Qld*
P. Yates RN, DipAppSc *QIT,* BA MSocSc *Qld*, FRCNA

Lecturers:
D. Anderson RN, BA *Qld,* GDNursSt *Armidale*, MNurs *Flin.*
A. Barnard RN, BA MA *Macq.*
J.M.A. Bichel RN, BAppSc, MPH, FRCNA
D. Collins, RN, BA *Qld*, BAppSc *QIT*, FRCNA
A.L. Dewar RN, BA BAN *Sask.*, MHP *UNSW*
R. Elder RN, BA(Hons) *Qld*
B. Fentiman RN, DipAppSc BAppSc *QIT,* MEd, FRCNA
J. Foster RN, Renal Cert DipAppSc(NEd) BNurs
S. Goold OAM, RN, DipNursEd MNursStud *Flin.* BAppSc, FRCNA
C. Green RN, DipAppScNurs DipT(NursEd) BNurs *S.Aust.CAE,* MEd *Deakin*
M. Harris RN, DipComHlthNurs *WAIT,* BBus (Hlth Admin) *QIT*, MSc *Griff.*
J. Holzl RN, BAppSc *Canb.,* MNurs
J. Langham RN, BA(Hons)
J. Mannion RN, DipAppSc(Community) BAppSc(Nursing) GradDipAppSc(Counselling) MHA *UNSW*, FRCNA
J. McArdle RN, DipD *Melb.,* DipT *Adel.CAE,* BEd *S.Aust.CAE*
S. Scarlett RN, BA *Well.,* MHP *UNSW*
K. Theobold RN, BAppSc MHlthSc
C. Windsor RN, BA(Hons) *Griff.*
J. Wollin RN, DipComHlthNurs, BA *Gippsland*, MAppSc(Rsch) FRCNA
Associate Lecturers:
J. Cunningham RN, BAppSc DipAppScNEd MA
V. Keating RN, BA BNurs
H. McCosker RN, BAppSc
L. Mungomery RN, BNurs
C. Nagle RN, BAppSc MPH(Qld)
H. Nutter RN, DipAppScClinNsg BAppSc
C. Palmer RN, DipAppSc *QIT,* BAppSc
C. Purcell RN, BAppSc(Nurs) PhD
S. Smith RN, BNurs GCert(Cardiothoracic)

School of Optometry

Head of School: Professor L.G. Carney, BAppSc MSc(Optom) PhD *Melb.,* LOSc, FAAO
Associate Professors:
D.A. Atchison, MSc(Optom) PhD *Melb.,* FAAO
J. E. Lovie-Kitchin, MSc(Optom) *Melb.,* GradDipRehab *LaT.,* LOSc, FAAO
P. G. Swann, BSc(Hons) *Aston,* MAppSc, FBCO, FAAO
Senior Lecturers:
M. J. Collins, DipAppSc(Optometry) *QIT,* MAppSc, FAAO
C. F. Wildsoet, DipAppSc *QIT*, BSc(Hons) PhD *Qld*
J.M. Wood, BSc(Hons) PhD *Aston,* MBCO, FAAO
Lecturer:
J. D. Bevan, DipAppSc *QIT*, GradDipHlthEd *Brisbane,* MSc *Griff.*
Clinic Administrator: V. Shuley, BOptom *UNSW*

School of Public Health

Head of School: B.F. Oldenburg, BSc(Hons) MPsych PhD *UNSW*
Associate Professors:
M. Capra, MSc *Syd.,* PhD *Otago*
D. Stewart BA(Hons) *Durh.,* MA(Ed) *Leic.*, PGCertEd *Oxf.*, PhD *Otago*
Senior Lecturers:
S. Capra, BSc(Hons) DipNutDiet *Syd.*, MSocSc *Birm.*, PhD *Qld,* MDAA

A. Crawford, TCert *Manc.*, BEd *Brisbane,* DipPod *UK,* MEd
T. Farr, BDesSt *Qld,* GradDipOHS *Curtin,* MHlthSc
B.E.H. Fleming, DipPHInsp *RSH,* MSc *Griff.*, FAIEH, MEIA
P. Hindson, BEc *Syd.*, MPH *Calif-Berkley*
C. Jehne, BA BSc(Hons) *UNSW,* GradDipEd(Tert) *Darling Downs*, BA MEdAdmin *Qld,* GradDipAppLing MA *Griff.,* FAIST
M.L. O'Connor, DipT BEd *Kelvin Grove*, MA *Ohio S.,* PhD *Qld*
C. Patterson, MSc PhD *Qld,* GradDipBusAdmin
S. Treloar, BSocStud(Hons) *Syd.*, MSc *Lond.*, MSocWk *UNSW*, PhD *Qld*
Lecturers:
P.J. Bennett, DipAppSc(Pod) *SAustIT,* GradDipHlth *Curtin*, MPH *Qld*
K. Brown, BEc(Hon) MEc *Mon*, MBA *Chicago*
L. Connelly, BA PgDipAppEcon MEconSt *Qld*
M. Cook, BOccThy(Hons) *Qld*, GradDipOHS
P. Davey, ADHlthSurv BBus(HlthAdmin) *QIT,* MEnvCHlth *Griff.*, MAIEH
J. DiDonato, BBus(Hlth Admin) *QIT*, MBA
M. Henry, DipHomeSc *CTCO,* BA *Qld,* MCurrST *NE,* GradDipCouns *Brisbane*
M. Marendy, DipT *Kelvin Grove,* BEd *S.Aust.CAE,* MSc *Alta*
A.M. Moor, BSc *Nott.*, GradDipDiet *Lond.,* MHlthSc
S. Napier, BEd DipT(HomeEc) *Kelvin Grove*
J. Nicol, BBus(HealthAdmin)
E. Parker, BA MSocWk EdD *Tor.*
D. Pendergast, BAppSc(HomeEc) GradDipTeach *Brisbane,* MEd(Hons) *NE*
M. Service, BEd DipT *Brisbane,* MEdSt *Qld*
D.A. Stormont, MSc *Qld,* GradDipNutDiet *QIT*
P. Tinley, BSc(Hons) *CNAA*
M.M. Wingett, CertT DipHomSc *Kelvin Grove,* GradDipEdSt *Armidale,* BEd *Brisbane,* MEd *Charles Sturt*
D. Vine, BBus(HealthAdmin), MA *Griff.*

Faculty of Information Technology

Dean (Acting): Professor K.J. Gough, MSc PhD *Well.*, FNZEI, MIEEE, MACM, MACS
Director of Research: (vacant)
Administration Manager: M. McDowell, BA BEcon *Qld*, BSc(SocSc) *Brist.*

School of Computing Science

Head of School: Associate Professor G.M. Mohay, BSc(Hons) *W.Aust.,* PhD *Monash,* MACS, MACM, IEEE
Professor of Neural Computing: Professor J. Diederich, Habil(CompSc) *Hamburg,* MA(Research) *Muenster*, PhD *Bielefeld*
Associate Professor: C. Szyperski, DiplIng(EECE) *Rheinisch-Westfalische*, DrSctechnEth (CS) *Eidgenossische*, ACM, SI, MACM, MSI

Senior Lecturers:
P.T.J. Cattell, BSc BEd DipCompSc *Qld*, MSc *Essex*, MACS
J.D. Day, BE(Hons) *Syd.*, GDCompSc MEngSc PhD *Qld*, MACS, MACM
G.D. Finn, BSc(Hons) PhD *Qld*, MS *Hawaii*, IAU
S. Geva, BSc *Hebrew,* GradDipComComp *QIT,* MAppSc, PhD, MIEEE
J.R. Hynd, BSc(Hons) *Qld*, PhD *Syd.*, MACS, MACM
M.G. Roggenkamp, BEd *James Cook,* DipCompSc MScSt *Qld*, MACS, MACM, AIEEE
J. Sitte, MSc *Venezuela,* PhD *Uppsala*, MINNS, MIEEE
Lecturers:
P. Bancroft, CertT *Kelvin Grove,* BSc MScSt *Qld*, GradDipComComp, MACM

T.A. Chorvat, BMaths(Hons) *W'gong*
R.J. Christie, DipT *N'cle CAE,* BA DipCompSc *NE,* MAppSc
J. Holford, BAppSc(Physics) GradDipCompSc *QIT,* DipEd *Qld*, MAppSc(Comp)
C.J. Ho-Stuart, BSc(Hons) *Melb.,* PhD *Monash*
X. Li, BSc *Chongqing,* MSc *Qld*
R. Lister, BSc PhD *Syd.*
H.L. Morarji, BE(Hons) MSc *Cant.,* PhD *Kent,* CEng, MBCS, AFIMA, MACS
A. Rhodes, BAppSc(Comp) *QIT,* MAppSc(Comp)
P. Roe, MEng(Hons) *York,* PhD *Glas.*
G. Semeczko, BSc(Hons) *Qld*, MACM, MIEEE
R. Thomas, BSc *Trin.W.*, APDA, MACM
Associate Lecturers:
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S. Drew, BAppSc(Comp)(Hons)
J.M. Hogan, BSc(Hons) *Qld*
F. Maire, Dipl d'Ingenieur Informaticien, *ENGI Bordeaux*, Dip D'Etudes Approfondies en Mathematique, Doctorat d'Universite en Mathematique *Universite de Paris VI*
D. Taylor, BSc *Qld,* MSc *Virginia,* DECUS

School of Data Communications

Head of School: Professor W. Caelli, BSc(Hons) *N'cle(NSW),* PhD *ANU*, FACS, FTICA, MACM, MIEEE
Associate Professor: (vacant)
Senior Lecturers:
C.A. Boyd, BSc PhD *Warwick*
B.M. Broom, BSc PhD *Qld*
Lecturers:
P. Ashley, BE(Electronics) BAppSc(Comp)
M. Looi, BE(Hons) BAppSc(Comp) PhD, MIEEE, MACS, C.Dec
N. Richter, BEng *Syd.*, BA MEngSc DipCompSc *Qld*
D. Rolf, BSc *N'cle(UK)*, PhD *Leic.*
S.V. Russell, BE DipCompSc MEngSc *Qld*
L. Thater, BSc *CalifS.*, MBA *Golden Gate*

School of Information Systems

Head of School: Professor M.P. Papazoglou, BSc(Hons) PhD *Dund.,* MSc *Edin.*, MIEE
Associate Professors:
G. Gable, BCom *Alta*, MBA *W.Ontario*, PhD *Brad.*
B.A. Underwood, BBus *QIT,* MS(MIS) *TexasTech*, MBA *Qld*, PhD, FACS, PCP
Principal Lecturer: J.C. Owen, BA(Hons) *Lond.*, MA PhD *Qld*, AdvCertLibInfSc MLS *Pitts*, GDComComp, ALIA
Senior Lecturers:
A.M. Anderson, BSc MInfSys *Qld*, MACS
H.H. Bentley, CertEd *Exe.*, BSc(Hons) *Manc.*, MSc *Qld,* MACS, MACM
A. Delis, DipCompEng *Patras*, MSc PhD *Maryland,* MACM, MIEEE
M.R. Middleton, BSc *W.Aust.*, MScSoc DipLib GDHumanComm *UNSW*, GradCertEd(HigherEd), ALIA
R.W. Smyth, BA DipEd DipInfProc *Qld,* MSc *Aston*, MACS
A.B. Tickle, MSc DipCompSc *Qld*, GradDipMgt *Capricornia*, MACS
Lecturers:
D.F. Abercrombie, BSc DipCompSc *Qld*, MBA, MACS, MQSCL
R.D. Andrews, DipT *Kelvin Grove,* BEd *Brisbane,* GradDipComComp MInfTech
A. Bouguettaya, BSc *Annaba*, MSc PhD *Colorado*, MACM, MIEEE

C. Bruce, BA *Qld*, GradDipLibSc MEd(Research), ALIA
P.D. Bruza, BSc *Qld,* MSc PhD *KUNij*
D. Edmond, BSc(Hons) *Edin.*
E.M. Gurrie, BEd *State College Vic.*, GradDipComp *Deakin,* MACS
K. Ling, BSc *Melb.*, MCom *UNSW*, MACS
M. Orlowski, MSc *Warsaw,* PhD *PAN*
H.A. Proper, MSc PhD *Nijmegan*
J. Reye, BSc(Hons) *Qld*, MIEE, MACS, MACM
A.G. Stewart, BA DipEd MLitSt(CompSc) *Qld,* MACS, AIMM, MIEEE, MACM
Z. Tari, BSc *Algiers*, MSc PhD *Grenoble*
C. Tilley, BA(Hons) MA *Qld*, DipContEd *NE*, GradDipLibSc *QIT*, ALIA, AAIM, IIMC
A. Wheeldon, BSc *N'cle(UK),* MInfSys *Curtin,* MACS
C.S. Willie, BA *Utah*, MBA *Br.Col.*, MACS, MACM
Associate Lecturers:
P. Bhandari, MSc *Bhav.*, GradDip *Bda.,* MTech *I.I.T.*
S. Chen, BCompSc *Shenzhen,* BCompSc(Hons) *Griff.*
C.P. Edwards, BBus *Brisbane*
R. McArthur, BSc(Hons) *ANU*
S.W. Milliner, BSc DipEd *Qld,* GDCompSc MAppSc(Comp)
R. Snoke, BS *Minnesota*, GradDipInfoPrac *Darling Downs*

Information Security Research Centre

Director: D. Longley, BSc(Physics) *Manc.,* MSc(Tech)UMIST PhD *Leic,* CEng, FIEE, FAIM
Associate Professor in Cryptology: E. Dawson, BSc DipEd *Wash.*, MA *Syd.*, MLittSt MSc *Qld*, PhD, FTICA, MCMSA

Faculty of Law

Dean: Professor D.G. Gardiner, BA LLM(Hons) *Syd.*, Barrister
Associate Dean: Professor M. Cope, BA LLM *Qld,* Barrister
Assistant Dean: A.J. Chay, LLM *Qld*, Solicitor
Faculty Administration Officer: W.A. Smith, BA(Hons) *Syd.*, GradDipCourt& ParliamentaryReporting *Canb.*

Law Library

Law Librarian: C.A. Crawford, BA LLB *Qld*, AALIA
Deputy Law Librarian: S.A. Duffield, BA *Qld,* GradDipLib *Canb.*

Research Studies

Director (Acting): Dr H.M. Stacy, LLB GradDipLegalPrac *Adel.,* PhD *Qld,* Barrister and Solicitor (SA), Solicitor (NSW), Barrister (Qld, InnerTemple, England and Wales)

Postgraduate Studies

Director (Acting): Professor W.D. Duncan, LLB *Qld*, LLM *Lond.,* Solicitor

Research Programs

Director: Associate Professor B.T. Horrigan, BA LLB *Qld,* DPhil *Oxon.*, Solicitor

Centre for Commercial and Property Law

Feez Ruthning Professor of Property Law: Professor W.D. Duncan, LLB *Qld,* LLM *Lond.*, Solicitor
Clayton Utz Professor of Commercial Law: Vacant

Law School

Professor: S.G. Corones, BCom LLB PhD *Qld,* LLM *Lond.,* Solicitor (Qld, England and Wales)
Professor: D.E. Fisher, MA LLB PhD *Edin.*, Solicitor (Scotland)
Principal Lecturer: C.A.C. MacDonald, BA LLB *Qld*, LLM *Lond.*, Solicitor
Associate Professors:
G.R. Clarke, BA LLM *Qld*, LLB(Hons) *QIT*, Barrister
P.V. Tahmindjis, BA LLB *Syd.*, LLM *Lond.*, Barrister (NSW)
Senior Lecturers:
I. Davies, LLB GradDipLegalPrac *QIT*, LLM *Qld*, Solicitor
G.A. Egert, BA LLM *Qld*, Barrister
G.E. Fisher, BA(Hons) LLB(Hons) *Qld*, BCL(Hons) *Oxon.*
W. Lane, LLB *Syd.*, LLM *Melb.*, Solicitor (NSW)
P.J.M. MacFarlane, BA *Flin.*, BLegS *Macq.*, LLM *Syd.*, Barrister
G.I. Mackenzie, LLB *QIT*, LLM, Solicitor
R.J. Sibley, CertEng LLM *Qld*, Barrister (Qld, HCA)
A.E. Wallace, LLB(Hons) *Qld*, LLM *Monash*, Solicitor
I.A. Wilson, LLM *Melb.*, Barrister and Solicitor (Vic.), Barrister (Qld)
Lecturers:
E. Barnett, BA LLB(Hons) *Qld,* GradDipLegalPrac *QIT*, GradDipLibSc, MLP
D.A. Butler, LLB(Hons) *QIT,* Solicitor (Qld and High Court of Australia)
S.A. Christensen, LLB(Hons) *QIT*, LLM, Solicitor
T.L.C. Cockburn, BCom LLB(Hons) *Qld*, LLM, Solicitor (Qld and High Court of Australia)
S.E. Colbran, BCom(Hons) LLB(Hons) *Qld*, LLM(Hons), Solicitor (Qld, High and Federal Courts of Australia)
L.R. de Plevitz, BA *UNSW,* LLB(Hons), Solicitor
N. Dixon, BA LLB(Hons) *ANU*, Solicitor
A.E. Edwards BSocWk *Qld*, LLB(Hons) GradDipLegalPrac
S.C. Fisher, CertPracLegalTraining *Kurang-gai CAE,* LLB(Hons) *NSWIT,* LLM, Barrister and Solicitor (ACT), Solicitor (NSW, Qld and High Court of Australia)
W.E. Harris, LLB(Hons) *QIT*, LLM, Solicitor
T.C.M. Hutchinson, BA LLB *Qld*, DipLib *UNSW*, GradDipLegalPrac *QIT*, MLP
S.M. Jackson, LLB(Hons) *QIT*, LLM *Qld*, Solicitor
A.I. MacAdam, BCom LLB(Hons) *Qld*, Barrister
R.M. Macdonald, BA LLB(Hons) *Qld*, GradDipLegalPrac *QIT*, LLM, Solicitor
F.A. Martin, LLB(Hons) *UTS*, LLM(Hons) *Syd.,* Solicitor (NSW)
D.P. McGill, BA LLM *Qld*, Barrister
F.D. McGlone, BA DipEd LLB *Syd.*, LLM, Barrister (NSW)
G.E. Nisbet, BA BSocWk *Qld*, LLB *QIT*, LLM, Solicitor
J.R. Pyke, BSc LLM *Syd.*, LLB *UNSW*, Barrister (NSW)
M.M. Quirey, BA LLB(Hons) LLM PhD *Qld,* Solicitor
N.J. Rogers, LLB(Hons), Solicitor
C.A. Rowell, LLB *QIT*, GDTeach(Prim) *Brisbane,* Solicitor
M.J. Shirley, BA LLB(Hons) *Qld*, GradDipLegalPrac, Solicitor
L.A. Taylor, BA LLM *Qld*, Solicitor
L. Willmott, BCom LLB *Qld*, LLM *Camb.*, Solicitor
L.G. Wiseman, LLB(Hons) GradDipLegalPrac *QIT,* LLM *Lond.,* Solicitor
Associate Lecturers:
P.L. Tan, LLB(Hons) *Malaya*, LLB(Hons), Advocate and Solicitor (Malaya), Barrister (NSW), Barrister and Solicitor (ACT), Solicitor (Qld)
S.J. Traves, LLB(Hons) LLM, Solicitor

Legal Practice

Director: Associate Professor J.K. de Groot, BA LLB PhD *Qld*, Solicitor
Senior Lecturers:
A.J. Chay, LLM *Qld*, Solicitor
J. Pastellas, BA LLM *Qld*, GradDipLegalPrac *QIT*, Solicitor
Lecturers:
H. Baldwin, LLB(Hons)
C. Ivey, Solicitor (Supreme Court)
K.F. Maxwell, LLB GradDipLegalPrac *QIT*, LLM, Solicitor
A.P. Smith, MCSP BA(Hons) LLB *Qld*, GradDipLegalPrac, Solicitor
J. Smith, LLB *Qld*, Solicitor

Justice Studies

Director: Associate Professor S.D. Petrie, CertEd BEd(Hons) *Leeds*, PhD *Qld*
Deputy Director: G.J. Dean, MSocWk *Qld*
Senior Lecturers:
G. Christie, DipT DipEd MA MEd *Aberd.*
K.L. Thomas, MSoc *Copen.*, BSocWk PhD *Qld*
Lecturers:
A.N. Chantler, NCA *UK*, BSc *Qld*, GDTeach *Kelvin Grove*
S.M. Currie, BA LLB LLM *Qld*, Barrister and Solicitor (ACT), Solicitor
B.A. Hocking, LLB DipGradLegalStud LLM
B.J. Mason, BA LLB(Hons) *ANU*, MPhil(Crim) *Camb.*, Barrister and Solicitor (ACT), Solicitor (NSW)
S. McCulloch, DipT *Capricornia*, BA(Hons) MAppPsych PhD *Qld*
A.M. Moreton-Robinson, BA(Hons) *ANU*
C.S. Thorne, BA *Qld*, DipEdAdmin(Grad) MEd *Griff.*
B.O. Wigan, BA *James Cook*, Dip OHSM, DipMan *USA*, MEd
Associate Lecturers:
S.A. Beattie, LLM, Barrister
B.J. Carpenter, BHMS(Hons) *Qld*, PhD *Griff.*

Faculty of Science

Dean: Professor A.J. Webber, MS *G'town, Wash., DC*, PhD *Qld*, DMT, FAIMLS
Assistant Dean: D.W. Field, DipT *Adel.CAE*, BSc(Hons) PhD *Adel.*, FAIP
Administration Manager: B.A. Walker, DipMLT *RMIT*, MBA *Griff.*, FAIMS

School of Chemistry

Head of School: Professor G. George, BSc(Hons) PhD *Qld*, CChem, FRACI
Associate Professor: P.M. Fredericks, BSc(Hons) DPhil *Sus.*, FRACI
Senior Lecturers:
J.P. Bartley, MSc(Hons) PhD *Auck.*, CChem(UK), MRSC, AAIFST
M.R. Chambers, PhD *Stir.*, PhD *Lond.*, CChem(UK), MRSC
R.L.W. Frost, BEd MSc PhD *Qld*, CChem
S. Kokot, BSc(Hons) PhD *UNSW*, CChem, FRACI
E.J. O'Reilly, MSc *Qld*, DipEd, CChem, FRACI
D.P. Schweinsberg, ASTC BSc *UNSW*, MSc PhD *Qld*, CChem, MRACI, AMAusIMM
G. Smith, BSc PhD *Qld*, DipIndChem, CChem, MRACI
Lecturers:
D.P. Arnold, BSc(Hons) PhD *Qld*, DipIndChem, CChem, MRACI
N.D. Bofinger, BSc *NE*, PhD *Qld*, GDCompSc, CChem, MRACI
S.E. Bottle, BSc(Hons) *Qld*, PhD *Griff.*
I.S. Costin, BSc(Hons) MEdSt PhD *Qld*, DipTertEd *NE*, MRACI

G.K. Douglas, BSc(Hons) *NE*, PhD *Tas.*, CChem, MRACI
K.P. Herlihy, BSc(Hons) *Qld*, DipIndChem, CChem, MRACI
R.A. Johnson, MSc PhD *Qld*, MRACI
G.M. Kimber, MSc BEd *Qld*, CChem, FRACI
D.S. Sagatys, BSc(Hons) *Qld*, PhD *IIT*
M. Selby, BSc(Hons) PhD *UNSW*, MRACI
B.N. Venzke, MSc PhD *Qld*
E. Wentrup-Byrne, BSc(Hons) *NUI*, DSc *Lausanne*
Associate Lecturer:
D. Stuart, BAppSc(Hons) *Qld*
Laboratory Manager: N.A. Seils, DipIndChem *CTC*
Senior Laboratory Technicians:
P.R. Comino, CIC, ADAppChem *QIT*
R.R. Diocares, BSc *Philipp. Los Baños*
E.P. Martinez, CIC, ADClinLabTech *QIT*
P.R. Stevens, CIC, ADAppChem

School of Geology

Head of School: D.A. Gust, BA *Lawrence*, MA *Rice*, PhD *ANU*
Associate Professor: L.H. Hamilton, BE MSc *UNSW*, PhD DIC *Lond.*, FAIG, FAusIMM
Lecturers:
M.E. Cox, BA *Macq.*, MS *Hawaii,* PhD *Auck.*
A.T. Grenfell, BSc(Hons) DipEd PhD *Qld*
S.C. Lang, BSc(Hons) PhD *Qld*
D.C. O'Connell, BSc DipEd *Qld*, MSc *James Cook*, BEd *Brisbane*, FGS(Lond.), MAusIMM
W.F. Ridley, BSc MSc *Qld*
G.G. Shorten, MSc *Qld*, PhD *Syd,* TCert *Kuring-gai*, MAusIMM
Technologist: W. Kwiecien, CIC, ADAppChem, BAppSc
Senior Laboratory Technician: F.G. Robins, BSc(Hons) *Dunelm,* MAus IMM

School of Life Science

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Professor: J.L. Dale, BScAgr PhD *Syd.*
A. Herington, BSc(Hons) PhD *Monash*

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G.M. Cave, BSc *Lond.*, DipEng(Mech) *McG.*, AFRAcs
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Centre in Statistical Science and Industrial Mathematics

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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 *Sus.*, Grad.Inst.P.
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T. van Doorn, BSc(Hons) PhD *Qld*, MACPSEM, MIPSM
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G.I. Moore, BSc(Hons) PhD *Qld*
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D.E. Starkey, DipAppSc(DiagRad), MIR
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Associate Lecturers:
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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

RESEARCH CENTRES

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.

Academic Staff
Director: Professor G.J. Bamber, BSc(Hons) *Manc.*, PhD *H-W Edin.*, CMAHRI, FAIM, FIMgt, FIPD
Senior Research Fellow (Quality Program): Arthur Preston BSc(Hons) *ANU,* M.Admin *Griff,* PhD *Qld*
Principal Research Fellow and Coordinator of Postgraduate Studies: Mark Shadur BA(Hons) PhD *ANU*
Research Officers:
Kate Joyner, BMus *Queensland Conservatorium of Music,* MBA *QUT*
David Simmons, BSc(Hons) *UNH,* MMgt *Qld*
Senior Research Assistants:
Kellie Caught, BSc PGDipPsych *Qld*
Rene Kienzle, BSc PGDipPsych *Qld*

Associates
Visiting Research Fellow: Dr Ian Glendon, BA *Keele,* MBA *Warw,* PhD *LSE*
QUT Associate: Professor Emeritus Tom Dixon, AM, BA BEd(Hons) MA *Qld,* LittM *UNE,* PhD *Rensselaer*

For more information, see ACSM's World Wide Web home page: http:/www.qut.edu.au/bus/acsm/acsm.html

Please address any enquiries to: Professor Greg J. Bamber, Director, Australian Centre in Strategic Management, Faculty of Business, Queensland University of Technology, Gardens Point campus, 2 George Street, GPO Box 2434, Brisbane, Qld 4001, Australia. Phone: (07) 3864 2539 or 3864 2794; Fax: (07) 3864 1766. Electronic-mail: g.bamber@qut.edu.au, acsm@qut.edu.au.

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 spectometry, 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

- health physics (occupational and environmental radiations)
  - natural lighting of buildings (daylighting)
  - environmental aerosol physics
  - environmental radioactivity.

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 1993 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 bienially 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, FIREE

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 Facnlties 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

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

CARSELDINE CAMPUS
(weekly visit)
Contact Gardens Point campus

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

- manages the University's relationship with Australian Education Centres, commercial agents, and other relevant private and public sector agencies
- manages the University's institutional exchange programs
- receives international visitors.

GARDENS POINT CAMPUS
Level 3, U Block
Telephone: (61 7) 3864 1782
Facsimile: (61 7) 3221 0313

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.

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

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

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.

GARDENS POINT CAMPUS
Lower Level
Community Building, Y Block
Telephone: (61 7) 3864 2383
Facsimile: (61 7) 3864 1522

CARSELDINE CAMPUS
Level 2
CommunityBuilding
Telephone: (61 7) 3864 4539
Facsimile: (61 7) 3864 4999

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 Facsimile: (61 7) 3864 5910
English Language Programs (ELICOS)	Telephone: (61 7) 3864 3095 Facsimile: (61 7) 3864 3085
Migrant Professional Programs	Telephone: (61 7) 3864 3579 Facsimile: (61 7) 3864 3085

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 ofice, 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 1.

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 1
- 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 1.

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 McKnoulty 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 stndent 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 Plauning 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 acheived 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 MAB893
- 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 (Electrical and Computer Engineering)/Bachelor of Applied Science (Mathematics) student with the best academic achievement (overall course GPA) enrolled in the unit EEB101.

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 Managemeut 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 MlB315 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 Australiau 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 Opthalmic 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.
- *Introduction to Public Law and Australian Federal Constitutional Law:* An annual prize of a book voucher awarded to the student with the best performance in the units LWB231 Introduction to Public Law and LWB235 Australian Federal Constitutional Law.
- *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 1 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.

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 Anstralian 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 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!!

Accommodation: Find it! List it! **Free**. Database listing service for off-campus accommodation – share, whole and private board. Advice and support on tenancy matters. One-stop accommodation guidebook for students.

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 to 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 wallplanner, 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

CONTENTS

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

- completion of any other required procedures.

1.4 Re-enrolment (continuing students)

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

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

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

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 Augnst 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
- comforming 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 Univesity 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

7	High Distinction
6	Distinction
5	Credit
4	Pass
3	Low Pass (see Note)

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.

$$\text{GPA} = \frac{\Sigma \text{ (credit points of unit X numeric value of grade)}}{\Sigma \text{ (credit points of unit)}}$$

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:

Full-time students	$150
Part-time students	$ 68
External students	$ 20

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.

		Fee per credit point
Faculty of Arts		
AT24	Graduate Certificate in Arts	$ 60
Faculty of Built Environment and Engineering		
EE78#	Master of Engineering Science in Electricity Supply Engineering	$142
EE60	Graduate Diploma in Electricity Supply Engineering	$142
EE82	Graduate Certificate in Electricity Supply Engineering	$142
AR80	Graduate Certificate in Architectural Practice	$ 60
CN81	Graduate Certificate in Project Development	$ 80
ME75	Graduate Certificate in Engineering Management	$ 65
Faculty of Business		
GS81*	Master of Business Administration (Professional)	$ 75
GS80*	Master of Business Administration (International)	$ 75
GS70*	Graduate Diploma in Business Administration	$ 75
BS81	Master of Business Administration	$ 65
BS78	Graduate Diploma in Business (Administration)	$ 65
BS72*	Graduate Diploma in Communication	$ 65
BS30	Graduate Certificate in Management	$ 65
Faculty of Education		
ED14	Master of Education (TESOL)	$ 60
ED61	Graduate Certificate in Education	$ 60
ED77	Graduate Certificate in Education (TESOL)	$ 60
Faculty of Information Technology		
IT18	Graduate Certificate in Information Technology	$100

* 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:

	Fee per credit point
Faculty of Arts	$ 60
Faculty of Built Environment and Engineering	$ 60
Faculty of Business	$ 65
Faculty of Education	$ 60
Faculty of Health	$ 60
Faculty of Information Technology	$ 60
Faculty of Law – Undergraduate	$ 90
– Postgraduate	$110
Faculty of Science	$ 60

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

Late lodgement of application for admission	$ 20	
Late lodgement of enrolment form	$ 30	
Late addition to an enrolment program	$ 20	
Addition to enrolment program not made on the prescribed form	$ 20	
Reinstatement of enrolment following administrative cancellation	$ 30	
Lodgement of Postgraduate Change of Preference Form	$ 20	
Review of grades (refundable)		
Step 2 – School-level review[1]	$ 10	
Step 3 – Faculty-level review[1]	$ 20	
Copy of examination script	$ 10	(per script)
Statement of Academic Record	$ 05	
Re-issue of ID card	$ 05	

[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),[2] 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 specificaly 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

Master of Arts	0	
Master of Fine Arts	0	
Master of Social Science (Counselling)	1	
Graduate Diploma in Social Science (Counselling)	1	
Bachelor of Arts	3	
Bachelor of Arts (Honours) (Dance, Drama, Visual Arts)	0	
Bachelor of Arts (Dance)	3	
Bachelor of Arts (Drama)	3	
Bachelor of Arts (Music)	3	
Bachelor of Arts (Visual Arts)	3	
Bachelor of Social Science	3	
Associate Degree/Associate Diploma in Dance	1	

Faculty of Built Environment and Engineering

All courses	12% of the total course credit points

Faculty of Business

Master of Business (BS80)	0	
Master of Business (BS82)	0	
Master of Business (BS83)	1	(elective unit only)
Master of Business (BS84)	1	
Master of Business (BS85)	1	
Master of Business (BS87)	1	
Master of Business Administration	2	
Graduate Diploma of Advanced Accounting	1	
Graduate Diploma of Business (Industrial Relations)	1	
Graduate Diploma of Business Administration	1	
Graduate Diploma of Communication	1	
Graduate Certificate in Management	1	
Bachelor of Business (Honours) (BS60)	1	
Bachelor of Business (Honours) (BS61)	1	
Bachelor of Business (Honours) (BS62)	1	(elective unit only)
Bachelor of Business	3	
Associate Diploma in Business (Industrial Relations)	2	

Faculty of Education

Doctor of Education	0
Master of Education	0
Master of Education (Research)	0
Master of Education (TESOL)	1
Graduate Diploma in Education (Computer Education)	1
Graduate Diploma in Education (Early Childhood)	1
Graduate Diploma in Education (Pre-service)	1
Graduate Diploma in Education (Educational Management)	1
Graduate Diploma in Education (Learning Support)	0
Graduate Diploma in Education (Teacher-Librarianship)	0
Graduate Certificate in Education	1
Graduate Certificate in Education (TESOL)	0
Bachelor of Education (Early Childhood) External	3

Bachelor of Early Childhood Studies	3
Bachelor of Education (In-service)	1
Bachelor of Education (Pre-service)	3
Bachelor of Teaching (Early Childhood, Primary)	3
Bachelor of Teaching (Child Care Upgrade)	3

Faculty of Health

Graduate Diploma in Health Promotion	1
Bachelor of Applied Science (Home Economics)	3
All other courses	12.5% of the total course credit points

Faculty of Information Technology

All courses	12.5% of the total course credit points

Faculty of Law

Associate Diploma in Business (Court and Parliamentary Reporting)	2
All other courses except LW51 - no 3's allowed	12.5% of the total course credit points

Faculty of Science[3]

All courses	12.5% of the total course credit points

Interfaculty Courses

Master of Public Policy	1
Master of Quality	1
Graduate Diploma in Quality	1
Double degree courses	12.5% of each of the degree component course credit points
All other courses	12.5% of each of the total course credit points

[3] *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

		Credit Points
FACULTY OF ARTS		
Bachelor of Arts (Dance)		
AAB121	Contemporary Technique 1	12
AAB122	Contemporary Technique 2	12
AAB166	Ballet Technique & Kinesiology	12
AAB167	Ballet Technique & Alignment	12
Bachelor of Arts (Drama)		
AAB202	Acting 1	12
AAB203	Acting 2	12
AAB247	Acting 3	12
AAB248	Acting 4	12
Bachelor of Arts (Music)		
AAB606	Principal Studies 1	24
AAB607	Principal Studies 2	24
Bachelor of Arts (Visual Arts)		
AAB740	Foundation Art Practice 1	24
AAB741	Foundation Art Practice 2	24
AAB742	Studio Art Practice 1	12
AAB743	Studio Art Practice 2	12
Bachelor of Social Science (Human Services)		
SSB026	Fieldword Practice 1	
SSB036	Fieldwork Practice 2	
Associate Degree in Dance		
AAX111	Repertoire & Practice Period 1	12
AAX112	Repertoire & Practice Period 2	16
AAX113	Repertoire & Practice Period 3	16
AAX114	Repertoire & Practice Period 4	16
AAX117	Ballet Technique 1	8
AAX118	Ballet Technique 2	8
AAX119	Ballet Technique 3	8
AAX120	Ballet Technique 4	8
AAX121	Contemporary Technique 1	8
AAX122	Contemporary Technique 2	8
AAX123	Contemporary Technique 3	8
AAX124	Contemporary Technique 4	8

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.

Variations	Examples
Mode	
Questioning modality	Brailed or audiotaped questions, viva voce testing, signing interpreter, etc.
Response modality	Oral rather than written answers – recorded on tape, viva voce, signing, etc.
Context	
Time	Extended period to answer examination, respite breaks during an examination, extra time to complete assignments, deferment without penalty, etc.

Equipment	Tape recorder, brailler, 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 May1990.'

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

Academic Programs

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UNIVERSITY-WIDE AND INTERFACULTY COURSES

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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		**Credit Points**	**Contact Hrs/Wk**
Semester 1			
MGN516	Policy Analysis	12	3
MGN517	Program Management & Evaluation	12	3
EFN403	Economics and Public Policy	12	3
	Applied Policy Elective Unit	12	
Semester 2			
MGN522	Research Seminar	12	3
LWS010	Public Law	12	3
	Applied Policy Elective Unit	12	
	Applied Policy Elective Unit	12	
Semester 3			
MGN520	Research Dissertation	48	
Part-Time Course Structure			
Semester 1			
MGN516	Policy Analysis	12	3
EFN403	Economics and Public Policy	12	3

Semester 2

MGN522	Research Seminar	12	3
LWS010	Public Law	12	3

Semester 3

MGN517	Program Management & Evaluation	12	3
	Applied Policy Elective Unit	12	

Semester 4

	Applied Policy Elective Unit	12	
	Applied Policy Elective Unit	12	

Semester 5

MGN520	Research Dissertation	24	

Semester 6

MGN520	Research Dissertation	24	

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

PUN613	Public Health Interventions: Principles and Practice	12	3
PUN692	Health Care Delivery Systems	12	3
PUP010	Health in Australian Society	12	3
PUP022	Health Promotion Concepts and Policy: A Critical Analysis	12	3
Housing and Urban Policy			
CEP131	Engineering Management and Administration	12	3
PSN111	Comparative Planning Theory	6	2
PSN112	Concentration Studies	12	2.5
PSN114	Metropolitan Planning Practice and Law	12	3
PSN123	Planning in Developing Countries	6	2
PSN124	Option Course	12	2
PSN125	Housing Policy & Housing Problems: An International Perspective	12	3
PSN126	Australian Housing System and Policies	12	3
PSP434	Urban Services and Functions	4	1
Human Resources and Industrial Relations Policy			
GSN205	Managing Human Resources	12	3
MGN410	Labour–Management Relations	12	3
MGN504	Business Policy	12	3
MGN407	Industrial Relations Strategies and Policies	12	3
MGN405	Industrial Relations and the Economy	12	3
Industry Policy			
EFN404	Environmental Economics and Policy	12	3
MIN401	Australian Foreign Affairs and Business	12	3
MIN403	Business in Asia	12	3
MIN404	Business in Europe	12	3
MIN405	Business in North America	12	3
MIN430	The Arts Industry	12	3
MIN431	Tourism Development	12	3
MIN433	Tourism: National and International	12	3
Information Technology and Communication Policy			
ITN220	Major Issues in Information Systems	12	3
ITN340	Information Agencies	12	3
ITN341	Information Policy & Planning	12	3
MJP102	Media Policy Environment	12	3
Public Policy in the International Context			
MIN426	Special Topic – International Business	12	3
MIN406	Comparative Regulatory Systems	12	3
MIN401	Australian Foreign Affairs and Business	12	3
MIN403	Business in Asia	12	3
MIN404	Business in Europe	12	3
MIN405	Business in North America	12	3
EFN506	International Finance	12	3
MGN401	Comparative Industrial Relations	12	3
LWN049	International Environmental Law	12	2
Science and Technology Policy			
CHP920	Technology Assessment and Forecasting	12	3
MGN523	Science and Technology Policy	12	3

■ 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:

Honours 1	First Class Honours
Honours 2A	Second Class Honours, Division A
Honours 2B	Second Class Honours, Division B
Honours 3	Third Class Honours

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.

■ 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		Credit Points	Contact Hrs/Wk

For detailed information on the range and availablility 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
	3 Science Units from the SC30 First Schedules[1]	36	
Year 1, Semester 2			
LWB131/2	Law in Context	12	3
LWB135	Legislation	12	3
	3 Science Units from the SC30 First Schedules[1]	36	
Year 2, Semester 1			
LWB132/1	Contracts	12	3
	3 Science Units from the SC30 Second Schedules[1]	36	
Year 2, Semester 2			
LWB132/2	Contracts	12	3
	3 Science Units from the SC30 Second Schedules[1]	36	
Year 3, Semester 1			
LWB133/1	Torts	12	4
LWB232/1	Criminal Law & Procedure	12	3
	2 Science Units from the SC30 Third Schedules[1]	24	
Year 3, Semester 2			
LWB133/2	Torts	12	4
LWB232/2	Criminal Law & Procedure	12	3
	2 Science Units from the SC30 Third Schedules[1]	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[2]	24	
Year 5, Semester 2			
LWB433	Professional Responsibility	12	3
LWB434	Advanced Research & Legal Reasoning	12	3
	Elective Units[2]	24	

[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

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CSB155	Introduction to Computing	12	4
ITB210	Formal Representation	12	3
MAB301	Calculus & Analysis A	12	4
MAB303	Algebra & Analysis B	12	4
MAB347	Statistics 1A	12	4
Year 1, Semester 2			
ITB412	Technology of Information Systems	12	3
ITB102	Laboratory 2 (Computer Applications)	12	3

ITB411	Software Development 2	12	3
MAB304	Calculus & Vector Algebra	12	4
MAB342	Mathematics of Finance	12	4

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		Credit Points	Contact Hrs/Wk
Year 2, Semester 1			
BSB118	Business Communication & Application Systems	12	3
ITB421	Data Structures & Algorithms	12	3
ITB422	Laboratory 3 (ADTs in a Unix environment)	12	3
MAB321	Computational Mathematics 1	12	4
MAB348	Statistics 1B	12	4
Year 2, Semester 2			
ITB424	Software Engineering Principles	12	3
ITB520	Data Communications	12	3
	Mathematics unit selected from List C	12	4
	Mathematics unit selected from List C	12	4
Year 3, Semester 1			
ITB420	Computer Architecture	12	3
ITB423	Laboratory 4 (Software Development)	12	3
	Mathematics unit selected from List C	12	4
	Mathematics unit selected from List C	12	4
Year 3, Semester 2			
ITB430	Concurrent Systems	12	3
ITB431	Programming Language Paradigms	12	3
	Mathematics unit selected from List C	12	4
	Mathematics unit selected from List C	12	4
Year 4, Semester 1			
	Extended Major/Minor Options Unit	12	3
	Extended Major/Minor Options Unit	12	3
	Mathematics unit selected from List D	12	4
	Mathematics unit selected from List D	12	4
Year 4, Semester 2			
	Extended Major/Minor Options Unit	12	3
	Extended Major/Minor Options Unit	12	3
	Mathematics unit selected from List D	12	4
	Mathematics unit selected from List D	12	4

B: Data Communications Primary Major

Major Coordinator: Mr Neville Richter

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 2, Semester 1			
BSB118	Business Communication & Application Systems	12	3
ITB422	Laboratory 3 (ADTs in a UNIX Environment)	12	3
ITB520	Data Communications	12	3
MAB321	Computational Mathematics 1	12	4
MAB348	Statistics 1B	12	4
Year 2, Semester 2			
ITB521	Laboratory 3 (Computer Networks)	12	3
ITB522	Advanced Data Communications	12	3
MAB620	Finite Mathematics	12	4
	Mathematics unit selected from List C	12	4
Year 3, Semester 1			
ITB530	Transport Protocols	12	3
ITB531	Applications Services	12	3
MAB630	Linear Algebra and Its Applications	12	4
MAB637	Operations Research 1A	12	4
Year 3, Semester 2			
ITB532	Laboratory 4 (Network Management)	12	3
MAB638	Operations Research 1B	12	4
	Data Communications Elective	12	3
	Mathematics unit selected from List C	12	4
Year 4, Semester 1			
	Extended Major/Minor Options Unit	12	3
	Extended Major/Minor Options Unit	12	3
	Mathematics unit selected from List D	12	4
	Mathematics unit selected from List D	12	4
Year 4, Semester 2			
	Extended Major/Minor Options Unit	12	3
	Extended Major/Minor Options Unit	12	3
	Mathematics unit selected from List D	12	4
	Mathematics unit selected from List D	12	4

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

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 2, Semester 1			
BSB118	Business Communication & Application Systems	12	3
ITB220	Database Design	12	3
ITB222	Systems Analysis & Design 1	12	3
MAB321	Computational Mathematics 1	12	4
MAB348	Statistics 1B	12	4
Year 2, Semester 2			
ITB221	Lab 3 (Commercial Programming)	12	3
ITB246	Unix & C	12	3
	Mathematics unit selected from List C	12	4
	Mathematics unit selected from List C	12	4

Year 3, Semester 1			
ITB233	File Structures	12	3
ITB236	Object-Oriented Analysis & Design	12	3
	Mathematics unit selected from List C	12	4
	Mathematics unit selected from List C	12	4
Year 3, Semester 2			
ITB232	Database Management	12	3
ITB249	The Theoretical Foundations of Database Systems	12	3
	Mathematics unit selected from List C	12	4
	Mathematics unit selected from List C	12	4
Year 4, Semester 1			
	Extended Major/Minor Options Unit	12	3
	Extended Major/Minor Options Unit	12	3
	Mathematics unit selected from List D	12	4
	Mathematics unit selected from List D	12	4
Year 4, Semester 2			
	Extended Major/Minor Options Unit	12	3
	Extended Major/Minor Options Unit	12	3
	Mathematics unit selected from List D	12	4
	Mathematics unit selected from List D	12	4

D: Information Management Primary Major

Major Coordinator: Mr Michael Middleton

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 2, Semester 1			
BSB118	Business Communication & Application Systems	12	3
ITB310	Information Management 1	12	3
MAB321	Computational Mathematics 1	12	4
MAB348	Statistics 1B	12	4
Year 2, Semester 2			
ITB220	Database Design	12	3
ITB520	Data Communication	12	3
	Mathematics unit selected from List C	12	4
	Mathematics unit selected from List C	12	4
Year 3, Semester 1			
ITB320	Laboratory 3 (Database Applications)	12	3
ITB321	Systems Analysis	12	3
ITB322	Information Resources	12	3
	Mathematics unit selected from List C	12	4
	Mathematics unit selected from List C	12	4
Year 3, Semester 2			
ITB323	Laboratory 4 (Information Support Methods)	12	3
	Extended Major/Minor Options Unit	12	3
	Mathematics unit selected from List C	12	4
	Mathematics unit selected from List C	12	4
Year 4, Semester 1			
ITB330	Information Issues & Values	12	3
ITB331	Information Management 2	12	3
	Mathematics unit selected from List D	12	4
	Mathematics unit selected from List D	12	4
Year 4, Semester 2			
	Extended Major/Minor Options Unit	12	3
	Extended Major/Minor Options Unit	12	3
	Mathematics unit selected from List D	12	4
	Mathematics unit selected from List D	12	4

E: Information Systems Primary Major

Major Coordinator: Mr Hamish Bentley

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 2, Semester 1			
BSB118	Business Communication & Application Systems	12	3
ITB220	Database Design	12	3
ITB520	Data Communications	12	3
MAB321	Computational Mathematics 1	12	4
MAB348	Statistics 1B	12	4
Year 2, Semester 2			
ITB221	Laboratory 3 (Commercial Programming)	12	3
ITB223	Laboratory 4 (4GL Programming)	12	3
	Mathematics unit selected from List C	12	4
	Mathematics unit selected from List C	12	4
Year 3, Semester 1			
ITB222	Systems Analysis & Design 1	12	3
ITB231	Applications Development	12	3
	Mathematics unit selected from List C	12	4
	Mathematics unit selected from List C	12	4
Year 3, Semester 2			
ITB224	Systems Analysis & Design 2	12	3
ITB233	File Structures	12	3
	Mathematics unit selected from List C	12	4
	Mathematics unit selected from List C	12	4
Year 4, Semester 1			
	Extended Major/Minor Options Unit	12	3
	Extended Major/Minor Options Unit	12	3
	Mathematics unit selected from List D	12	4
	Mathematics unit selected from List D	12	4
Year 4, Semester 2			
	Extended Major/Minor Options Unit	12	3
	Extended Major/Minor Options Unit	12	3
	Mathematics unit selected from List D	12	4
	Mathematics unit selected from List D	12	4

F: Software Engineering Primary Major

Major Coordinator: Mr Richard Thomas

Full-Time Course Structnre		Credit Points	Contact Hrs/Wk
Year 2, Semester 1			
BSB118	Business Communication & Application Systems	12	3
ITB222	Systems Analysis & Design 1	12	3
ITB421	Data Structures & Algorithms	12	3
MAB321	Computational Mathematics 1	12	4
MAB348	Statistics 1B	12	4
Year 2, Semester 2			
ITB422	Laboratory 3 (ADTs in a Unix environment)	12	3
ITB424	Software Engineering Principles	12	3
	Mathematics unit selected from List C	12	4
	Mathematics unit selected from List C	12	4
Year 3, Semester 1			
ITB448	Object Technology	12	3
ITB454	Software Quality Assurance	12	3

	Mathematics unit selected from List C	12	4
	Mathematics unit selected from List C	12	4

Year 3, Semester 2

ITB423	Laboratory 4 (Software Development)	12	3
ITB455	Integrated Software Engineering Environments	12	3
	Mathematics unit selected from List C	12	4
	Mathematics unit selected from List C	12	4

Year 4, Semester 1

	Extended Major/Minor Options Unit	12	3
	Extended Major/Minor Options Unit	12	3
	Mathematics unit selected from List D	12	4
	Mathematics unit selected from List D	12	4

Year 4, Semester 2

	Extended Major/Minor Options Unit	12	3
	Extended Major/Minor Options Unit	12	3
	Mathematics unit selected from List D	12	4
	Mathematics unit selected from List D	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 1A	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 1A	12	4
MAB638	Operations Research 1B	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

Semester 2

MAB912	Continuum Modelling	12	4
MAB913	Computational Mathematics 3B	12	4
MAB973	Partial Differential Equations	12	4

Other Options

Semester 1

MAB906	Topics in Analysis	12	4

Semester 2

MAB960	Project Work	12	4

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)

ITB440	Language & Language Processing	12	3
ITB446	Project	12	
	Computing Science Elective Unit	12	3
	Computing Science Elective Unit	12	3

Computing Science Electives

First Semester Electives

ITB441	Graphics	12	3
ITB442	Foundations of Artificial Intelligence	12	3
ITB443	Systems Programming	12	3
ITB444	Special Studies 1	12	3
ITB447	Project	12	
ITB448	Object Technology	12	3
ITB451	Project	24	
ITB454	Software Quality Assurance	12	3
ITB457	Functional Programming	12	3
ITB461	Foundations of Neurocomputing	12	3
ITB463	Foundations of Pattern Recognition	12	3

Second Semester Electives

ITB443	Systems Programming	12	3
ITB445	Special Studies 2	12	3
ITB449	Expert Systems	12	3
ITB451	Project	24	
ITB453	Project	24	
ITB455	Integrated Software Engineering Environment	12	3
ITB456	Intelligent Graphic User Interfaces	12	3

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	
	Data Communications Elective Unit	12	3

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
ITB245	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	

ITB456	Intelligent Graphic User Interfaces	12	3
	Software Engineering Elective Unit	12	3
	Software Engineering Elective Unit	12	3

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
ITB454	Software Quality Assurance	12	3

Select one of the following units:

ITB423	Laboratory 4 (Software Development)	12	3
ITB448	Object Technology	12	3
ITB455	Integrated Software Engineering Environments	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
Completion 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.

		Credit Points	Contact Hrs/Wk
Year 3, Semester 2			
CUB371	Secondary Professional Practice 1: Classroom Management	12	
CUB372	Secondary Professional Practice 2: Curriculum Decision Making	12	
	Curriculum Studies 1X	12	3
	Curriculum Studies 1Y	12	3
Year 4, Semester 1			
CPB343	Understanding Educational Practices	12	3
CUB373	Secondary Professional Practice 3: The Inclusive Curriculum	12	
	Curriculum Studies 2X	12	3
	Curriculum Studies 2Y	12	3
Year 4, Semester 2			
	Education Studies Elective	12	3
	Education Studies Elective	12	3
CUB374	Secondary Professional Practice 4: The Beginning Teacher	12	
	Curriculum Studies Elective	12	3

■ 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
Completion 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.

		Credit Points	Contact Hrs/Wk
Year 3, Semester 2			
CUB371	Secondary Professional Practice 1: Classroom Management	12	
CUB372	Secondary Professional Practice 2: Curriculum Decision Making	12	
	Curriculum Studies 1X	12	3
	Curriculum Studies 1Y	12	3
Year 4, Semester 1			
CPB343	Understanding Educational Practices	12	3
CUB373	Secondary Professional Practice 3: The Inclusive Curriculum	12	
	Curriculum Studies 2X	12	3
	Curriculum Studies 2Y	12	3
Year 4, Semester 2			
	Education Studies Elective	12	3
	Education Studies Elective	12	3
CUB374	Secondary Professional Practice 4: The Beginning Teacher	12	
	Curriculum Studies Elective	12	3

■ 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.

		Credit Points	Contact Hrs/Wk
Year 3, Semester 2			
CUB371	Secondary Professional Practice 1: Classroom Management	12	
CUB372	Secondary Professional Practice 2: Curriculum Decision Making	12	
	Curriculum Studies 1X	12	3
	Curriculum Studies 1Y	12	3

Year 4, Semester 1

CPB343	Understanding Educational Practices	12	3
CUB373	Secondary Professional Practice 3: The Inclusive Curriculum	12	
	Curriculum Studies 2X	12	3
	Curriculum Studies 2Y	12	3

Year 4, Semester 2

	Education Studies Elective	12	3
	Education Studies Elective	12	3
CUB374	Secondary Professional Practice 4: The Beginning Teacher	12	
	Curriculum Studies Elective	12	3

■ 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

Staudard 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.

Course Structure (continuing students only)		Credit Points	Contact Hrs/Wk
Year 4, Semester 1			
MAB795	Survey Mathematics 3	6	3
PSB315	Land Admninistration 1	6	3
PSB329	Land Surveying 5	8	3
PSB333	Map Projections	6	3
PSB335	Photogrammetry 2	8	3
PSB346	Spheroidal Computations	6	3
	Elective (Surveying)	8	
Year 4, Semester 2			
IFB880/1	Project	12	3
ITB331	Information Management 2	12	3
ITB341	Information Management 3	12	3
PSB330	Land Surveying 6	8	3
PSB336	Photogrammetry 3	8	3
SVB688	Professional Practice A	4	2
Year 5, Semester 1			
IFB880/2	Project	12	3
ITB330	Information Issues & Values	12	3
PSB309	Cartography 4	8	3
PSB344	Spatial Information Science 3	8	3
	Elective (Business)	12	3

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:

		Credit Points	Contact Hrs/Wk
First Semester			
BSB110	Accountancy	12	3
BSB113	Economics	12	3
BSB115	Management, People & Organisations	12	3
BSB116	Marketing & International Business	12	3
MGB207	Managing Human Resources	12	3
MJB118	Fundamentals of Photography	12	3
MJB200	Video Drama Production	12	3
Second Semester			
BSB114	Government, Business & Society	12	3
BSB115	Management, People & Organisations	12	3
BSB116	Marketing & International Business	12	3
COB213	Strategic Speech Communication	12	3
COB325	Public Relations Theory & Practice	12	3
ESB102	Economics 2	12	3
MGB207	Managing Human Resources	12	3

■ 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.

		Credit Points	Contact Hrs/Wk
Year 3, Semester 2			
CUB371	Secondary Professional Practice 1: Classroom Management	12	
CUB372	Secondary Professional Practice 2: Curriculum Decision Making	12	
	Curriculum Studies 1X	12	3
	Curriculum Studies 1Y	12	3
Year 4, Semester 1			
CPB343	Understanding Educational Practices	12	3
CUB373	Secondary Professional Practice 3: The Inclusive Curriculum	12	
	Curriculum Studies 2X	12	3
	Curriculum Studies 2Y	12	3
Year 4, Semester 2			
	Education Studies Elective	12	3
	Education Studies Elective	12	3
CUB374	Secondary Professional Practice 4: The Beginning Teacher	12	
	Curriculum Studies Elective	12	3

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

		Credit Points	Contact Hrs/Wk
Year 3, Semester 2			
CUB371	Secondary Professional Practice 1: Classroom Management	12	
CUB372	Secondary Professional Practice 2: Curriculum Decision Making	12	
	Curriculum Studies 1X	12	3
	Curriculum Studies 1Y	12	3
Year 4, Semester 1			
CPB343	Understanding Educational Practices	12	3
CUB373	Secondary Professional Practice 3: The Inclusive Curriculum	12	
	Curriculum Studies 2X	12	3
	Curriculum Studies 2Y	12	3
Year 4, Semester 2			
	Education Studies Elective	12	3
	Education Studies Elective	12	3
CUB374	Secondary Professional Practice 4: The Beginning Teacher	12	
	Curriculum Studies Elective	12	3

■ 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		Credit Points	Contact Hrs/Wk
Years 1 and 2			
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 1			
LWB130	Introduction to Study in Law (2 weeks)		
LWB131/1	Law in Context	12	3
LWB132/1	Contracts	12	3
LWB133/1	Torts	12	4
LWB134	Research & Legal Reasoning	12	3

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 Units[3]	24	

Year 5, Semester 2

LWB333	Theories of Law	12	3
LWB433	Professional Responsibility	12	3
LWB434	Advanced Research & Legal Reasoning	12	3
	Elective Units[3]	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.*

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 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.

		Credit Points	Contact Hrs/Wk
Year 3, Semester 2			
CUB371	Secondary Professional Practice 1: Classroom Mangement	12	
CUB372	Secondary Professional Practice 2: Curriculum Decision Making	12	
	Curriculum Studies 1X	12	3
	Curriculum Studies 1Y	12	3
Year 4, Semester 1			
CPB343	Understanding Educational Practices	12	3
CUB373	Secondary Professional Practice 3: The Inclusive Curriculum	12	
	Curriculum Studies 2X	12	3
	Curriculum Studies 2Y	12	3
Year 4, Semester 2			
	Education Studies Elective	12	3
	Education Studies Elective	12	3
CUB374	Secondary Professional Practice 4: The Beginning Teacher	12	
	Curriculum Studies Elective	12	3

■ Bachelor of Business/Bachelor of Laws (IF40)

In the fields of Banking & Finance, Economics, Human Resource Management, Industrial Relations, International Business, Journalism, Management, Marketing and Public Sector Management.

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.

Course Structure		Credit Points	Contact Hrs/Wk
Year 2, Semester 1			
	Three units from selected Business Major	36	
LWB132/1	Contracts	12	3
Year 2, Semester 2			
	Three units from selected Business Major	36	
LWB132/2	Contracts	12	3
Year 3, Semester 1			
	Two units from selected Business Major	24	
LWB133/1	Torts	12	4
LWB232/1	Criminal Law & Procedure	12	3
Year 3, Semester 2			
	Two units from selected Business Major	24	
LWB133/2	Torts	12	4
LWB232/2	Criminal Law & Procedure	12	3
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			
LWB235	Australian Federal Constitutional Law	12	3
LWB233/2	Property 1	12	3
LWB234/2	Equity & Trusts	12	3
LWB334	Corporate Law	12	3
LWB333	Theories of Law	12	3
Year 5, Semester 1			
LWB431	Civil Procedure	12	3
LWB432	Evidence	12	3
	Elective Units[4]	24	
Year 5, Semester 2			
LWB433	Professional Responsibility	12	3
LWB434	Advanced Research and Legal Reasoning	12	3
	Elective Units[4]	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

[4] *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)

Available Majors: Banking & Finance, Communication, Economics, Human Resource Management, International Business, Management, Marketing.

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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BSB110	Accounting	12	3
BSB116	Marketing and International Business	12	3
BSB115	Management, People & Organisations	12	3
LWB130	Introduction to Study in Law (2 weeks)		
LWB131/1	Law in Context	12	3
LWB134	Research and Legal Reasoning	12	3
Year 1, Semester 2			
BSB117	Professional Communication & Negotiation	12	3
BSB112	Business Technology & Information	12	3
BSB113	Economics	12	3
LWB131/2	Law in Context	12	3
LWB135	Legislation	12	3
Year 2, Semester 1			
BSB114	Government, Business & Society	12	3
	Two units from selected Business Major*	24	
LWB132/1	Contracts	12	3
Year 2, Semester 2			
	Three units from selected Business Major*	36	
LWB132/2	Contracts	12	2

Year 3, Semester 1			
	One unit from selected Business Major*	24	
One approved specialisation/extended major unit			
LWB133/1	Torts	12	4
LWB232/1	Criminal Law & Procedure	12	3
Year 3, Semester 2			
	Two approved specialisation/extended major units	24	
LWB133/2	Torts	12	4
LWB232/2	Criminal Law & Procedure	12	3
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			
LWB235	Australian Federal Constitutional Law	12	3
LWB233/2	Property 1	12	3
LWB234/2	Equity & Trusts	12	3
LWB334	Corporate Law	12	3
LWB333	Theories of Law	12	3
Year 5, Semester 1			
LWB431	Civil Procedure	12	3
LWB432	Evidence	12	3
	Elective Units[5]	24	
Year 5, Semester 2			
LWB433	Professional Responsibility	12	3
LWB434	Advanced Research and Legal Reasoning	12	3
	Elective Units[5]	24	

* 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 and must obtain the approval of the Course Coordinator.

[5] *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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BSB110	Accounting	12	4
BSB113	Economics 1	12	3
LWB130	Introduction to Study in Law (2 weeks)		
LWB131/1	Law in Context	12	3
LWB134	Research and Legal Reasoning	12	3
BSB114	Government, Business & Society	12	3
Year 1, Semester 2			
AYB121	Financial Accounting	12	4
EFB101	Data Analysis for Business	12	3
BSB112	Business Technology & Information	12	3
LWB131/2	Law in Context	12	3
LWB135	Legislation	12	3
Year 2, Semester 1			
AYB221	Computerised Accounting Systems	12	4
AYB220	Company Accounting	12	4
EFB102	Economics 2	12	3
LWB132/1	Contracts	12	3
LWB133/1	Torts	12	4
Year 2, Semester 2			
BSB115	Management, People & Organisations	12	3
EFB210	Finance I	12	4
AYB225	Management Accounting I	12	4
LWB132/2	Contracts	12	3
LWB133/2	Torts	12	4
Year 3, Semester 1			
AYB301	Auditing	12	3
BSB116	Marketing & International Business	12	3
BSB117	Professional Communication & Negotiation	12	3
LWB231	Introduction to Public Law	12	3
LWB232/1	Criminal Law & Procedure	12	3
Year 3, Semester 2			
AYB311	Financial Accounting Theory		
	OR	12	4
AYB321	Management Accounting Theory	12	4

LWB232/2	Criminal Law & Procedure	12	3
LWB235	Australian Federal Constitutional Law	12	3
LWB366	Law of Commercial Entities	8	2
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 Units[6]	16	
Year 5, Semester 2			
LWB359	Advanced Taxation Law	12	2
LWB433	Professional Responsibility	12	3
LWB434	Advanced Research & Legal Reasoning	12	3
	Elective Units[6]	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.*

Course Structure		Credit Points	Contact Hrs/Wk
Year 1, 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
Year 1, Semester 2			
ITB102	Laboratory 2 (Computer Applications)	12	3
ITB310	Information Management 1	12	3
ITB411	Software Development 2	12	3
ITB412	Technology of Information Systems	12	3
Year 2, Semester 1			
ITB220	Database Design	12	3
ITB221	Laboratory 3 (Commercial Programming)	12	3
ITB520	Data Communications	12	3
LWB130	Introduction to Study in Law (2 weeks)		
LWB131/1	Law in Context	12	3
LWB134	Research and Legal Reasoning	12	3
Year 2, Semester 2			
ITB223	Laboratory 4 (4GL Programming)	12	3
ITB233	File Structures	12	3
LWB131/2	Law in Context	12	3
LWB135	Legislation	12	3
Year 3, Semester 1			
ITB222	Systems Analysis & Design 1	12	3
ITB230	Project	12	3
LWB132/1	Contracts	12	3
LWB133/1	Torts	12	4
LWB232/1	Criminal Law & Procedure	12	3
Year 3, Semester 2			
ITB241	Information Systems Management	12	3
LWB132/2	Contracts	12	3
LWB133/2	Torts	12	4
LWB232/2	Criminal Law & Procedure	12	3
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
Year 4, Semester 2			
LWB233/2	Property 1		
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 Units[7]	24	

[7] *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			
LWB333	Theories of Law	12	3
LWB433	Professional Responsibility	12	3
LWB434	Advanced Research & Legal Reasoning	12	3
	Elective Units[8]	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 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)		Credit Points	Contact Hrs/Wk
Year 5, Semester 1			
LWB431	Civil Procedure	12	3
LWB432	Evidence	12	3
	Elective Units[8]		
Year 5, Semester 2			
LWB333	Theories of Law	12	3
LWB433	Professional Responsibility	12	3
LWB434	Advanced Research & Legal Reasoning	12	3
	Elective Units[8]		

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.

[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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CEB184	Engineering Mechanics 1	8	3
MEB133	Materials 1	(8)	(3)
	OR		
MEB181	Engineering Communication	8	3
MAB301	Calculus and Analysis A	12	4
MAB303	Algebra and Analysis B	12	4
MAB347	Statistics 1A	12	4
PHB134	Engineering Physics 1B	8	3
Year 1, Semester 2			
CEB185	Engineering Mechanics 2	8	3
	Elective*	8	3
MEB181	Engineering Communication	(8)	(3)
	OR		
MEB133	Materials 1	8	3
MAB304	Calculus and Vector Algebra	12	4
MAB321	Computational Mathematics 1	12	4
MAB348	Statistics 1B	12	4

* Choice of elective to be made on advice of Course Coordinators.

Year 2, Semester 1			
CEB221	Engineering Investigation Analysis & Reporting	8	4
CEB240	Soil Mechanics 1	8	3.5
CEB254	Structural Engineering 1	8	3.5
CEB260	Fluid Mechanics	8	3.5

CEB293	Civil Engineering Materials	8	4
MAB601	Multivariable Calculus	12	4
Year 2, Semester 2			
CEB201	Steel Structures	8	3.5
CEB202	Concrete Structures 1	8	3.5
CEB242	Soil Mechanics 2A	8	3
CEB261	Hydraulic Engineering 1	8	3.5
MAB612	Differential Equations	12	4
MAB618	Computational Mathematics 2	12	4
Year 3, Semester 1			
CEB306	Concrete Structures 2	8	3
CEB309	Construction Practice	8	3
CEB362	Hydraulic Engineering 2	8	3
CEB370	Public Health Engineering	8	3
MAB647	Statistics 2A	12	4
MAB630	Linear Algebra & its Applications	12	4
Year 3, Semester 2			
CEB211	Highway Engineering	8	4
CEB255	Structural Engineering 2	8	3.5
CEB305	Construction Planning & Economics	8	3
CEB342	Geotechnical Eng 1	8	3
MAB637	Operations Research 1A	12	4
MAB648	Statistics 2B	12	4
Year 4, Semester 1			
CEB304/1	Civil Engineering Design 1	8	3.5
CEB406	Structural Applications	8	3
CEB403	Professional Practice	8	3
	Civil Elective	8	3
	Civil Elective	8	3
	Maths Elective	12	4
Year 4, Semester 2			
CEB304/2	Civil Engineering Design 1	8	3.5
CEB315	Traffic Engineering	8	3
CEB357	Structural Engineering 3	8	3
CEB371	Water & Wastewater Systems	8	3
CEB393	Engineering Investigation & Reporting 1	8	3
	Maths Elective	12	4
Year 5, Semester 1			
CEB405/1	Civil Engineering Design 2	8	3
CEB491/1	Project	8	3
	Civil Elective	8	3
	Civil Elective	8	3
	Maths Elective	12	4
Year 5 Semester 2			
CEB401	Design Project	8	3
CEB405/2	Civil Engineering Design 2	8	3
CEB491/2	Project	8	3
	Civil Elective	8	3
	Maths Elective	12	4
	Maths Elective	12	4

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 IB

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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
EEB101	Circuits & Measurements	8	3
MAB301	Calculus & Analysis A	12	4
MAB303	Algebra & Analysis B	12	4
MAB347	Statistics 1A	12	4
MEB181	Engineering Communication	8	4
PHB134	Engineering Physics 1B	8	3
Year 1, Semester 2			
CSB155	Introduction to Computing	12	4
EEB210	Network Analysis	8	4
EEB270	Digital Design Principles	8	3
MAB304	Calculus & Vector Algebra	12	4
MAB348	Statistics 1B	12	4
PHB234	Engineering Physics 2B	8	3
Year 2, Semester 1			
EEB302	Electrotechnology 1	8	3
EEB310	Network Synthesis	8	4

EEB375	Electronics 1	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 1 (List A)	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 2 (List B)	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

EB532	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.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CSB155	Introduction to Computing	12	4
EEB101	Circuits and Measurements	8	3
ITB210	Formal Representation	12	3
MAB103	Introductory Engineering Mathematics[9]	(8)	(3)
MAB187	Engineering Mathematics 1A	8	4
PHB134	Engineering Physics 1B	8	3
MEB181	Engineering Communication	8	4
Year 1, Semester 2			
EEB270	Digital Design Principles	8	3
EEB210	Network Analysis	8	4
ITB102	Laboratory 2 (Computer Applications)	12	3
ITB411	Software Development 2	12	3
MAB188	Engineering Mathematics 1B	8	4
PHB234	Engineering Physics 2B	8	3
Year 2, Semester 1			
EEB375	Electronics 1	8	4
EEB302	Electrotechnology 1	8	3
EEB310	Network Synthesis	8	4
ITB421	Data Structure & Algorithms	12	3
ITB422	Laboratory 3 (ADTs in C/Unix)	12	3
MAB485	Engineering Mathematics 2A	8	3
Year 2, Semester 2			
EEB476	Electronics 2	8	4
EEB400	Electrotechnology 2	8	3
EEB475	Microprocessor Systems	8	3
ITB412	Technology of Information Systems	12	3
ITB424	Software Engineering Principles	12	3
MAB486	Engineering Mathematics 2B	8	3
Year 3, Semester 1			
EEB362	Introduction to Telecommunications	8	3
EEB530	Engineering Electromagnetics	8	3
EEB587	Design 1	8	3
ITB420	Computer Architecture	12	3
ITB423	Laboratory 4 (Software Development)	12	3
MAB893	Engineering Mathematics 3	8	3
Year 3, Semester 2			
EEB420	Control Systems 1	8	3
EEB665	Transmission & Propagation	8	3
EEB788	Design 2	8	3
EEB881	Production Technology and Quality	8	3
ITB430	Concurrent Systems	12	3
ITB431	Programming Language Paradigms	12	3
Year 4, Semester 1			
EEB565	Signals and Linear Systems	8	3
EEB380	Engineering Management Skills	8	3
EEB682	Engineering Business Skills	8	3
ITB440	Language & Language Processing	12	3
	Computing Elective	12	3
	Electrical Elective Unit 1 (List A)	8	3
Year 4, Semester 2			
EEB624	Control Systems 2	8	3
EEB668	Digital Signal Processing	8	3

[9] *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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BSB116	Marketing and International Business	12	3
BSB117	Professional Communication & Negotiation	12	3
CEB184	Engineering Mechanics 1	8	3
MAB103	Introductory Mathematics [10]	(8)	3

[10] *MAB103 Introductory Mathematics is to be taken only by those students not obtaining a SA or better in Queensland Maths C.*

MAB187	Engineering Mathematics 1A	8	4
MEB173	Manufacturing Practice	8	3
PHB134	Engineering Physics 1B	8	3

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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
ITB101	Laboratory 1 (Computing Environments)	12	3
ITB210	Formal Representation	12	3
ITB410	Software Development 1	12	3
MAB103	Introductory Engineering Mathematics[11]	(8)	(3)
MAB187	Engineering Mathematics 1A	8	3
PSB315	Land Administration 1	6	3
PSB325	Land Surveying 1	8	3
Year 1, Semester 2			
BSB118	Business Communication & Application Systems	12	3
ITB102	Laboratory 2 (Computer Applications)	12	3
ITB411	Software Development 2[12]	12	3
ITB412	Technology of Information Systems	12	3
MAB188	Engineering Mathematics 1B	8	3
PSB326	Land Surveying 2	8	3
Year 2, Semester 1			
ITB220	Database Design	12	3
MAB494	Survey Mathematics 1	6	3
PHB172	Physics for Surveyors	8	3
PSB327	Land Surveying 3	10	3
PSB342	Spatial Information Science 1	8	3
Year 2, Semester 2			
ESB229	Geology in the Built Environment	8	3
ITB310	Information Management 1	12	3
MAB496	Survey Mathematics 2	6	3
PSB054	Environmental Science	4	2
PSB306	Cartography 1	8	3
PSB328	Land Surveying 4	8	3
PSB334	Photogrammetry 1	6	3
Year 3, Semester 1			
ITB320	Laboratory 3 (Database Applications)	12	3
MAB795	Survey Mathematics 3	6	3
MAB893	Engineering Mathematics 3	8	3
MEB221	Engineering Science 1	6	3
PSB307	Cartography 2	10	3
PSB340	Remote Sensing 1	6	3
Year 3, Semester 2			
ITB323	Laboratory 4 (Information Support Methods)	12	3
ITB331	Information Management 2	12	3
PSB303	Analysis of Spacial Measurement 1	6	3
PSB308	Cartography 3	8	3
PSB317	Land Administration 3	8	3
SSB937	Applied Cognitive Psychology	12	3
Year 4, Semester 1			
ITB321	Systems Analysis	12	3
PSB304	Analysis of Spatial Measurement 2	6	3
PSB309	Cartography 4	8	3
PSB329	Land Surveying 5	8	3
PSB333	Map Projections	6	3
PSB335	Photogrammetry 2	8	3
PSB346	Spheroidal Computations	6	3

[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:

		Credit Points	Contact Hrs/Wk
First Semester			
BSB110	Accountancy	12	3
BSB113	Economics	12	3
BSB115	Management, People & Organisations	12	3
BSB116	Marketing & International Business	12	3
MGB207	Managing Human Resources	12	3
MJB118	Fundamentals of Photography	12	3
MJB200	Video Drama Production	12	3
Second Semester			
BSB114	Government, Business & Society	12	3
BSB115	Management, People & Organisations	12	3
BSB116	Marketing & International Business	12	3
COB213	Strategic Speech Communication	12	3
COB325	Public Relations Theory & Practice	12	3
ESB102	Economics 2	12	3
MGB207	Managing Human Resources	12	3

■ 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 kndge 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		Credit Points	Contact Hrs/Wk
Year 1, Semester 2			
ESB229	Geology in the Built Environment	8	3
ITB310	Information Management 1	12	3
MAB103	Introductory Engineering Mathematics[13]	8	3
	OR		
MAB187	Engineering Mathematics 1A	(8)	4
PHB172	Physics for Surveyors	8	3
PSB054	Environmental Science	4	2
PSB306	Cartography 1	8	3
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

ITB220	Database Design	12	3
MAB795	Surveying Mathematics 3	6	3
MAB893	Engineering Mathematics 3	8	3
MEB221	Engineering Science 1	6	3
PSB307	Cartography 2	10	3
PSB340	Remote Sensing 1	6	3
PSB342	Spatial Information Science 1	8	3

Year 3, Semester 2

ITB331	Information Management 2	12	3
PSB303	Analysis of Spatial Measurement 1	6	3
PSB308	Cartography 3	8	3
PSB315	Land Administration 1	6	3
PSB317	Land Administration 3	8	3
PSB328	Land Surveying 4	8	3
SSB937	Applied Cognitive Psychology	12	3

Year 4, Semester 1

ITB320	Laboratory 3 (Database Applications)	12	3
ITB321	Systems Analysis	12	3
PSB304	Analysis of Spatial Measurement 2	6	3
PSB309	Cartography 4	8	3
PSB329	Land Surveying 5	8	3
PSB333	Map Projections	6	3
PSB346	Spheroidal Computations	6	3

Year 4, Semester 2

ITB323	Laboratory 4 (Information Support Methods)	12	3
ITB341	Information Management 3	12	3
ITB520	Data Communications	12	3
PSB310	Geodesy 1	6	3
PSB330	Land Surveying 6	8	3
PSB343	Spatial Information Science 2	8	3

Year 5, Semester 1

IFB880/1	Project	12	3
ITB330	Information Issues & Values	12	3
PSB335	Photogrammetry 2	8	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
PSB336	Photogrammetry 3	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:

		Credit Points	Contact Hrs/Wk
First Semester			
BSB110	Accountancy	12	3
BSB113	Economics	12	3
BSB115	Management, People & Organisations	12	3

BSB116	Marketing & International Business	12	3
MGB207	Managing Human Resources	12	3
MJB118	Fundamentals of Photography	12	3
MJB200	Video Drama Production	12	3

Second Semester

BSB114	Government, Business & Society	12	3
BSB115	Management, People & Organisations	12	3
BSB116	Marketing & International Business	12	3
COB213	Strategic Speech Communication	12	3
COB325	Public Relations Theory & Practice	12	3
ESB102	Economics 2	12	3
MGB207	Managing Human Resources	12	3

■ 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:

		Credit Points	Contact Hrs/Wk
CHS200	Chemistry	6	3
ITB001	Computing Practice (NOTE) 1	6	3
ITB002	Computing Practice (NOTE) 2	6	3
MAS090	Mathematics (a full year unit)	12	3
MAS091	Mathematics	12	6
PHS021	Introductory Physics	6	3

FACULTY OF ARTS

Courses

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)

Postgradaute 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 postrgraduate 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 – Dauce, Drama, Music and Visual Arts		Credit Points	Contact Hrs/Wk
AAN001	Arts Research Methods 1	12	3
AAN003	Aesthetic Codes in Contemporary Society	12	3
AAN002	Arts Research Methods 2	12	3
AAN004	Graduate Seminar	12	3

Core Units – Creative Writing, Film and Television Production, Journalism, Media Studies		Credit Points	Contact Hrs/Wk
AAN001 Arts Research Methods 1		12	3
Plus 3 of:			
MJP101	Media Theory	12	3
MJP102	Media Policy Environment	12	3
MJP103	Creative Writing Theory	12	3
MJP105	Theories of Journalism	12	3

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		Credit Points	Contact Hrs/Wk
Semester 1			
AAN003	Aesthetic Codes in Contemporary Society	12	3
AAN011	Advanced Professional Practice 1	12	
AAN012	Advanced Professional Practice 2	12	
	Elective Unit	12	
Semester 2			
AAN013	Advanced Professional Practice 3	24	
	Elective Unit	24	
Semester 3			
ATN004	Research Project – 4 units	48	

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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
SSN000	Counselling Studies 1	12	3
SSN001	Professional Studies 1	12	3
Year 1, Semester 2			
SSN002	Counselling Studies 2	12	3
SSN003	Group Studies	12	3
Year 2, Semester 1			
SSN004	Counselling Studies 3	12	3
SSN005	Research Methods & Issues	12	3

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

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
MJP102	Media Policy Environment	12	3
MJB155	Media Production	12	5
MJB127	Film Narrative	12	3
Select one of the following units:			
MJP101	Media Theory	12	3
MJP105	Theories of Journalism	12	3
Year 1, Semester 2			
MJB200	Video Drama Production	12	6
MJB229	Film & Television Scriptwriting	12	3
Select two of the following units:			
AAN001	Arts Research Methods 1	12	3
	Elective Unit	12	
	Elective Unit	12	

Part-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
MJP102	Media Policy Environment	12	3
MJB127	Film Narrative	12	3
Year 1, Semester 2			
MJB155	Media Production	12	5
MJB229	Film & Television Scriptwriting	12	3
Year 2, Semester 1			
MJB200	Video Drama Production	12	6
Select one of the following units:			
MJP101	Media Theory	12	3
MJP105	Theories of Journalism	12	3
Year 2, Semester 2			
Select two of the following units:			
AAN001	Arts Research Methods 1	12	3
	Elective Unit	12	
	Elective Unit	12	

JOURNALISM

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
MJP100	Journalistic Writing	12	3
MJP105	Theories of Journalism	12	3
MJB239	Journalistic Ethics & Issues	12	3
Select one of the following units:			
MJP101	Media Theory	12	3
MJP102	Media Policy Environment	12	3
Year 1, Semester 2			
MJB224	Feature Writing	12	3
Select one of the following units:			
MJB322	Sub-editing & Layout	12	3
MJB232	Radio & Television Journalism 1	12	3

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		Credit Points	Contact Hrs/Wk
Semester 1			
MJB350	Creative Writing & Publishing	12	3
Plus one of:			
Either			
MJB111	Media Writing	12	3
	OR		
MJB127	Film Narrative	12	3
	OR		
MJB250	Language & Literature	12	3
	OR		
MJP103	Creative Writing Theory *	12	3

* 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		Credit Points	Contact Hrs/Wk
Semester 1			
AAB001/1	Research Project	24	
AAB004	Contemporary Aesthetic Debates	12	3
	Select from List A	12	3
	Elective [1]	12	3
Semester 2			
AAB002	Graduate Seminar	12	
AAB001/2	Research Project	24	
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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
ATB100	Texts and Meanings (Faculty Core Unit)	12	3

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[2]

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	12	4
	OR		
HUB672	French Language & Culture 1 (for students who have completed Year 12 French or equivalent)	12	4
HUB735	Introductory German 1	12	4
	OR		
HUB737	German Language & Culture 1 (for students who have completed Year 12 German or equivalent)	12	4

LIST B

One of the following electives may be chosen:

HUB612	Modern Indonesian Studies (elective in the Asia/Pacific Studies Major)	12	3
HUB710	Australian Literary Studies (elective in the Australian Studies Major)	12	3
HUB721	The Classical World (elective in the European Studies Major)	12	3
HUB772	Introduction to Politics: Political Ideologies (elective in the Applied Ethics Major)	12	3

Year 1, Semester 2

HUB600	Australian Society and Culture (Faculty Core Unit)	12	3

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	12	3
HUB750	Understanding Ethics	12	3
HUB760	Approaches to Feminist Studies	12	3

LOTE Studies

Students wishing to study a language other than English should select one of the following LOTE units:

HUB651	Introductory Indonesian 2	12	4
	OR		
HUB653	Indonesian Language & Culture 2 (for students who have completed Year 12 Indonesian or equivalent)	12	4
HUB661	Introductory Japanese 2	12	4
	OR		
HUB663	Japanese Language & Culture 2 (for students who have completed Year 12 Japanese or equivalent)	12	4
HUB671	Introductory French 2	12	4
	OR		
HUB673	French Language & Culture 2 (for students who have completed Year 12 French or equivalent)	12	4
HUB736	Introductory German 2	12	4
	OR		
HUB738	German Language & Culture 2 (for students who have completed Year 12 German or equivalent)	12	4

LIST B

One of the following electives may be chosen:

HUB601	Human Identity & Change (elective in the Applied Ethics Major)	12	3
HUB626	Contemporary South East Asia (elective in the Asia/Pacific Studies Major)	12	3
HUB694	Australian Politics (elective in the Australian Studies Major)	12	3
HUB724	Nineteenth Century English Literature & Culture (elective in the European Studies Major)	12	3

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):

AAB051	Arts in Society	12	3
MJB140	The Media & Society	12	3
SSB002	Studies in Human Rights	12	3
SSB003	Introduction to Psychology	12	3

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)

HUB750	Understanding Ethics	12	3

Advanced (Elective Units)

HUB751	Public & Professional Ethics	12	3
HUB752	The Just Society	12	3
HUB753	Ethical Decision-making	12	3
HUB754	Feminism & Ethics	12	3
HUB755	Vulnerable Identities	12	3
HUB756	Seminar in Ethics & Public Philosophy (Advanced Seminar)	12	3
HUB757	Ethics, Technology & the Environment	12	3
HUB758	Seminar in Health Care Ethics (Advanced Seminar)	12	3
HUB601	Human Identity & Change	12	3
HUB617	Women, Aid & Development	12	3
HUB682	Social Movements in Australia	12	2
HUB687	Contemporary Moral Problems	12	3
HUB772	Introduction to Politics: Political Ideologies	12	3
SSB037	Studies in Human Rights 3	12	3

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)

HUB610	Approaches to Asia/Pacific Studies	12	3

Advanced (Elective Units)

HUB612	Modern Indonesian Studies	12	3
HUB617	Women, Aid & Development	12	3
HUB618	Asian Women: Tradition, Colonisation & Revolution	12	3
HUB619	Pacific Culture Contact	12	3
HUB620	The Pacific Since 1945	12	3
HUB621	North American Studies	12	3
HUB622	Latin American Studies	12	3
HUB623	Asia/Pacific Political Studies	12	3
HUB624	Islam & Politics in Southeast Asia (Advanced Seminar)	12	3
HUB625	American Literature	12	3
HUB626	Contemporary South-East Asia	12	3
HUB627	Australia & the South Pacific	12	3
HUB628	Modern Japan	12	3
HUB629	Modern China	12	3
HUB630	Geography of East Asia	12	3
HUB631	Seminar in Japanese Issues (Advanced Seminar)	12	3

Option 2 – Indonesian Language and Culture (96 credit points)

HUB610	Approaches to Asia/Pacific Studies	12	3
HUB612	Modern Indonesian Studies	12	3

Sequence of six Indonesian language units:

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
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

HUB685	Australian Resource Management	12	3
HUB687	Contemporary Moral Problems	12	3
HUB694	Australian Politics	12	3
HUB713	Seminar in Australian Urban Studies (Advanced Seminar)	12	3

Strand 2 – Historical Australia

HUB690	Themes in Australian History	12	3
HUB691	Women's Past: Women's History to Feminist Historiography	12	3
HUB692	Conspiracy & Dissent in Australian History	12	3
HUB693	Australian Race Relations	12	3
HUB713	Seminar in Australian Urban Studies (Advanced Seminar)	12	3
HUB714	Aboriginal Communities in Crisis and Recovery (Advanced Seminar)	12	3

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:

HUB700	Aboriginal & Torres Strait Islander Culture Studies	12	3
HUB690	Themes in Australian History	12	3
HUB693	Australian Race Relations	12	3
HUB701	Aboriginal & Torres Strait Islander Literature	12	3
HUB702	The Australian Dreaming: The Indigenous Construction	12	3
HUB703	Indigenous Politics & Political Culture	12	3
HUB713	Seminar in Australian Urban Studies (Advanced Seminar)	12	3

Strand 4 – Australian Literary and Cultural Studies

HUB701	Aboriginal & Torres Strait Islander Literature	12	3
HUB710	Australian Literary Studies	12	3
HUB711	Australian Women's Writing	12	3
HUB712	Australian Children's & Adolescent Fiction	12	3
HUB713	Seminar in Australian Urban Studies (Advanced Seminar)	12	3
HUB714	Aboriginal Communities in Crisis and Recovery (Advanced Seminar)	12	3

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)

HUB720	Approaches to European Studies	12	3

Advanced (Elective Units)

HUB649	History Writing in Modern Europe (Advanced Seminar)	12	3
HUB721	The Classical World	12	3
HUB722	Foundations of Modern Europe	12	3
HUB723	War & Revolution in Europe 1914-1945	12	3
HUB724	Nineteenth Century English Literature & Culture	12	3
HUB725	Twentieth Century English Literature & Culture	12	3
HUB726	European Literature & Social Change	12	3
HUB727	European Literature & Identity	12	3
HUB728	Popular Literature	12	3
HUB729	Shakespeare	12	3
HUB730	Women's Writing & Representation	12	3
HUB743	Nations & Nationalism	12	3

Option 2 – French Language and Culture (96 credit points)

HUB720	Approaches to European Studies	12	3
HUB723	Europe in the Twentieth Century	12	3

Sequence of six French 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 OR	12	
HUB647	International Summer School or equivalent (optional)	24	

Option 3 – German Language and Culture (96 credit points)

HUB720	Approaches to European Studies	12	3
HUB723	Europe in the Twentieth Century	12	3
Sequence of six German language units			
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
Students are encouraged to enrol in:			
HUB646	International Intensive Program OR	12	
HUB647	International Summer School or equivalent (optional)	24	

FEMINIST STUDIES MINOR

Introductory (Compulsory)

HUB760	Approaches to Feminist Studies	12	3

Advanced (Elective Units)

HUB617	Women, Aid & Development	12	3
HUB618	Asian Women: Tradition, Colonisation & Revolution	12	3
HUB691	Women's Past: Women's History to Feminist Historiography	12	3
HUB711	Australian Women's Writing	12	3
HUB730	Women's Writing & Representation	12	3
HUB754	Feminism & Ethics	12	3
HUB761	Nineteenth Century Comparative Women's Writing (Advanced Seminar)	12	3
HUB762	Seminar in Women's Historical Perspectives (Advanced Seminar)	12	3
HUB763	Seminar in Gender and Representation (Advanced Seminar)	12	3

POLITICAL STUDIES MINOR

Introductory (Compulsory)

HUB772	Introduction to Politics – Political Ideologies	12	3

Advanced (Elective Units)

HUB694	Australian Politics	12	3
HUB623	Asia/Pacific Political Studies	12	3
HUB682	Social Movements in Australia	12	3
HUB703	Indigenous Politics & Political Culture	12	3
HUB752	The Just Society	12	3
HUB800	Politics & Markets	12	3
HUB801	Politics & Consumption	12	3
HUB802	Politics & Production	12	3
HUB803	Patterns of Regulation	12	3

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 Coordiuators:
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		Credit Points	Contact Hours/Wk
Year 1, Semester 1			
MJB140	Media & Society (Faculty Core Unit)	12	3
MJB155	Media Production (School Core Unit)	12	5
MJB165	Creative Sound Production	12	4
MJB118	Fundamentals of Photography	12	4
Year 1, Semester 2			
MJB111	Media Writing (School Core Unit)	12	3
MJB200	Video Drama Production	12	6
MJB166	Creative Image Production	12	4
MJB127	Film Narrative	12	3
Year 2, Semester 3			
	Faculty Core Unit – Student Choice	12	3
MJB229	Film & Television Scriptwriting	12	3
MJB231	Television Studio Production	12	6
	Elective	12	
Year 2, Semester 4			
ATB100	Texts & Meanings (Faculty Core Unit)	12	3
	School Core Unit – Student Choice	12	3
MJB213	Film Drama Production	12	6
	Elective	12	

Year 3, Semester 5

MJB314	Film & Television Business	12	3
MJB334	Video Documentary Production	12	6
	Elective	12	
	Elective	12	

Year 3, Semester 6

	Faculty Core Unit – Student Choice	12	3
	School Core Unit – Student Choice	12	3
	Elective	12	
	Elective	12	

Faculty Core:
Media and Society
Texts and Meanings

Plus two of:
Arts in Society
Australian Society and Culture
Introduction to Human Rights
Introduction to Psychology

School Core:
Media Production
Media Writing

Plus two of:
Language and Literature
Media Industries and Issues
New Media Technologies
Newswriting

JOURNALISM MAJOR (JOU)

Professional Recognition

This degree is recognised by the Media Entertainment and Arts Alliance.

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
MJB140	Media & Society (Faculty Core Unit)	12	3
MJB101	Journalism Information Systems	12	3
HUB600	Australian Society & Culture (Faculty Core Unit)	12	3
MJB120	Newswriting (School Core Unit)	12	3
Year 1, Semester 2			
	Faculty Core Unit – Student Choice	12	3
	Faculty Core Unit – Student Choice	12	3
MJB180	Speech Communication for Journalists	12	3
MJB121	Journalistic Inquiry	12	3
Year 2, Semester 1			
MJB155	Media Production (School Core Unit)	12	5
MJB239	Journalism Ethics & Issues	12	3
MJB224	Feature Writing	12	3
	Elective	12	
Year 2, Semester 2			
MJB250	Language & Literature (School Core Unit)	12	3
MJB336	New Media Technologies (School Core Unit)	12	3
MJB232	Radio & Television Journalism I	12	3
	Elective	12	
Year 3, Semester 1			
MJB322	Sub-editing & Layout	12	3
MJB338	Radio & Television Journalism II	12	3
	Elective	12	
	Elective	12	
Year 3, Semester 2			
MJB303	News Production	12	3
MJB337	Public Affairs Reporting	12	3
	Elective	12	
	Elective	12	

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 STUDIES MAJOR (MST)

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
MJB130	Media Text Analysis	12	3
MJB141	Film & Television Language	12	4
MJB140	Media & Society (Faculty Core Unit)	12	3
HUB600	Australian Society & Culture (Faculty Core Unit)	12	
Year 1, Semester 2			
MJB147	Film & Television Genres	12	3
MJB111	Media Writing (School Core Unit)		
	OR		
MJB155	Media Production (School Core Unit)	12	5
	Faculty Core Unit – Student Choice	12	3
	Faculty Core Unit – Student Choice	12	3
Year 2, Semester 1			
MJB233	Television Cultures	12	3
MJB120	Newswriting (School Core Unit)	12	3
	Elective	12	
	Elective	12	
Year 2, Semester 2			
MJB209	Australian Television	12	3
MJB204	Media Industries & Issues (School Core Unit)	12	3
	Elective	12	
	Elective	12	
Year 3, Semester 1			
MJB343	Australian Film	12	3
MJB305	American Film & Society	12	3
	OR		
MJB310	Asian & Latin American Cinema	12	3
	OR		
MJB344	European Cinema	12	3
	Elective	12	
	Elective	12	
Year 3, Semester 2			
MJB336	New Media Technologies (School Core Unit)	12	3
MJB307	Feminist Media Studies	12	3
	OR		
MJB346	Australian Documentary: Film & Television	12	3
	Elective	12	
	Elective	12	

Faculty Core:
Media and Society
Australian Society and Culture
Plus two of:
Arts in Society
Introduction to Human Rights
Texts and Meanings
Introduction to Psychology

School Core:
Media Writing
OR
Media Production
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		Credit Points	Contact Hrs/Week
Year 1, Semester 1			
MJP101	Media Theory (formerly Communication Theory 2)	12	3
MJP102	Media Policy Environment (formerly (Communication Policy Environment)	12	3
MJP105	Theories of Journalism	12	3
Select one of the following units:			
HUB900	Research Contexts & Issues	12	3
AAN001	Arts Research Methods 1	12	3
Year 1, Semester 2			
MJP106	Dissertation	48	1
Part-Time Course Structure			
Year 1, Semester 1			
MJP101	Media Theory	12	3
Select one of the following units:			
MJP105	Theories of Journalism	12	3
MJP102	Media Policy Environment	12	3
Year 1, Semester 2			
MJP107/1	Dissertation	12	1
Select one of the following units:			
HUB900	Research Contexts & Issues	12	3
AAN001	Arts Research Methods 1	12	3
Year 2, Semester 1			
MJP107/2	Dissertation	12	1
Select one of the following units:			
MJP105	Theories of Journalism	12	3
MJP102	Media Policy Environment	12	3
Year 2, Semester 2			
MJP107/3	Dissertation	24	1

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		Credit Points	Contact Hrs/Wk
Semester 1			
HUB900	Research Contexts & Issues	12	3
HUB901	Literature Review	12	
HUB902	Honours Dissertation I	12	
Elective to be chosen from a list available from the Honours Coordinator, including:			
HUB631	Seminar in Japanese Issues (Advanced Seminar)	12	3
HUB649	History Writing in Modern Europe (Advanced Seminar)	12	3
HUB714	Aboriginal Communities in Crisis & Recovery (Advanced Seminar)	12	3
HUB756	Seminar in Ethics & Public Philosophy (Advanced Seminar)	12	3
Semester 2			
HUB903	Honours Dissertation II	36	
HUB904	Honours Seminar	12	3

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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
AAB051	Arts in Society (Faculty core unit)	12	3
	Choice of Faculty core units	12	
AAB801	Foundations of Communication Design 1	12	3
AAB807	Media Technology 1	12	3
Year 1, Semester 2			
ATB100	Texts & Meanings	12	3
AAB802	Foundations of Communication Design 2	12	3
AAB808	Media Technology 2	12	3
AAB811	History of Design & Media Technology	12	3
Year 2, Semester 1			
	Choice of Faculty core units	12	
AAB626	Music & Sound for Multimedia	12	3
AAB803	Design Studio 1	12	3
AAB809	Media Technology 3	12	3
Year 2, Semester 2			
AAB804	Design Studio 2	12	3
AAB810	Media Technology 4	12	3
AAB812	Design & Media Theory	12	3
SSB937	Applied Cognitive Psychology	12	3
Year 3, Semester 1			
AAB055/1	Professional Practice	6	
AAB805	Design Studio 3	12	3
AAB813/1	Contemporary Issues in Media Technology & Communication Design	6	3
	Electives	24	
Year 3, Semester 2			
AAB055/2	Professional Practice	6	
AAB806	Design Studio 4	12	3
AAB813/2	Contemporary Issues in Media Technology & Communication Design	6	3
	Electives	24	

□ 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

AAB055	Professional Practice[3]	12	
AAB057	Independent Study[3]	12	
AAB058	Arts Research[4]	12	3
AAB059	Hybrid Arts Project	12	3
AAB053	Gender Issues in Visual and Performing Arts	12	3
AAB062	Arts Event Promotion & Public Relations	12	3

Semester 2

AAB055	Professional Practice[3]	12	
AAB056	Professional Studies	12	3
AAB057	Independent Study[3]	12	
AAB059	Hybrid Arts Project	12	3
AAB060	Applied Research Methodologies[5]	12	3
AAB061	Arts Business Management	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

Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
AAB051	Arts in Society (Faculty core unit)	12	3
	Choice of Faculty core units	12	
AAB121/1	Contemporary Technique 1[6]	6	7.5
AAB125	Dance Analysis & History 1	12	3
AAB166/1	Ballet Technique & Kinesiology[6]	6	6
Year 1, Semester 2			
AAB100	Composition 1	12	3
AAB106	Dance Analysis & History 2	12	3
AAB121/2	Contemporary Technique 1[6]	6	7.5
AAB166/2	Ballet Technique & Kinesiology[6]	6	6
ATB100	Texts & Meanings	12	3
Year 2, Semester 1			
Choice of Academy elective units		12	
AAB122/1	Contemporary Technique 2[6]	6	7.5
AAB165/1	Composition 2	6	1.5
AAB167/1	Ballet Technique & Alignment[6]	6	6
	Electives	24	
Year 2, Semester 2			
AAB109	Practicum	12	
AAB122/2	Contemporary Technique 2[6]	6	7.5
AAB165/2	Composition 2	6	1.5
AAB167/2	Ballet Technique & Alignment[4]	6	6
	Elective	12	
Year 3, Semester 1			
AAB116	Dance in the Community	12	3

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

Course Structure		Credit Points	Contact Hrs/Wk
ACTING (ACT)			
Year 1, Semester 1			
AAB051	Arts in Society (Faculty core unit)	12	3
	Choice of Faculty core units	12	
AAB202	Acting 1[7]	12	14
AAB204	Voice & Movement 1	12	6
Year 1, Semester 2			
AAB203	Acting 2[7]	12	21
AAB205	Voice & Movement 2	12	6

[7] *Designated units. See Student Rules for details.*

[8] *Honours prerequisites.*

AAB251	Studies in Theatre History 1	12	3
ATB100	Texts & Meanings (Faculty Core Unit)	12	3

Year 2, Semester 1

	Choice of Faculty Core Units	12	
AAB233	Voice & Movement 3	12	6
AAB247	Acting 3[9]	12	20
AAB254/1	Music & Dance	12	3

Year 2, Semester 2

AAB234	Voice & Movement 4	12	6
AAB248	Acting 4[9]	12	20
AAB252	Studies in Theatre History 2	12	3
AAB254/2	Music & Dance	12	3

Year 3, Semester 1

AAB235	Voice & Movement 5	12	6
AAB253	Studies in Theatre History 3	12	3
AAB255	Theatre Production 1	24	

Year 3, Semester 2

AAB056	Professional Studies	12	3
AAB256	Theatre Production 2	36	

TECHNICAL PRODUCTION & MANAGEMENT

Year 1, Semester 1

AAB051	Arts in Society (Faculty core unit)	12	3
	Choice of Faculty core units	12	
AAB208	Elements of Drama	12	3
AAB289	Technical Production 1	12	6

Year 1, Semester 2

AAB251	Studies in Theatre History 1	12	3
AAB290	Technical Production 2	12	6
AAB292	Stage & Technical Management 1	12	4
ATB100	Texts & Meanings (Faculty Core Unit)	12	3

Year 2, Semester 1

	Choice of Faculty Core Units	12	
AAB276	Visual Theatre	12	3
AAB289	Technical Production 1	12	6
AAB292	Stage & Technical Management 1	12	4

Year 2, Semester 2

AAB274	Theatrecraft	12	6
AAB293	Stage & Technical Management 2	12	4
AAB290	Technical Production 2	12	6
	Elective	12	

Year 3, Semester 1

AAB255	Theatre Production 1	24	
AAB291	Technical Production 3	12	6
AAB294	Stage & Technical Management 3	12	4

Year 3, Semester 2

AAB056	Professional Studies	12	3
AAB256	Theatre Production 2	36	

OPEN (OPE)

Year 1, Semester 1

AAB051	Arts in Society (Faculty core unit)	12	3
	Choice of Faculty core units	12	
AAB208	Elements of Drama	12	3
AAB259	The Performance Instrument	12	4

[9] *Designated units. See Student Rules for details.*

Year 1, Semester 2

AAB251	Studies in Theatre History 1	12	3
AAB257	Acting Studies 1	12	3
AAB273	Performance	12	
ATB100	Texts & Meanings (Faculty Core Unit)	12	3

Year 2, Semester 1

	Choice of Faculty Core Units	12	
AAB214	Process Drama	12	3
AAB304	Forming Knowledge	12	3
	Elective	12	

Year 2, Semester 2

AAB252	Studies in Theatre History 2	12	3
AAB258	Acting Studies 2	12	3
AAB271	Studies in Directing	12	3
	Elective	12	

Year 3, Semester 1

AAB058	Arts Research[10]	12	3
	Elective Units	36	

Year 3, Semester 2

AAB272	Drama & Community Cultural Development	12	3
	Elective Units	36	

ARTS ADMINISTRATION

Year 2, Semester 1

	Choice of Academy elective units	12	
AAB062	Arts Events Promotion & Public Relations	12	3
AAB261	The Arts Environment	12	3
COB160	Professional Communication	12	3

Year 2, Semester 2

AAB061	Arts Business Management	12	3
AAB252	Studies in Theatre History 2	12	3
AAB263	Arts Marketing	12	3
AYB100	Accounting for Managers	12	3

Year 3, Semester 1

AAB255	Theatre Production 1	24	
AAB266	Arts Events Planning	12	3
MKP100	Fundraising Principles	12	3

Year 3, Semester 2

AAB056	Professional Studies	12	3
AAB256	Theatre Production 2	36	

Drama Electives

Semester 1

AAB216	Playwrighting	12	4
AAB253	Studies in Theatre History 3	12	3
AAB276	Visual Theatre	12	3
AAB277	Physical Theatre	12	3
AAB281	Directing for Theatre	12	3

Semester 2

AAB275	Reading Performance	12	3
AAB279	Theatre for Young People	12	5
AAB278	Technical Theatre	12	3
AAB280	Drama as Social Action	12	3
AAB282	Writing for Performance	12	4

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 3380fax (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

Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
AAB051	Arts in Society (Faculty core unit)	12	3
	Choice of Faculty core units	12	
AAB606/1	Principal Studies 1[11]	12	4
AAB601/1	Musicianship 1	6	2
AAB604/1	Writing Techniques 1	6	2
Year 1, Semester 2			
AAB606/2	Principal Studies 1[11]	12	4
AAB609	Music in Western Civilisation 1	12	4
AAB601/2	Musicianship 1	6	2
AAB604/2	Writing Techniques 1	6	2
ATB100	Texts & Meanings (Faculty Core Unit)	12	3
Year 2, Semester 1			
	Choice of Faculty Core Units	12	
AAB607/1	Principal Studies 2[11]	12	4
AAB602/1	Musicianship 2	6	2
AAB605/1	Writing Techniques 2	6	2
	Elective Unit from List A or Non-Music Elective	12	
Year 2, Semester 2			
AAB607/2	Principal Studies 2[11]	12	4
AAB602/2	Musicianship 2	6	2
AAB605/2	Writing Techniques 2	6	2
AAB610	Music in Western Civilisation 2	12	4
	Elective Unit from List A OR Non-Music Elective	12	
Year 3, Semester 1			
AAB608/1	Principal Studies 3	12	4
AAB613	Music from 1900 – 1950	12	3
	Elective Units from List A or B OR Non-Music Elective	24	
Year 3, Semester 2			
AAB608/2	Principal Studies 3	12	4

[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	12
	Elective Units from List A or B OR	
	Non-Music Elective	24

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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
AAB051	Arts in Society (Faculty core unit)	12	3
	Choice of Faculty core units	12	
AAB740	Foundation Art Practice 1[12]	24	12
Year 1, Semester 2			
AAB741	Foundation Art Practice 2[12]	24	12
AAB726	Introduction to Art History	12	3
ATB100	Texts & Meanings (Faculty Core Unit)	12	3

[12] *Designated unit. See Student Rules for details.*

Year 2, Semester 1

	Choice of Faculty Core Units	12	
AAB742	Studio Art Practice 1[13]	12	6
AAB701	Modernism	12	3
	Elective Unit	12	

Year 2, Semester 2

AAB056	Professional Studies	12	3
AAB743	Studio Art Practice 2[13]	12	6
	Elective Units	24	

Year 3, Semester 1

AAB744	Studio Art Practice 3	12	6
AAB712	Contemporary Art Issues	12	3
	Elective Units	24	

Year 3, Semester 2

AAB056	Professional Studies	12	3
AAB745	Studio Art Practice 4	12	6
	Elective Units	24	

Studio Electives

AAB447	Drawing	12	3
AAB455	Computer Graphics	12	3
AAB457	Sculpture	12	3
AAB459	Visual Arts Design	12	3
AAP503	Clay Materials	12	3
AAP505	Fibre Arts	12	3
AAP507	Painting	12	3
AAP509	Photographic Media	12	3
AAP511	Printmaking	12	3

Extended Studio Electives

AAB751	Extended Studio Practice 1	12	6
AAB752	Extended Studio Practice 2	12	6
AAB753	Extended Studio Practice 3	24	12
AAB754	Extended Studio Practice 4	24	12

Art Theory Electives (not offered in 1996)

AAB711	Australian Art	12	3
AAB724	Renaissance to Nineteenth Century Art	12	3
AAB729	Texts and Meanings in the Visual Arts	12	3

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

[13] *Designated unit. See Student Rules for details.*

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
SSB000	Australian Society: Introduction to Sociology	12	3
SSB001	Human Development 1	12	3
SSB002	Introduction to Human Rights (Faculty Core Unit)	12	3
SSB003	Introduction to Psychology 1A (Faculty Core Unit)	12	3
Year 1, Semester 2			
	Faculty Core Unit – Student Choice	12	3
	Faculty Core Unit – Student Choice	12	3
Select two of the following four:			
SSB004	Social Inequality in Australia	12	3
SSB005	Human Development 2	12	3
SSB006	Studies in Human Rights 2	12	3
SSB007	Interpersonal Processes & Skills	12	3
Year 2, Semester 1			
SSB008	Counselling Theory & Practice 1	12	3
SSB009	The Australian Welfare State	12	3
SSB010	Professional Resources 1	12	3
Select one from the following:			
SSB011	Child & Family Services 1	12	3
SSB012	Disability Services 1	12	3
SSB013	Corrective Services 1	12	3
SSB014	Aged Services 1	12	3
SSB015	Multicultural Services 1	12	3
SSB016	Youth Services 1	12	3
Year 2, Semester 2			
May–August			
SSB026	Fieldwork Practice 1[14]	N/A	360 hrs for 10 weeks
SSB017	Group Work	12	3
SSB019	Professional Resources 2	12	3
SSB047	Organisational Skills 1	12	3
Select one from the following:			
SSB020	Child & Family Services 2	12	3
SSB021	Disability Services 2	12	3
SSB022	Corrective Services 2	12	3
SSB023	Aged Services 2	12	3
SSB024	Multicultural Services 2	12	3
SSB025	Youth Services 2	12	3
Year 3, Semester 1			
SSB027	Community Work	12	3
SSB028	Australian Political Structures & Institutions	12	3
SSB048	Organisational Skills 2	12	3
Select one from the following:			
SSB030	Child & Family Services 3	12	3
SSB031	Disability Services 3	12	3
SSB032	Corrective Services 3	12	3
SSB033	Aged Services 3	12	3
SSB034	Multicultural Services 3	12	3
SSB035	Youth Services 3	12	3
Year 3, Semester 2			
SSB037	Studies in Human Rights 3	12	3
SSB038	Social Policy & Social Change	12	3
SSB039	Contemporary Social Policies	12	3
SSB046	Directed Studies in Human Service Practice & Theories	12	3

[14] *Practicum completed during mid-semester break.*

October–December

SSB036	Fieldwork Practice 2	N/A	360 hrs for 10 wks

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

		Credit Points	Contact Hrs/Wk
Year 1, 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
	Elective Unit	12	
Year 1, Semester 2			
	Faculty Core Unit – Student Choice	12	3
SSB007	Interpersonal Processes & Skills	12	3
SSB930	Psychological Research Methods	12	3
SSB932	Introduction to Psychology 1B	12	3
Year 2, Semester 1			
SSB008	Counselling Theory & Practice 1	12	3
SSB915	Social Psychology	12	3
SSB950	Research Design & Data Analysis	12	3
	Elective Unit	12	
Year 2 Semester 2			
	Faculty Core Unit – Student Choice	12	3
Select two* of:			
SSB913	Developmental Psychology	12	3
SSB931	Human Learning & Motivation	12	3
SSB934	Physiological Psychology	12	3

* 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			
SSB933	Cognitive Psychology	12	3
	Elective Unit	12	
	Elective Unit	12	
	Elective Unit	12	
Year 3, Semester 2			
SSB936	Personality & Psychopathology	12	3
SSB941	Psychological Assessment	12	3
SSB951	Advanced Statistical Analysis**	12	3
	Elective Unit	12	

** 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			
SSB000	Australian Society: Introduction to Sociology	12	3
SSB003	Introduction to Psychology 1A (Faculty Core Unit)	12	3
Year 1, Semester 2			
SSB930	Psychological Research Methods	12	3
SSB932	Introduction to Psychology 1B	12	3

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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 2			
SSB007	Interpersonal Processes & Skills	12	3
SSB930	Psychological Research Methods	12	3
SSB932	Introduction to Psychology 1B	12	3
	Elective		
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 Psychology[15]	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.*

SSB933	Cognitive Psychology	12	3
	Elective		

Year 3, Semester 2

SSB934	Physiological Psychology	12	3
SSB936	Personality & Psychopathology	12	3
SSB941	Psychological Assessment	12	3
	Faculty Core Unit – Student Choice	12	3

Year 4, Semester 1

Elective
Elective
Elective
Elective

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.

SOCIOLOGY MAJOR (SOC)

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
SSB000	Australian Society: Introduction to Sociology	12	3
SSB001	Human Development 1	12	3
SSB002	Introduction to Human Rights (Faculty Core Unit)	12	3
SSB003	Introduction to Psychology (Faculty Core Unit)	12	3
Year 1, Semester 2			
SSB004	Social Inequality in Australia	12	3
	Faculty Core Unit – Student Choice	12	3

	Faculty Core Unit – Student Choice	12	3
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
	Elective Unit	12	3
Year 3, Semester 1			
SSB980	Advanced Sociological Theory[16]	12	3
	Sociology Elective Unit	12	3
	Elective Unit	12	3
	Elective Unit	12	3
Year 3, Semester 2			
SSB981	Qualitative Research Medhods[16]	12	3
	Sociology Elective Unit	12	3
	Sociology Elective Unit	12	3
	Elective Unit	12	3

SOCIOLOGY MAJOR (SOC)

Part-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
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

Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 2			
SSB004	Social Inequality in Australia	12	3
SSB960	Sociological Theory	12	3
	Faculty Core Unit – Student Choice	12	3
	Faculty Core Unit – Student Choice	12	3
Year 2, Semester 1			
SSB000	Australian Society: Introduction to Sociology	12	3
SSB001	Human Development 1	12	3
SSB002	Introduction to Human Rights (Faculty Core Unit)	12	3
SSB003	Introduction to Psychology (Faculty Core Unit)	12	3
Year 2, Semester 2			
SSB971	Political Sociology	12	3
	Sociology Elective	12	3
	Elective	12	3
	Elective	12	3
Year 3, Semester 1			
SSB969	Sociological Theory & Analysis	12	3
SSB970	Economic Sociology	12	3
	Sociology Elective	12	3
	Elective	12	3
Year 3, Semester 2			
SSB981	Qualitative Research Methods		
	Sociology Elective	12	3
	Sociology Elective	12	3
	Elective	12	3
Year 4, Semester 1			
SSB980	Advanced Sociological Theory	12	3
	Sociology Elective	12	3
	Elective	12	3
	Elective	12	3

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		Credit Points	Contact Hrs/Wk
Semester 1			
SSB990	Research Thesis	12	3
SSB991	Advanced Research Methods	12	3
Two units from these Advanced Psychology options:			
SSB992	Counselling Psychology	12	3
SSB993	Cognitive Neuropsychology	12	3
SSB994	Advanced Social & Developmental Psychology	12	3
SSB995	Advanced Organisational Psychology	12	3

Semester 2

SSB996	Research Thesis	36	
SSB997	Research & Professional Development Seminar	12	3

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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
AAX101/1	Dance Composition 1	4	2
AAX104/1	Dance Kinesiology & Alignment	6	2.5
AAX105/1	Dance Styles 1	4	2
AAX111	Repertoire & Practice Period 1[17]	12	
AAX115/1	Dance History	4	1.5
AAX117	Ballet Technique 1[17]	8	9
AAX121	Contemporary Technique 1[17]	8	9
Year 1, Semester 2			
AAX101/2	Dance Composition 1	4	2
AAX104/2	Dance Kinesiology & Alignment	6	2.5
AAX105/2	Dance Styles 1	4	2
AAX112	Repertoire & Practice Period 2[17]	16	
AAX115/2	Dance History	4	1.5
AAX118	Ballet Technique 2[17]	8	7.5
AAX122	Contemporary Technique 2[17]	8	7.5
Year 2, Semester 1			
AAX102/1	Dance Composition 2	4	2
AAX103/1	Music	4	1.5
AAX106/1	Dance Styles 2	4	3
AAX113	Repertoire & Practice Period 3[17]	16	
AAX116/1	Stagecraft	4	2
AAX119	Ballet Technique 3[17]	8	9
AAX123	Contemporary Technique 3[17]	8	7.5
Year 2, Semester 2			
AAX102/2	Dance Composition 2	4	2
AAX103/2	Music 1	4	1.5
AAX106/2	Dance Styles 2	4	3
AAX114	Repertoire & Practice Period 4[17]	16	
AAX116/2	Stagecraft	4	2
AAX120	Ballet Technique 4[17]	8	7.5
AAX124	Contemporary Technique 4[17]	8	7.5

[17] *Designated units. See Student Rules for details.*

FACULTY OF BUILT ENVIRONMENT AND ENGINEERING

Courses

FACULTY OF BUILT ENVIRONMENT AND ENGINEERING

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 andManufacturing 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:

Thesis	A minimum of two-thirds of the degree
Maximum coursework requirement [1]	64 credit points
Minimum coursework requirement	12 credit points
Normal coursework requirement	24 to 36 credit points

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.*

(b) 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 supervising 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.

■ 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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
IFN001	Advanced Information Retrieval Skills	4	1
PSN004	Applied Research Techniques	4	1
PSP401	Urban Design Analysis Studio	12	3
PSP403	Urban Design Conjecture Studio	12	3
PSP421	History of Urban Systems	4	1
PSP424	Urban Design Theory & Criticism	4	1
Plus a selection from the following totalling at least 8 credit points:			
CNP439	Property Management	6	2
PSP011	Conservation Theory	3	1
PSP411	Environmental Psychology	4	2
PSP416	Computer Aided Data Analysis	2	1
PSP442	Law & Legislation in Urban Design	4	1
Year 1, Semester 2			
PSN099	Dissertation	24	
PSP402	Urban Design Context Studio	12	3
PSP405	Urban Design Field Studies	4	10 days
Plus a selection of the following totalling a minimum of 8 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
	Elective Unit/s		

Part-Time Course Structure

Year 1, Semester 1

IFN001	Advanced Information Retrieval Skills	4	1
PSP401	Urban Design Analysis Studio	12	3
PSP421	History of Urban Systems	4	1
PSP424	Urban Design Theory & Criticism	4	1

Year 1, Semester 2

PSP402	Urban Design Context Studio	12	3
PSP405	Urban Design Field Studies	4	10 days

Plus a selection from 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

PSN004	Applied Research Techniques	4	1
PSP403	Urban Design Conjecture Studio	12	3

Plus a selection of the following totalling a minimum of 8 credit points:

CNP439	Property Management	6	2
PSP011	Conservation Theory	3	1
PSP411	Environmental Psychology	4	2
PSP416	Computer Aided Data Analysis	2	1
PSP442	Law & Legislation in Urban Design	4	1

Year 2, Semester 2

PSN099	Dissertation	24

■ 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.

		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CEP131	Engineering Management & Administration	12	3
	Units chosen from major	12	
Year 1, Semester 2			
CEP200	Process Modelling	8	2
	Units chosen from major	16	
Year 2, Semesters 1 and 2			
Select one of the following options:			
Option 1			
CEP999/1/2	Project A[2]	36	9
	Units chosen from major totalling	12	
Option 2			
CEP998/1/2	Project B[2]	20	5
	Units chosen from major totalling	28	

		Year and Semester of Offer	Credit Points	Contact Hrs/Wk
ENVIRONMENTAL ENGINEERING MAJOR (EVN)				
Compulsory units:				
CEP172	Water Quality Engineering	even, 1	8	2
CEP277	Waste Management	even, 2	12	3
CEP290	Environmental Law & Assessment[3]	odd, 2	8	2
Choose remaining units from the following:				
CEP128	Municipal Engineering Planning	even, 1	12	3
CEP174	Public Health Engineering Practice	odd, 1	12	3
CEP276	Advanced Treatment Processes	odd, 2	8	2
CEP310	Urban Transportation Planning	even, 2	8	2
CEP361	Drainage Engineering	odd, 2	8	2
CHP691	Environmental Chemistry	even, 2	8	2
LOCAL GOVERNMENT ENGINEERING MAJOR (LGN)				
Compulsory units:				
CEP107	Construction Management & Economics	odd, 1	8	2
CEP127	Road & Traffic Engineering	odd, 1	12	3
CEP128	Municipal Engineering Planning	even, 1	12	3

[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:

CEP109	Municipal Law & Regulations	even, 2	8	2
CEP174	Public Health Engineering Practice	even, 1	12	3
CEP290	Environmental Law & Assessment[4]	odd, 2	8	2
CEP361	Drainage Engineering	odd, 2	8	2

PUBLIC HEALTH ENGINEERING MAJOR (PHN)

Compulsory units:

CEP172	Water Quality Engineering	even, 1	8	2
CEP174	Public Health Engineering Practice	odd, 1	12	3
CEP276	Advanced Treatment Processes	odd, 2	8	2
CEP277	Waste Management	even, 2	12	3

Choose remaining units from any other major.

TRANSPORTATION ENGINEERING MAJOR (TRN)

Compulsory units:

CEP127	Road & Traffic Engineering	odd, 1	12	3
CEP215	Advanced Traffic Engineering	odd, 2	8	2
CEP218	Transportation Engineering	even, 1	12	3
CEP310	Urban Transportation Planning	even 2	8	2

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 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:

		Credit Points	Contact Hrs/Wk
EEP301	Project	12	1
EEP302	Research Component 1 (Computer Engineering Stream)	12	

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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
EEP101	Algorithms for Control Engineering	12	3
EEP102	Unix & C for Engineers	12	3
EEP124	Data Communications	12	3
Select one unit from the following:			
EEP129	Image Processing & Computer Vision	12	3
EEP137	Advanced Topic A	12	3
Year 1, Semester 2			
EEP104	Real-time Operating Systems	12	3
EEP301	Project	12	1
EEP302	Research Component 1	12	
Select one unit from the following:			
EEP120	Networks & Distributed Computing	12	3
EEP127	Advanced Topic B	12	3

Part-Time Course Structure

Year 1, Semester 1			
EEP101	Algorithms for Control Engineering	12	3
Select one unit from the following:			
EEP102	Unix & C for Engineers	12	3
EEP137	Advanced Topic A	12	3
Year 1, Semester 2			
EEP104	Real-time Operating Systems	12	3
Select one unit from the following:			

EEP120	Networks & Distributed Computing	12	3
EEP127	Advanced Topic B	12	3

Year 2, Semester 1

EEP124	Data Communications	12	3
EEP129	Image Processing & Computer Vision	12	3

Year 2, Semester 2

EEP301	Project	12	1
EEP302	Research Component 1	12	

COMMUNICATION ENGINEERING STREAM

Full-Time Course Structures

Year 1, Semester 1

EEP126	Communications Digital Signal Processing	12	3
EEP135	Advanced Digital Signal Processing	12	3
EEP137	Advanced Topic A	12	3
	Mathematics Elective Unit	12	3

Year 1, Semester 2

EEP127	Advanced Topic B	12	3
EEP128	Detection & Estimation	12	3
EEP301	Project	12	3
EEP303	Research Component 2	12	

Part-Time Course Structure

Year 1, Semester 1

EEP126	Communications Digital Signal Processing	12	3
EEP135	Advanced Digital Signal Processing	12	3

Year 1, Semester 2

EEP127	Advanced Topic B	12	3
EEP128	Detection & Estimation	12	3

Year 2, Semester 1

EEP137	Advanced Topic A	12	3
	Mathematics Elective Unit	12	3

Year 2, Semester 2

EEP301	Project	12	1
EEP303	Research Component 2	12	

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)

Locatiou: 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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
	12 Units (selected from List 1)	48	12
Year 1, Semester 2			
EEP230	Thesis A[5]	12	3
EEP231	Thesis B[5]	12	3
	6 Units (selected from List 1)	24	6
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			
EEP230	Thesis A[5]	12	3
	3 Units (selected from List 1)	12	3
Year 2, Semester 2			
EEP231	Thesis B[5]	12	3
	3 Units (selected from List 1)	12	3

List 1: Units		**Weeks**	**Credit Points**	**Contact Hrs/Wk**
Semester 1				
EEP201	Fundamentals of Power System Earthing	1-5	4	3
EEP202	Thermal Ratings & Heat Transfer	1-5	4	3
EEP204	Power System Load Flow Analysis	1-5	4	3
EEP213	Statistics	1-5	4	3
EEP240	Organisation and Financial Management in the Electricity Supply Industry	1-5	4	3
EEP203	Testing & Condition Monitoring	6-10	4	3
EEP205	Power System Fault Calculations	6-10	4	3
EEP208	Economic Analysis for Power Systems Engineers	6-10	4	3
EEP210	Abnormal System Voltages	6-10	4	3
EEP247	Introduction to Plant Control in Industry & Power Generation	6-10	4	3

[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 Stbility	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.

		Credit Points	Hours of Study
EEP202	Thermal Ratings and Heat Transfer	4	45
EEP208	Economic Analysis for Power System Engineers	4	45
EEP209	Power System Harmonics	4	45
EEP210	Abnormal System Voltages	4	45
EEP211	Basic Power System Protection	4	45
EEP212	Advanced Power System Protection	4	45
EEP213	Statistics	4	45
EEP214	Risk Management in the Electricity Supply Industry	4	45
EEP215	Reliability	4	45
EEP217	Overhead Line Design – Mechanical	4	45
EEP220	Distribution Planning	4	45

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.

■ 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 Bachelors 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		Credit Points	Contact Hrs/Wk
Semester 1			
HRN113	Management for Engineers	12	3
MEN280	Engineering Project Management	12	3
Select two units from the following:			
MEN190/1	Project[6]	12	3
MEN140	Quality & Reliability Engineering	12	3
MEN171	Advanced Manufacturing Technologies	12	3
Semester 2			
FNN113	Managerial Accounting for Engineers	12	3
MEN170	Systems Modelling & Simulation	12	3
Select two units from the following:			
MEN190/2	Project[6]	12	3
MEN240	Maintenance Management & Technology	12	3
MEN270	Manufacturing Resource Planning	12	3

Part-Time Course Structure

Year 1, Semester 1			
HRN113	Management for Engineers	12	3
MEN280	Engineering Project Management	12	3
Year 1, Semester 2			
FNN113	Managerial Accounting for Engineers	12	3
MEN170	Systems Modelling & Simulation	12	3
Year 2, Semester 1			
Select two units from the following:			
MEN140	Quality & Reliability Engineering	12	3
MEN171	Advanced Manufacturing Technologies	12	3
MEN190/1	Project[6]	12	3
Year 2, Semester 2			
Select two units from the following:			
MEN240	Maintenance Management & Technology	12	3
MEN270	Manufacturing Resource Planning	12	3
MEN190/2	Project[6]	12	3

■ Master of Engineering Science (Engineering Management) (ME77) – Singapore

Location: Singapore (Organised by Crossfields Asia Pacific Pty Ltd)

[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)[7]

Location: Gardens Point campus

Course Duration: 2 years full-time (excluding any Masters Qualifying Units)

Total Credit Poiuts: 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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
PSP020	Landscape Studies 1	12	6
PSP021	Landscape Studies 2	12	7
PSP212	User & Character Design Studies	12	6
PSP251	Landscape Construction 1	12	4

[7] *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[8]	12	3
PSN213	Specialisation[8]	12	3

Year 3, Semester 1 (or 2)

PSN212	Research Project 2[8]	12	3
PSN214	Electives[8]	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[8]	12	3
PSN208	Preparatory Specialisation 2[8]	12	3
PSN209	Preparatory Electives 1[8]	12	3
PSN210	Preparatory Electives 2[8]	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

[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[9]	12	3
PSN214	Electives[9]	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[9]	12	3
PSN208	Preparatory Specialisation 2[9]	12	3
PSN209	Preparatory Electives 1[9]	12	3
PSN210	Preparatory Electives 2[9]	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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
CNP426/1	Project Development	6	2
CNP429	Cost Management & Economics	6	2
CNP430/1	Current Issues	6	2
CNP431/1	Project Management	6	2
CNP433/1	Project Management Law	6	2
CNP434	Time Management	6	2
CNP437	Field Trip	6	4 days
	Two electives selected from List A	12	
Year 1, Semester 2			
CNP406	International Project Management	6	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
	Two electives selected from List B	12	
Year 2, Semester 1			
CNN441	Dissertation	48	4
Part-Time Course Structure			
Year 1, Semester 1			
CNP429	Cost Management & Economics	6	2
CNP431/1	Project Management	6	2
CNP434	Time Management	6	2
CNP437	Field Trip	6	4 days
	An elective unit selected from List A	6	2
Year 1, Semester 2			
CNP406	International Project Management	6	2
CNP431/2	Project Management	6	2
	An elective unit selected from List B	6	2
Year 2, Semester 1			
CNP426/1	Project Development	6	2
CNP430/1	Current Issues	6	2
CNP433/1	Project Management Law	6	2
	An elective unit selected from List A	6	

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)[10]

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.

		Credit Points	Contact Hrs/Wk
Module A			
PSP501	Environmental Planning & Assessment	12	3
PSP502	Economic & Social Foundations of Planning	12	3
PSP503	Planning & Research Methods	12	3
PSP504	Urban Systems & Infrastructure	12	3
Module B			
PSP505	Planning in Society	12	3
PSP506	Planning Theory & Ethics	12	3

[10] *Subject to University approval of award title.*

PSP507	Planning Procedures & Law	12	3
PSP508	Planning Practice I	12	3
PSP513	Field Trip[11]	0	1 week

Module C

PSP509	Regional & Metropolitan Policy	12	3
PSP510	Specialisation	12	3
PSN211	Research Project I & Advanced Research Methods	12	3
PSP512	Planning Practice II	12	3
PSP513	Field Trip[11]	0	1 week

Module D

PSN214	Elective	12	3
PSN221	Advanced Specialisation	12	3
PSN212	Research Project II	12	3
PSN223	Special Topics in Planning Methods	12	3

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[11]	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[11]	0	1 week

Module D1

PSN221	Advanced Specialisation	12	3
PSN214	Elective	12	3

Module D2

PSN212	Research Project II	12	3
PSN223	Special Topics in Planning Method	12	3

Notes

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.

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.

[11] *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 Requiremeuts

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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
EEP101	Algorithms for Control Engineering	12	3
EEP102	Unix & C for Engineers	12	3
EEP124	Data Communications	12	3
EEP129	Image Processing & Computer Vision	12	3
Year 1, Semester 2			
EEP103	Computer Hardware & Interfacing	12	3
EEP104	Real-time Operating Systems	12	3
EEP120	Networks & Distributed Computing	12	3
EEP123	Process Control & Robotics	12	3
Part-Time Course Structure			
Year 1, Semester 1			
EEP101	Algorithms for Control Engineering	12	3
EEP102	Unix & C for Engineers	12	3
Year 1, Semester 2			
EEP103	Computer Hardware & Interfacing	12	3
EEP104	Real-time Operating Systems	12	3
Year 2, Semester 1			
EEP124	Data Communications	12	3
EEP129	Image Processing & Computer Vision	12	3
Year 2, Semester 2			
EEP120	Networks & Distributed Computing	12	3
EEP123	Process Control & Robotics	12	3

■ 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	**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1		
12 Units (selected from List 1)	48	12
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		**Weeks**	**Credit Points**	**Contact Hrs/Wk**
Semester 1				
EEP201	Fundamentals of Power System Earthing	1-5	4	3
EEP202	Thermal Ratings & Heat Transfer	1-5	4	3
EEP204	Power System Load Flow Analysis	1-5	4	3
EEP213	Statistics	1-5	4	3
EEP240	Organisation and Financial Management in the Electricity Supply Industry	1-5	4	3
EEP203	Testing & Condition Monitoring	6-10	4	3
EEP205	Power System Fault Calculations	6-10	4	3
EEP208	Economic Analysis for Power Systems Engineers	6-10	4	3
EEP210	Abnormal System Voltages	6-10	4	3
EEP247	Introduction to Plant Control in Industry and Power Generation	6-10	4	3
EEP206	Project Management	11-15	4	3
EEP209	Power System Harmonics	11-15	4	3
EEP218	Introduction to Automated System Control & Supervisory Systems	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:

		Credit Points	Hours of Study
EEP202	Thermal Ratings and Heat Transfer	4	45
EEP208	Economic Analysis for Power System Engineers	4	45
EEP209	Power System Harmonics	4	45
EEP210	Abnormal System Voltages	4	45
EEP211	Basic Power System Protection	4	45
EEP212	Advanced Power System Protection	4	45
EEP213	Statistics	4	45
EEP214	Risk Management in the Electricity Supply Industry	4	45
EEP215	Reliability	4	45
EEP217	Overhead Line Design – Mechanical	4	45
EEP220	Distribution Planning	4	45

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		Credit Points	Contact Hrs/Wk
Semester 1			
ARP613	Advanced Ergonomics 1	6	2
ARP670	Elective A	6	2
ARP672	Industrial Design 1	12	6

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		**Credit Points**	**Contact Hrs/Wk**
Semester 1			
ARP502	Advanced Interior Design 1	18	6
ARP508	Professional Studies 1	18	6
ARP606	Elective 1	6	2
ARP608	Theory & Criticism	6	2

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:

(i) hold a degree or diploma from a recognised tertiary institution, or

(ii) 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 Autralian Institute of Landscape Architects.

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
PSP020	Landscape Studies 1	12	6
PSP021	Landscape Studies 2	12	7

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 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
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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CEP128	Municipal Engineering Planning (offered even years)[12]	12	3
CEP131	Engineering Management & Administration	12	3
Year 1, Semester 2			
CEP200	Process Modelling	8	2
CEP361	Drainage Engineering (offered odd years)[12]	8	2
	Unit chosen from major	8	
Year 2, Semester 1			
	Units chosen from major	24	
Year 2, Semester 2			
	Units chosen from major	24	

		Year and Semester of Offer	Credit Points	Contact Hrs/Wk
ENVIRONMENTAL ENGINEERING MAJOR (EVN)				
CEP172	Water Quality Engineering	even, 1	8	2
CEP174	Public Health Engineering Practice	odd, 1	12	3
CEP276	Advanced Treatment Processes	odd, 2	8	2
CEP277	Waste Management	even, 2	12	3
CEP290	Environmental Law & Assessment[13]	odd, 2	8	2
CHP691	Environmental Chemistry	even, 2	8	2

[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.*

LOCAL GOVERNMENT ENGINEERING MAJOR (LGN)

CEP107	Construction Management & Economics	odd, 1	8	2
CEP109	Municipal Law & Regulations	even, 2	8	2
CEP127	Road & Traffic Engineering	odd, 1	12	3
CEP174	Public Health Engineering Practice	odd, 1	12	3

Plus units totalling at least 16 credit points from any other major.[14]

PUBLIC HEALTH ENGINEERING MAJOR (PHN)

CEP172	Water Quality Engineering	even, 1	8	2
CEP174	Public Health Engineering Practice	odd, 1	12	3
CEP276	Advanced Treatment Processes	odd, 2	8	2
CEP277	Waste Management	even, 2	12	3

Plus units totalling at least 16 credit points from any other major.[14]

TRANSPORTATION ENGINEERING MAJOR (TRN)

CEP127	Road & Traffic Engineering	odd, 1	12	3
CEP215	Advanced Traffic Engineering	odd, 2	8	2
CEP218	Transportation Engineering	even, 1	12	3
CEP310	Urban Transportation Planning	even, 2	8	2

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 IFN001 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		**Credit Points**	**Contact Hrs/Wk**
Semester 1			
CNP426/1	Project Development	6	2
CNP429	Cost Management & Economics	6	2
CNP430/1	Current Issues	6	2
CNP431/1	Project Management	6	2
CNP433/1	Project Management Law	6	2
CNP434	Time Management	6	2
CNP437	Field Trip	6	4 days
	Two electives selected from List A	12	
Semester 2			
CNP406	International Project Management	6	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
	Two electives selected from List B	12	
Part-Time Course Structure			
Year 1, Semester 1			
CNP429	Cost Management & Economics	6	2
CNP431/1	Project Management	6	2
CNP434	Time Management	6	2
CNP437	Field Trip	6	4 days
	An elective unit selected from List A	6	
Year 1, Semester 2			
CNP406	International Project Management	6	2
CNP431/2	Project Management	6	2
	An elective unit selected from List B	6	2
Year 2, Semester 1			
CNP426/1	Project Development	6	2
CNP430/1	Current Issues	6	2
CNP433/1	Project Management Law	6	2
	An elective unit selected from List A	6	2
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	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

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		Credit Points	Contact Hrs/Wk
Semester 1			
PSP311	Professional Practice Management	12	9
PSP312	Survey Computing & Processing	8	6
PSP313	Survey Project Management	8	6
PSP314	Boundary Definition Surveys 1	12	9
PSP315	Property Development Surveys	8	6
Semester 2			
PSP321	Spatial Information Systems	8	6
PSP322	Engineering Surveying	12	9
PSP323	Project Site Surveys	8	6
PSP324	Boundary Definition Surveys 2	12	9
PSP325	Property Management Surveys	8	6

■ 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 concemed 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.

		Credit Points	Contact Hrs/Wk
Module A			
PSP501	Environmental Planning & Assessment	12	3
PSP502	Economic & Social Foundations of Planning	12	3
PSP503	Planning & Research Methods	12	3
PSP504	Urban Systems & Infrastructure	12	3
Module B			
PSP505	Planning in Society	12	3
PSP506	Planning Theory & Ethics	12	3
PSP507	Planning Procedures & Law	12	3
PSP508	Planning Practice I	12	3
PSP513	Field Trip[15]	0	1 week
Module C			
PSP509	Regional & Metropolitan Policy	12	3
PSP510	Specialisation	12	3
PSN211	Research Project I & Advanced Research Methods	12	3
PSP512	Planning Practice II	12	3
PSP513	Field Trip[15]	0	1 week

[15] *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

		Credit Points	Contact Hrs/Wk
Semester 1			
IFN001	Advanced Information Retrieval Skills	4	1
PSN004	Applied Research Techniques	4	1
PSP401	Urban Design Analysis Studio	12	3
PSP403	Urban Design Conjecture Studio	12	3
PSP421	History of Urban Systems	4	1
PSP424	Urban Design Theory & Criticism	4	1
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			
PSP402	Urban Design Context Studio	12	3
PSP405	Urban Design Field Studies	4	10 days
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
	Elective Unit/s		

Part-Time Course Structure

Year 1, Semester 1			
IFN001	Advanced Information Retrieval Skills	4	1
PSP401	Urban Design Analysis Studio	12	3
PSP421	History of Urban Systems	4	1
PSP424	Urban Design Theory & Criticism	4	1
Year 1, Semester 2			
PSP402	Urban Design Context Studio	12	3
PSP405	Urban Design Field Studies	4	10 days
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			
PSP403	Urban Design Conjecture Studio	12	3
PSN004	Applied Research Techniques	4	1
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 Unit/s		

■ 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	Credit Points	Contact Hrs/Wk
Semester 1		
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

List 1: Units		Weeks	Credit Points	Contact Hrs/Wk
Semester 1				
EEP201	Fundamentals of Power System Earthing	1-5	4	3
EEP202	Thermal Ratings & Heat Transfer	1-5	4	3
EEP204	Power System Load Flow Analysis	1-5	4	3
EEP213	Statistics	1-5	4	3
EEP240	Organisation and Financial Management in the Electricity Supply Industry	1-5	4	3
EEP203	Testing & Condition Monitoring	6-10	4	3
EEP205	Power System Fault Calculations	6-10	4	3
EEP208	Economic Analysis for Power Systems Engineers	6-10	4	3
EEP210	Abnormal System Voltages	6-10	4	3
EEP247	Introduction to Plant Control in Industry and Power Generation	6-10	4	3
EEP206	Project Management	11-15	4	3
EEP209	Power System Harmonics	11-15	4	3
EEP218	Introduction to Automated System Control & 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:

		Credit Points	Hours of Study
EEP202	Thermal Ratings & Heat Transfer	4	45
EEP208	Economic Analysis for Power System Engineers	4	45
EEP209	Power System Harmonics	4	45
EEP210	Abnormal System Voltages	4	45
EEP211	Basic Power System Protection	4	45
EEP212	Advanced Power System Protection	4	45
EEP213	Statistics	4	45
EEP214	Risk Management in the Electricity Supply Industry	4	45
EEP215	Reliability	4	45
EEP217	Overhead Line Design – Mechanical	4	45
EEP220	Distribution Planning	4	45

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		Credit Points	Contact Hrs/Wk
Select four units from the following:			
MEN140	Quality & Reliability Engineering	12	3
MEN170	Systems Modelling & Simulation	12	3
MEN171	Advanced Manufacturing Technologies	12	3
MEN240	Maintenance Management & Technology	12	3
MEN270	Manufacturing Resource Planning	12	3
MEN280	Engineering Project Management	12	3
MEP274	Quality Systems Implementation and Maintenance	12	3

■ 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:

Semester 1

CNB601	Formwork Design & Construction	4	2
CNP426/1	Project Development	6	2
CNP429	Cost Management & Economics	6	2
CNP431/1	Project Management	6	2
CNP433/1	Project Management Law	6	2
CNP434	Time Management	6	2

Semester 2

CNP406	International Project Management	6	2
CNP426/2	Project Development	6	2
CNP431/2	Project Management	6	2
CNP433/2	Project Management Law	6	2
CNP667	Applied Computing	6	2

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:

Semester 1

CNP426/1	Project Development	6	2
CNP429	Cost Management & Economics	6	2
CNP430/1	Current Issues	6	3
CNP431/1	Project Management	6	2
CNP433/1	Project Management Law	6	2
CNP434	Time Management	6	2
CNP437	Field Trip	6	4 days

Semester 2

CNP406	International Project Management	6	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

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:

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
CNP434	Time Management	6	2
CNP437	Field Trip	6	4 days
CNP439	Property Management	6	2

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
CNP432	Real Estate Investment Analysis	6	2

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

CNB568	Real Estate Practice	5	2.5
CNP402	Principles of Valuation	6	2
CNP403	Property Maintenance & Asset Management	6	2
CNP426/1	Project Development	6	2
CNP430/1	Current Issues	6	2
CNP431/1	Project Management	6	2
CNP439	Property Management	6	2

Semester 2

CNB471	Property Practice Law	8	2.5
CNB472	Property Taxation Issues	8	2
CNB564	Valuation 7	8	3
CNB626	Land Development Studies	4	2
CNP422	Specialist Valuation	6	2
CNP426/2	Project Development	6	2
CNP430/2	Current Issues	6	2
CNP431/2	Project Management	6	2
CNP438	Real Estate Investment Analysis	6	2

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

CNB601	Formwork Design & Construction	4	2
CNP402	Principles of Valuation	6	2
CNP426/1	Project Development	6	2
CNP429	Cost Management & Economics	6	2
CNP430/1	Current Issues	6	2
CNP431/1	Project Management	6	2
CNP433/1	Project Management Law	6	2
CNP434	Time Management	6	2
CNP437	Field Trip	6	4 days
CNP439	Property Management	6	2

Semester 2

CNB471	Property Practice Law	8	2.5
CNB472	Property Taxation Issues	8	2
CNB564	Valuation 7	8	3
CNB626	Land Development Studies	4	2

CNP406	International Project Management	6	2
CNP426/2	Project Development	6	2
CNP430/2	Current Issues	6	3
CNP431	Project Management	6	2
CNP433/2	Project Management Law	6	2
CNP438	Real Estate Investment Analysis	6	2

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

Easch 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.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CNB119	Construction 1	12	6
CNB113	Building Technology 1	8	4
CNB121	Professional Studies A	8	3
COB165	Professional Writing/Learning at University	8	2.5
ISB170	Introduction to Computing	6	2
MAB299	Mathematics for Technologists	6	3
Year 1, Semester 2			
CNB112	Construction 2	12	5
CNB114	Building Technology 2	8	4
CNB116	Measurement 1	6	3
CNB118	Building Services 1	6	2
CNB124	Professional Studies 1	8	4
PSB910	Construction Surveying	8	4
Year 2, Semester 1			
CNB211	Construction 3	12	4
CNB213	Building Technology 3	6	4
CNB215	Measurement 2	6	3
CNB217	Building Services 2	6	3
CNB219	Economics of the Construction Industry	6	2
CNB221	Building Legislation	6	4
CNB223	Applied Computing 1	6	2
Year 2, Semester 2			
CNB212	Construction 4	9	5
CNB216	Measurement 3	6	3
CNB218	Building Services 3	6	3
CNB220	Construction Management 1	6	2
CNB222	Estimating 1	6	2
CNB224	Professional Studies 2	9	3
CNB226	Torts & Contract Law	6	3
Year 3, Semester 1			
CNB311	Construction 5	9	5
CNB313	Time Management 1	9	4
CNB315	Construction Business Management	6	3
CNB317	Construction Management 2	6	3
CNB323	Estimating 2	6	2
CNB325	Building Economics	6	2
CNB329	Building Contracts/Arbitration Law	6	3
Year 3, Semester 2			
CNB316	Valuations & Investment Theory	6	3
CNB318	Commercial Law	6	2
CNB322	Construction Management Case Study	6	3
CNB326	Time Management 2	8	4
CNB328	Construction Management 3	8	3
CNB330	Applied Computing 2	6	3
CNB334	Professional Studies 3	8	3
Year 4, Semester 1			
CNB003	Professional Practice 1A	9	3
CNB411	Development Process 1	9	3
CNB417	Research Project 1	12	4
CNB419	Applied Computing 3	9	3
CNB431	Elective 1	9	3
Year 4, Semester 2			
CNB004	Professional Practice 2A	9	3
CNB412	Development Process 2	6	2
CNB416	Construction Management 4	12	4
CNB418	Research Project 2	12	4
CNB432	Elective 2	9	3

Part-Time Course Structure

Year 1, Semester 1

CNB119	Construction 1	12	6
CNB113	Building Technology 1	8	4
C0B165	Professional Writing/Learning at University	8	2.5

Year 1, Semester 2

CNB112	Construction 2	12	5
CNB114	Building Technology 2	8	4
MAB299	Mathematics for Technologists	6	3

Year 2, Semester 1

CNB211	Construction 3	12	4
CNB213	Building Technology 3	6	4
CNB221	Building Legislation	6	4

Year 2, Semester 2

CNB116	Measurement 1	6	3
CNB118	Building Services 1	6	2
CNB212	Construction 4	9	5
ISB170	Introduction to Computing	6	2

Year 3, Semester 1

CNB121	Professional Studies A	8	3
CNB215	Measurement 2	6	3
CNB223	Applied Computing 1	6	2
CNB311	Construction 5	9	5

Year 3, Semester 2

CNB216	Measurement 3	6	3
CNB218	Building Services 3	6	3
CNB222	Estimating 1	6	2
CNB226	Torts & Contract Law	6	3

Year 4, Semester 1

CNB217	Building Services 2	6	3
CNB219	Economics of the Construction Industry	6	2
CNB323	Estimating 2	6	2
CNB329	Building Contracts/Arbitration Law	6	3

Year 4, Semester 2

CNB220	Construction Management 1	6	2
CNB316	Valuations & Investment Theory	6	3
CNB322	Construction Management Case Study	6	3
PSB910	Construction Surveying	8	4

Year 5, Semester 1

CNB313	Time Management 1	9	4
CNB315	Construction Business Management	6	3
CNB317	Construction Management 2	6	3
CNB325	Building Economics	6	2

Year 5, Semester 2

CNB318	Commercial Law	6	2
CNB326	Time Management 2	8	4
CNB328	Construction Management 3	8	3
CNB330	Applied Computing 2	6	3

Year 6, Semester 1

CNB411	Development Process 1	9	3
CNB417	Research Project 1	12	4
CNB419	Applied Computing 3	9	3
CNB431	Elective 1	9	3

Year 6, Semester 2

CNB412	Development Process 2	6	2
CNB416	Construction Management 4	12	4

CNB418	Research Project 2	12	4
CNB432	Elective 2	9	3

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.

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:

CNB021	Professional Practice 1	12
CNB022	Professional Practice 2	12
CNB023	Professional Practice 3	9
CNB024	Professional Practice 4	9

■ 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		**Credit Points**	**Contact Hrs/Wk**
Year 3, Semester 1			
CNB341	Building & Civil Engineering Construction	4	2
CNB444	Mechanical & Electrical Estimating OR Elective	4	2

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

CNB540	Estimating 2	5	2.5
CNB545	PM3 – Construction Planning Techniques 1	7	3.5
CNB501	Building Management3	4	2

Year 5, Semester 2

CNB401	Building Economics & Cost Planning	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 6, Semester 1

CNB623	PM6 – Building Development Techniques 1	4	2
CNB642	Applied Computer Techniques	6	3
CNB656/1	Building Research	8	4
CNB603	Building Management 5	4	2

Year 6, Semester 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.

■ 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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
CNB342	Law 1	8	2
CNB161	Building Studies	8	4.5

COB004	Professional Writing & Learning at University	8	2.5
ISB180	Computer Applications	8	2
CNB367	Accounting 1	8	2
CNB180	Macro Economics	8	2

Year 1, Semester 2

CNB263	Principles of Valuations	8	3
CNB568	Real Estate Practice	8	2
CNB600	Real Estate Agency	8	2
CNB162	Building Studies 2	8	4
SSB980	Managerial Behaviour	8	2
CNB186	Micro Economics	8	2

Year 2, Semester 1

CNB363	Investment Valuation	12	4
CNB567	Real Estate Market Analysis	8	2
CNB643	Law 2	8	2
CNB166	Urban Economics	8	2
CNB366	Accounting & Finance	12	2

Year 2, Semester 2

CNB464	Rural Valuation	8	4
CNB665	Property Management & Asset Management 1	8	4
CNB261	Building Studies 3	8	4
CNB467	Land Use Planning	8	2
CNB565	Land Management & Administration	8	2
CNB262	Construction Economics	8	2

Year 3, Semester 1

CNB563	Statutory Valuation	8	2
CNB666	Property Management & Asset Management 2	8	2
CNB663	Property Development 1	8	2
CNB465	Real Estate Investment Analysis 1	8	3
CNB661	Research Project 1	8	2
	Elective	8	2

Year 3, Semester 2

CNB564	Specialist Valuations	8	2
CNB664	Property Development 2	12	2
CNB466	Real Estate Investment Analysis 2	8	2
CNB662	Research Project 2	12	2
	Elective	8	2

Part-Time Course Structure

Year 1, Semester 1

CNB161	Building Studies 1	8	4.5
COB004	Professional Writing & Learning at University	8	2.5
CNB180	Macro Economics	8	2

Year 1, Semester 2

CNB263	Principles of Valuation	8	3
CNB162	Building Studies 2	8	4
CNB188	Micro Economics	8	2

Year 2, Semester 1

CNB342	Law 1	8	2
ISB180	Computer Applications	8	2
CNB367	Accounting 1	8	2

Year 2, Semester 2

CNB568	Real Estate Practice	8	2
CNB600	Real Estate Agency	8	2
SSB908	Managerial Behaviour	8	2

Year 3, Semester 1

CNB363	Investment Valuation	12	4
CNB567	Real Estate Market Analysis	8	2
CNB643	Law 2	8	2

Year 3, Semester 2			
CNB464	Rural Valuation	8	4
CNB665	Property Management & Asset Management 1	8	2
CNB261	Building Studies 3	8	4
Year 4, Semester 1			
CNB166	Urban Economics	8	2
CNB368	Accounting & Finance	12	2
Year 4, Semester 2			
CNB467	Land Use Planning	8	2
CNB565	Land Management & Administration	8	2
CNB262	Construction Economics	8	2
Year 5, Semester 1			
CNB563	Statutory Valuation	8	2
CNB666	Property Management & Asset Management 2	8	2
CNB663	Property Development	8	2
Year 5, Semester 2			
CNB564	Special Valuation	8	2
CNB664	Property Development 2	12	2
Year 6, Semester 1			
CNB465	Real Estate Investment Analysis 1	8	3
CNB661	Research Project 1	8	2
	Elective	8	2
Year 6, Semester 2			
CNB662	Research Project 2	8	2
CNB466	Real Estate Investment Analysis 2	12	2
	Elective	8	2

■ 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.

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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CNB113	Building Technology 1	8	4
CNB119	Construction 1	12	6
CNB121	Professional Studies A	8	3
COB165	Professional Writing/Learning at Univeristy	8	2.5
ISB170	Introduction to Comnputing	6	2
MAB299	Mathematics for Technologists	6	3
Year 1, Semester 2			
CNB112	Construction 2	12	5
CNB114	Building Technology 2	8	4
CNB116	Measurement 1	6	3
CNB118	Building Services 1	6	2
CNB124	Professional Studies 1	8	3
PSB910	Construction Management	8	4
Year 2, Semester 1			
CNB211	Construction 3	12	4
CNB213	Building Technology 3	6	4
CNB215	Measurement 2	6	3
CNB217	Building Services 2	6	3
CNB219	Economics of the Construction Industry	6	2
CNB221	Building Legislation	6	4
CNB223	Applied Computing 1	6	2
Year 2, Semester 2			
CNB212	Construction 4	9	5
CNB216	Measurement 3	6	3
CNB218	Building Services 3	6	3
CNB220	Construction Management 1	6	2
CNB222	Estimating 1	6	2
CNB224	Professional Studies 2	9	3
CNB226	Torts & Contract Law	6	3
Year 3, Semester 1			
CNB311	Construction 5	9	5
CNB313	Time Management 1	9	4
CNB315	Construction Business Management	6	3
CNB319	Professional Management	6	3
CNB323	Estimating 2	6	2
CNB327	Building Economics 1	6	2
CNB329	Building Contracts/Arbitration Law	6	3
Year 3, Semester 2			
CNB312	Measurement 4	9	4
CNB314	Contract Administration 1	6	3
CNB316	Valuations & Investment Theory	6	3
CNB318	Commercial Law	6	2
CNB320	Building Economics 2	6	2
CNB324	Professional Studies 3A	9	3
CNB332	Applied Computing 2A	6	3
Year 4, Semester 1			
CNB001	Professional Practice 1A	9	3
CNB411	Development Process 1	9	3
CNB415	Contract Administration 2	9	3
CNB417	Research Project 1	12	4
CNB421	Elective 1	9	3

Year 4, Semester 2

CNB002	Professional Practice 2A	9	3
CNB412	Development Process 2	6	2
CNB414	Civil Engineering Quantities	12	4
CNB418	Research Project 2	12	4
CNB422	Elective 2	9	3

Part-Time Course Structure

Year 1, Semester 1

CNB119	Construction 1	12	6
CNB113	Building Technology 1	8	4
COB165	Professional Writing/Learning at University	8	2.5

Year 1, Semester 2

CNB112	Construction 2	12	5
CNB114	Building Technology 2	8	4
MAB299	Mathematics for Technologists	6	3

Year 2, Semester 1

CNB211	Construction 3	12	4
CNB213	Building Technology 3	6	4
CNB221	Building Legislation	6	4

Year 2, Semester 2

CNB116	Measurement 1	6	3
CNB118	Building Services 1	6	2
CNB212	Construction 4	9	5
ISB170	Introduction to Computing	6	2

Year 3, Semester 1

CNB121	Professional Studies A	8	3
CNB215	Measurement 2	6	3
CNB223	Applied Computing 1	6	2
CNB311	Construction 5	9	5

Year 3, Semester 2

CNB216	Measurement 3	6	3
CNB218	Building Services 3	6	3
CNB222	Estimating 1	6	2
CNB226	Torts & Contract Law	6	3

Year 4, Semester 1

CNB217	Building Services 2	6	3
CNB219	Economics of the Construction Industry	6	2
CNB319	Professional Management	6	3
CNB323	Estimating 2	6	2
CNB329	Building Contracts/Arbitration Law	6	3

Year 4, Semester 2

CNB220	Construction Management 1	6	2
CNB312	Measurement 4	9	4
CNB316	Valuations & Investment Theory	6	3
PSB910	Construction Surveying	8	4

Year 5, Semester 1

CNB313	Time Management 1	9	4
CNB315	Construction Business Management	6	3
CNB327	Building Economics 1	6	2
CNB421	Elective 1	9	3

Year 5, Semester 2

CNB314	Contract Administration 1	6	3
CNB318	Commercial Law	6	2
CNB320	Building Economics 2	6	3
CNB332	Applied Computing 2A	6	3

Year 6, Semester 1

CNB411	Development Process 1	9	3
CNB415	Contract Administration 2	9	3
CNB417	Research Project 1	12	4

Year 6, Semester 2

CNB412	Development Process 2	6	2
CNB414	Civil Engineering Quantities	12	4
CNB418	Research Project 2	12	4
CNB422	Elective 2	9	3

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:

CNB031	Professional Practice 1	12
CNB032	Professional Practice 2	12
CNB033	Professional Practice 3	9
CNB034	Professional Practice 4	9

■ 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		Credit Points	Contact Hrs/Wk
Year 3, Semester 1			
CNB341	Building & Civil Engineering Construction	4	2
CNB444	Mechanical & Electrical Estimating		
	OR		
	Elective unit	4	2
CNB451	Computer Software Applications 1	4	2
CNB461	Measurement of Construction 5	3	1.5
CNB540	Estimating 2	5	2.5
CNB545	PM3 – Construction Planning Techniques 1	7	3.5
Year 3, Semester 2			
CNB301	PM1 – Advanced Construction Methods	4	2
CNB462	Measurement of Construction 6	3	1.5
CNB502	Building Management 4	4	2
CNB520	Specifications	3	1.5
CNB524	Measurement of Construction 7	4	2
CNB526	Post Contract Services 1	5	2.5
CNB552	Office Management	2	1
Year 4, Semester 1			
CNB603	Building Management 5	4	2
CEB701	Civil Engineering Quantities 1	4	2
CNB623	PM6 – Building Development Techniques 1	4	2
CNB647	Cost Planning & Cost Control 1	4	2
CNB653	Post Contract Service 2	5	2.5
CNB656/1	Building Research	8	4
Year 4, Semester 2			
CEB901	Civil Engineering Quantities 2	4	2
CNB452	Computer Software Applications 2	4	2
CNB624	PM7 Building Development Techniques 2	4	2
CNB648	Cost Planning & Cost Control 2	4	2
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
CNB442/1	Valuation & Dilapidations	4	2
PSB904	Surveying & Measuring	4	2
Year 3, Semester 2			
CNB010	Measurement of Construction 4	4	2
CNB014	Building Services 2 – Electrical	4	2
CNB343	Economics of the Construction Industry OR Elective	4	2
CNB347	Hygiene & Sanitation	4	2
CNB442/2	Valuation & Dilapidations 2	1	
CNB520	Specifications	3	1.5
Year 4, Semester 1			
CNB701	Civil Engineering Quantities 1	4	2
CNB403	Building Management 1	4	2
CNB440/1	Law 3 – Building Contracts	3	1

CNB443	Building Services 3	5	2.5
CNB451	Computer Software Applications 1	4	2
CNB461	Measurement of Construction 5	3	1.5

Year 4, Semester 2

CEB901	Civil Engineering Quantities 2	4	2
CNB301	PM1 – Advanced Construction Methods	4	2
CNB404	Building Management 2	4	2
CNB440/2	Law 3 – Building Contracts	3	1
CNB446	Estimating 1	5	2.5
CNB462	Measurement of Construction 6	3	1.5

Year 5, Semester 1

CNB444	Mechanical & Electrical Estimating OR Elective	4	2
CNB501	Building Management 3	4	2
CNB527	PM2 – Quantitative Techniques	3	1.5
CNB540	Estimating 2	5	2.5
CNB545	PM3 – Construction Planuiug Techniques 1	7	3.5

Year 5, Semester 2

CNB502	Building Management 4	4	2
CNB524	Measurement of Construction 7	4	2
CNB526	Post Contract Services 1	5	2.5
CNB543	Law 4 – Torts & Arbitration	3	1.5
CNB552	Office Mauagement	3	1.5
CNB643	Law 5 – Commercial Law OR Elective	3	1.5

Year 6, Semester 1

CNB603	Building Management 5	4	2
CNB623	PM6 – Building Development Techniques 1	4	2
CNB647	Cost Planning & Cost Control 1	4	2
CNB653	Post Contract Services 2	5	2.5
CNB656/1	Building Research	8	4

Year 6, Semester 2

CNB452	Computer Software Applications 2	4	2
CNB624	PM7 – Building Development Techniques 2	4	2
CNB648	Cost Planning & Cost Control 2	4	2
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.

■ 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.

Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
ARB001	Architectural Design 1	12	8
ARB011	Contextual Studies 1	6	3
ARB021	Technology & Science 1	8	3
COB163	Professional Writing	6	1.5
Year 1, Semester 2			
ARB002	Architectural Design 2	12	8
ARB012	Contextual Studies 2	8	3
ARB022	Technology & Science 2	12	5
Year 2, Semester 1			
ARB003	Architectural Design 3	12	6
ARB013	Contextual Studies 3	8	4
ARB023	Technology & Science 3	12	4
Year 2, Semester 2			
ARB004	Architectural Design 4	12	6
ARB014	Contextual Studies 4	8	4
ARB024	Technology & Science 4	12	4
Year 3, Semester 1			
ARB005	Architectural Design 5	12	6
ARB015	Contextual Studies 5	8	2
ARB025	Technology & Science 5	12	6
Year 3, Semester 2			
ARB006	Architectural Design 6	12	6
ARB016	Contextual Studies 6	8	3
ARB026	Technology & Science 6	12	5
ARB795	Approved Employment A	36	
Year 4, Semester 1			
ARB007/1	Architectural Design 7	12	6
ARB017	Contextual Studies 7	6	2
ARB031/1	Professional Studies 1	8	3
ARB045	Elective A	6	2
Year 4, Semester 2			
ARB007/2	Architectural Design 7	12	6
ARB027	Technology & Science 7	6	2
ARB031/2	Professional Studies 1	8	3
ARB046	Elective B	6	2
Year 5, Semester 1			
ARB008/1	Architectural Design 8	12	6
ARB032/1	Professional Studies 2	8	3
ARB047	Elective C	6	2
ARB051	Research Methods	6	2

Year 5, Semester 2			
ARB008/2	Architectural Design 8	12	6
ARB018	Contextual Studies 8	6	2
ARB032/2	Professional Studies 2	8	3
ARB052	Architectural Research 1	6	2
Year 6, Semester 1			
ARB033/1	Professional Studies 3	8	2
ARB053	Architectural Research 2	24	6
Year 6, Semester 2			
ARB033/2	Professional Studies 3	8	2
ARB054	Architectural Project	24	6
ARB796	Approved Employment B	60	

■ 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		**Credit Points**	**Contact Hrs/Wk**
Year 4, Semester 1			
ARB491/1	History of Architecture & Art 3	2	1
ARB493/1	Design 7	10	5
ARB495/1	Professional Studies 1	8	4
ARB497/1	Advanced Technology	4	2
Year 4, Semester 2			
ARB491/2	History of Architecture & Art 3	2	1
ARB493/2	Design 7	10	5
ARB495/2	Professional Studies 1	8	4
ARB497/2	Advanced Technology	4	2

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)

With majors in: Architectural Studies, Industrial Design, Interior Design, Landscape Architecture, and Urban and Regional Planning.

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		Credit Points	Contact Hrs/Wk
ARCHITECTURAL STUDIES MAJOR			
Year 1, Semester 1			
ARB001	Architectural Design 1	12	8
ARB011	Contextual Studies 1	6	3
ARB021	Technology & Science 1	8	3
ARB061	Architectural Applications 1	12	4
COB163	Professional Writing	6	1.5
MAB181	Applied Mathematics for Designers 1	6	3
Year 1, Semester 2			
ARB002	Architectural Design 2	12	8
ARB012	Contextual Studies 2	8	3
ARB022	Technology & Science 2	12	5
ARB062	Architectural Applications 2	8	4
ARB071	Environmental Studies	6	2
Year 2, Semester 1			
ARB003	Architectural Design 3	12	6
ARB013	Contextual Studies 3	8	4
ARB023	Technology & Science 3	12	4
ARB041	Elective 1	6	2
ARB063	Architectural Applications 3	12	4
Year 2, Semester 2			
ARB004	Architectural Design 4	12	6
ARB014	Contextual Studies 4	8	4
ARB024	Technology & Science 4	12	4
ARB042	Elective 2	6	2
ARB064	Architectural Applications 4	8	4
Year 3, Semester 1			
ARB005	Architectural Design 5	12	6
ARB015	Contextual Studies 5	8	3
ARB025	Technology & Science 5	12	6
ARB043	Elective 3	6	2
ARB065	Architectural Applications 5	12	4
Year 3, Semester 2			
ARB006	Architectural Design 6	12	6
ARB016	Contextual Studies 6	8	2
ARB026	Technology & Science 6	12	5
ARB044	Elective 4	6	2
ARB066	Architectural Applications 6	8	4

INDUSTRIAL DESIGN MAJOR

Year 1, Semester 1

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[17]	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[17]	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[17]	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[17]	6	2
ARB360	Interior Design 1	18	8
ARB361	Interior Technology 1	12	6

[17] *Electives must be approved by the relevant Major Coordinator.*

ARB362	Furniture & Fittings 1	6	2
ARB291	The Human Environment 3	6	2
Year 2, Semester 2			
ARB042	Elective 2[18]	6	2
ARB460	Interior Design 2	18	8
ARB461	Interior Technology 2	12	6
ARB462	Furniture & Fittings 2	6	2
ARB292	The Human Environment 4	6	2
Year 3, Semester 1			
ARB043	Elective 3[18]	6	2
ARB560	Interior Design 3	18	7
ARB561	Interior Technology 3	12	6
ARB562	Furniture & Fittings 3	6	2
ARB663	Research Methods	6	2
Year 3, Semester 2			
ARB044	Elective 4[18]	6	2
ARB646	Law of the Built Environment	6	2
ARB660	Interior Design 4	18	7
ARB661	Interior Tezchnology 4	12	6
ARB662	Furniture & Fittings 4	6	2

LANDSCAPE ARCHITECTURE MAJOR

Year 1, Semester 1			
MAB195	Quantitative Methods 1	6	3
PHB144	Applied Science for Designers 1	6	3
PSB010	Introductory Design 1	12	6
PSB016	History of the Built Environment 1	6	3
PSB050	The Human Environment 1	4	2
PSB070	Map & Air Photo Interpretation	2	1
Year 1, Semester 2			
CHB292	Applied Science for Designers 2	4	2
MAB196	Quantitative Methods 2	6	3
PSB011	Introductory Design 2	20	10
PSB017	History of the Built Environment 2	8	3
PSB051	The Human Environment 2	6	2
PSB054	Environmental Science	4	2
PSB056	Applied Land Science for Designers	4	1
Year 2, Semester 1			
PSB012	Planning & Landscape Design 1	21	9
PSB030	Introduction to the Professions	3	1
PSB040	Graphic Communication	6	3
PSB052	The Human Environment 3	6	3
PSB057	Landscape Ecology 1	8	4
PSB071	Site Measurement	4	1
Year 2, Semester 2			
PSB013	Planning & Landscape Design 2	20	6
PSB053	The Human Environment 4	4	2
PSB058	Landscape Ecology 2	8	3
PSB059	Population & Urban Studies	6	2
PSB060	Introduction to Economics	2	1
PSB072	Design Science	4	2
PSB073	Computer Techniques	4	2
Year 3, Semester 1			
PSB014	Planning & Landscape Design 3	20	6
PSB018	Land Use Generation	4	2
PSB041	Report Preparation	2	1

[18] *Electives must be approved by the relevant Major Coordinator.*

PSB074	Land Development	8	3
PSB244	Landscape Graphics	6	2
PSB275	Landscape Construction 1	6	3

Year 3, Semester 2

ARB646	Law of the Built Environment	4	2
PSB015	Planning & Landscape Design 4	20	6
PSB019	Planting Design	3	1
PSB020	Land Use Policies	4	2
PSB021	Conservation Theory	2	1
PSB032	Issues & Ethics	2	1
PSB061	Impacts & Assessment	5	2
PSB276	Landscape Construction 2	6	3
PSB280	Elective Unit (Landscape Architecture)[19]	4	2

URBAN AND REGIONAL PLANNING MAJOR

Year 1, Semester 1

BNB001	Learning at University	2	1.5
COB163	Professional Writing	6	1.5
MAB195	Quantitative Methods 1	6	3
PHB144	Applied Science for Designers 1	6	3
PSB010	Introductory Design 1	12	6
PSB016	History of the Built Environment 1	6	3
PSB050	The Human Environment 1	4	2
PSB070	Map & Air Photo Interpretation	2	1

Year 1, Semester 2

CHB292	Applied Science for Designers 2	4	2
MAB196	Quantitative Methods 2	6	3
PSB011	Introductory Design 2	20	10
PSB017	History of the Built Environment 2	8	3
PSB051	The Human Environment 2	6	2
PSB054	Environmental Science	4	2
PSB056	Applied Land Science for Designers	4	1

Year 2, Semester 1

PSB012	Planning & Landscape Design 1	21	9
PSB030	Introduction to the Professions	3	1
PSB040	Graphic Communication	6	3
PSB052	The Human Environment 3	6	3
PSB057	Landscape Ecology 1	8	4
PSB071	Site Measurement	4	1

Year 2, Semester 2

PSB013	Planning & Landscape Design 2	20	6
PSB053	The Human Environment 4	4	2
PSB058	Landscape Ecology 2	8	3
PSB059	Population & Urban Studies	6	2
PSB060	Introduction to Economics	2	1
PSB072	Design Science	4	2
PSB073	Computer Techniques	4	2

Year 3, Semester 1

PSB014	Planning & Landscape Design 3	20	6
PSB018	Land Use Generation	4	2
PSB041	Report Preparation	2	1
PSB062	Economics of Town Planning	5	2
PSB074	Land Development	8	3
PSB077	Transport Planning	6	2
PSB190	Elective Unit (Planning)[19]	3	2

Year 3, Semester 2

ARB646	Law of the Built Environment	4	2
PSB015	Planning & Landscape Design 4	20	6

[19] *Electives must be approved by the relevant Major Coordinator.*

PSB020	Land Use Policies	4	2
PSB021	Conservation Theory	2	1
PSB032	Issues & Ethics	2	1
PSB061	Impacts & Assessment	5	2
PSB063	Housing & Community Services	5	2
PSB078	Urban Land Development	6	2

■ 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)		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BNB004	Technology & Society	8	3
CEB184	Engineering Mechanics 1	8	3
CHB002	Introduction to Engineering Chemistry[20]	(2)	(1)
EEB101	Circuits & Measurements	8	3
MAB103	Introductory Engineering Mathematics[21]	(8)	(3)
MAB187	Engineering Mathematics 1A	8	4
PHB134	Engineering Physics 1B	8	3
Select one unit from the following:			
MEB181	Engineering Communication	8	4
MEB134	Materials 1	8	3
Year 1, Semester 2			
CSB192	Introduction to Computing	8	3
EEB210	Network Analysis	8	4
EEB270	Digital Design Principles	8	3
MAB188	Engineering Mathematics 1B	8	4
PHB234	Engineering Physics 2B	8	3
Select the unit not undertaken in Semester 1:			
MEB134	Materials 1	8	3
MEB181	Engineering Communication	8	4
Year 2, Semester 1			
EEB375	Electronics 1	8	4
EEB310	Network Synthesis	8	4
EEB362	Introduction to Telecommunications	8	3
EEB390	Engineering Computing 1	8	3
MAB485	Engineering Mathematics 2A	8	3
MEB362	Thermofluids	8	3
Year 2, Semester 2			
EEB476	Electronics 2	8	4
EEB420	Control Systems 1	8	3
EEB475	Microprocessor Systems	8	3

[20] *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.*

[21] *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	8	3
	A third year 'A' Elective not yet attempted		
	'B' Elective offered by the divisions		

'B' Electives

BNB003	Professional Practice in Asia/Pacific	8	3
EEB761	Statistical Communications	8	3
EEB890	Advanced Information Technology Topics	8	3
EEB956	Photovoltaic Engineering	8	3
EEB962	Microwave Systems Engineering	8	3
EEB969	Signal Filtering & Estimation	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 (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.

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BNB004	Technology & Society	8	3
CEB184	Engineering Mechanics 1[22]	8	4
CHB002	Introduction to Engineering Chemistry[23]	(2)	(1)

[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.*

EEB101	Circuits & Measurements	8	3
MAB103	Introductory Engineering Mathematics[24]	(8)	(3)
MAB187	Engineering Mathematics 1A[25]	8	4
PHB134	Engineering Physics 1B	8	3

Select one unit from the following:

MEB134	Materials 1[25]	8	3
MEB181	Engineering Communication	8	4

Year 1, Semester 2

CEB185	Engineering Mechanics 2[26]	8	4
ESB229	Geology for the Built Environment	8	3
MAB188	Engineering Mathematics 1B	8	4
PSB907	Surveying	8	3
SCB246	Engineering Physics & Chemistry	8	3

Select one unit not undertaken in Semester 1:

MEB134	Materials 1[25]	8	3
MEB181	Engineering Communication	8	4

Students **not** enrolled for the Environmental Major complete these units:

Year 2, Semester 1

CEB221	Engineering Investigation Analysis & Reporting	8	4
CEB240	Soil Mechanics 1[27]	8	3.5
CEB254	Structural Engineering 1	8	3.5
CEB260	Fluid Mechanics	8	3.5
CEB293	Civil Engineering Materials	8	4
MAB487	Engineering Mathematics 2A	8	3

Year 2, Semester 2

CEB201	Steel Structures	8	3.5
CEB202	Concrete Structures 1	8	3.5
CEB211	Highway Engineering	8	4
CEB241	Soil Mechanics 2	8	3
CEB255	Structural Engineering 2	8	3.5
CEB261	Hydraulic Engineering 1	8	3.5

Year 3, Semester 1

CEB304/1	Civil Engineering Design 1	8	4
CEB306	Concrete Structures 2	8	3
CEB309	Construction Practice	8	3.5
CEB362	Hydraulic Engineering 2	8	3
CEB373	Public Health Engineering	8	3.5
MAB893	Engineering Mathematics 3	8	3

Year 3, Semester 2

CEB304/2	Civil Engineering Design 1	8	4
CEB316	Construction Planning & Economics[27]	8	3
CEB315	Traffic Engineering	8	3
CEB342	Geotechnical Engineering 1	8	3
CEB356	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

[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.*

CEB407	Structural Applications	8	3
CEB493/1	Project (Civil)	8	3
	Elective Unit	8	
	Elective Unit	8	

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	
	Elective Unit	8	
	Elective Unit	8	

Students enrolled for the Environmental Major complete these units:

Year 2, Semester 1

CEB221	Engineering Investigation Analysis & Reporting	8	4
CEB240	Soil Mechanics 1[28]	8	3.5
CEB254	Structural Engineering 1	8	3.5
CEB260	Fluid Mechanics	8	3.5
CEB293	Civil Engineering Materials	8	4
MAB487	Engineering Mathematics 2A	8	3

Year 2, Semester 2

CEB201	Steel Structures	8	3.5
CEB202	Concrete Structures 1[28]	8	3.5
CEB241	Soil Mechanics 2	8	3
CEB255	Structural Engineering 2	8	3.5
CEB261	Hydraulic Engineering 1	8	3.5
CEB270	Environmental Science	8	3

Year 3, Semester 1

CEB304/1	Civil Engineering Design 1	8	3.5
CEB309	Construction Practice	8	3.5
CEB362	Hydraulic Engineering 2	8	3
CEB373	Public Health Engineering	8	3.5
CEB372	Environmental Technology	8	3
MAB893	Engineering Mathematics 3	8	3

Year 3, Semester 2

CEB211	Highway Engineering	8	4
CEB304/2	Civil Engineering Design 1	8	3.5
CEB316	Construction Planning & Economics[28]	8	3
CEB315	Traffic Engineering	8	3
CEB371	Water & Wastewater Systems	8	3
CEB543	Environmental Geohydrology	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	3
CEB493/2	Project (Civil)	8	3
CEB502	Project Control	8	3
CEB575	Environmental Impact Assessment	8	3

[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[31]	8	4

Year 1, Semester 2

CEB185	Engineering Mechanics 2	8	4
ESB229	Geology for the Built Environment	8	3
MAB188	Engineering Mathematics 1B	8	4
MEB133	Materials[32]	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 Mechanics4	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

[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	3.5
CEB355	Structural Engineering 3	8	3
	Elective Unit	8	
	Elective Unit	8	

Year 6, Semester 1

CEB408/1	Civil Engineering Design 2	8	4
CEB493/2	Project (Civil)	8	3
	Elective Unit	8	
	Elective Unit	8	

Year 6, Semester 2

CEB401	Design Project	8	3
CEB408/2	Civil Engineering Design 2	8	3
CEB493/2	Project (Civil)	8	3
	Elective Unit	8	

Note: Part-time students who wish to do the Environmental Major must discuss their program with the Course Coordinator.

Elective Units		**Credit Points**	**Contact Hrs/Wk**
First Semester			
BNB003	Professional Practice in Asia/Pacific	8	3
CEB501	Civil Engineering Practice 1	8	3
CEB505	Project Management & Administration	8	3
CEB512	Transport Engineering 1	8	3
CEB520	Finite Element Methods	8	3
CEB541	Geotechnical Engineering 2	8	3
CEB561	Coastal Engineering	8	3
Second Semester			
CEB502	Project Control	8	3
CEB503	Advanced Construction Methods	8	3
CEB506	Civil Engineering Practice 2	8	3
CEB511	Transport Engineering 2	8	3
CEB531	Masonry Design	8	3
CEB542	Geotechnical Engineering 3	8	3
CEB543	Environmental Geohydrology	8	3
CEB551	Advanced Structural Design	8	3
CEB560	Hydraulic Engineering 3	8	3
CEB570	Waste Management	8	3
CEB575	Environmental Impact Assessment	8	3

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

BNB004	Technology & Society	8	3
CEB184	Engineering Mechanics 1	8	3
MAB103	Introductory Engineering Mathematics[33]	(8)	(3)
	OR		
MAB187	Engineering Mathematics 1A	8	4
MEB181	Engineering Communication	8	3
PHB134	Engineering Physics 1B	8	3
PSB907	Surveying	8	3
ESB229	Geology in the Built Environment	8	3

Summer School

CEB240	Soil Mechanics 1	8	3.5
CHB002	Introduction to Engineering Chemistry[34]	(2)	(1)
MAB188	Engineering Mathematics 1B	8	3

Year 2, Semester 1

MEB134	Materials 1	8	3
CEB221	Engineering Investigation Analysis & Reporting	8	4
CEB254	Structural Engineering 1	8	3.5
CEB260	Fluid Mechanics	8	3.5
CEB293	Civil Engineering Materials	8	4
MAB487	Engineering Mathematics 2A	8	3
EEB101	Circuits & Measurements	8	3

Students NOT enrolled in the environmental major should follow this course structure:

Year 2, Semester 2

CEB201	Steel Structures	8	3.5
CEB202	Concrete Structures 1	8	3.5
CEB241	Soil Mechanics 2	8	3
CEB211	Highway Engineering	8	4
CEB255	Structural Engineering 2	8	3.5
CEB261	Hydraulic Engineering 1	8	3.5
SCB246	Engineering Physics & Chemistry	8	3

Year 3, Semester 1

CEB304/1	Civil Engineering Design 1	8	3.5
CEB306	Concrete Structures 2	8	3
CEB309	Construction Practice	8	3.5
CEB362	Hydraulic Engineering 2	8	3
CEB370	Public Health Engineering 1	8	3.5
MAB893	Engineering Mathematics 3	8	3

Year 3, Semester 2

CEB304/2	Civil Engineering Design 1	8	3.5
CEB305	Construction Planning & Economics	8	2
CEB315	Traffic Engineering	8	3

[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)		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BNB004	Technology & Society	8	3
CEB184	Engineering Mechanics 1	8	3
CHB002	Introduction to Engineering Chemistry[35]	(2)	(1)
EEB101	Circuits & Measurements	8	3
MAB103	Introductory Engineering Mathematics[36]	(8)	(3)
MAB187	Engineering Mathematics 1A	8	4
PHB134	Engineering Physics 1B	8	3
Select one unit from the following:			
MEB181	Engineering Communication	8	4
MEB134	Materials 1	8	3
Year 1, Semester 2			
CSB192	Introduction to Computing	8	3
EEB210	Network Analysis	8	4
EEB270	Digital Design Principles	8	3
MAB188	Engineering Mathematics 1B	8	4
PHB234	Engineering Physics 2B	8	3
Select the unit not undertaken in Semester 1			
MEB134	Materials 1	8	3
MEB181	Engineering Communication	8	4
Year 2, Semester 1			
EEB302	Electrotechnology 1	8	3
EEB310	Network Synthesis	8	4
EEB362	Introduction to Telecommunications	8	3
EEB375	Electronics 1	8	4
EEB390	Engineering Computing 1	8	3
MAB485	Engineering Mathematics 2A	8	3
Year 2, Semester 2			
EEB400	Electrotechnology 2	8	3
EEB420	Control Systems 1	8	3
EEB475	Microprocessor Systems	8	3
EEB476	Electronics 2	8	4
MAB486	Engineering Mathematics 2B	8	3
MEB111	Dynamics	8	3

[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 Maths C or its equivalent.*

Year 3, Semester 1

EEB530	Engineering Electromagnetics	8	3
EEB565	Signals & Linear Systems	8	3
EEB587	Design 1	8	3
EEB593	Software Systems Engineering	8	3
MAB893	Engineering Mathematics 3	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
EEB693	Real-time Operating Systems	8	3
EEB788	Design 2	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
EEB885	Design 3	8	3
EEB889/1	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

EEB820	Engineering Management	8	3
EEB881	Production Technology & Quality	8	3
EEB889/2	Project	16	6
	Elective Unit 5 (select from List D)	8	3
	Elective Unit 6 (select from List D)	8	3

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 & 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
	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.)		
EEB765	Microwave & Antenna Technology	8	3
EEB791	Advanced Engineering Computing 1	8	3

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
EEB956	Microwave Systems Engineering	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
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.

Part-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BNB004	Technology & Society	8	3
CHB002	Introduction to Engineering Chemistry[37]	(2)	(1)
EEB101	Circuits & Measurements	8	3
MAB103	Introductory Engineering Mathematics[38]	(8)	(3)
MAB187	Engineering Mathematics 1A	8	4
PHB134	Engineering Physics 1B	8	3
Year 1, Semester 2			
CSB192	Introduction to Computing	8	3
EEB210	Network Analysis	8	4
MAB188	Engineering Mathematics 1B	8	4
PHB234	Engineering Physics 2B	8	3
Year 2, Semester 1			
EEB310	Network Synthesis	8	4
EEB362	Introduction to Telecommunications	8	3
MAB485	Engineering Mathematics 2A	8	3
MEB134	Materials 1	8	3
Year 2, Semester 2			
EEB270	Digital Design Principles	8	3
MAB486	Engineering Mathematics 2B	8	3
MEB111	Dynamics	8	3
MEB181	Engineering Communication	8	4
Year 3, Semester 1			
CEB184	Engineering Mechanics 1	8	3
EEB302	Electrotechnology 1	8	3
EEB375	Electronics 1	8	4
EEB390	Engineering Computing 1	8	3
Year 3, Semester 2			
EEB400	Electrotechnology 2	8	3
EEB420	Control Systems 1	8	3
EEB475	Microprocessor Systems	8	3
EEB476	Electronics 2	8	4
Year 4, Semester 1			
EEB530	Engineering Electromagnetics	8	3
EEB565	Signals & Linear Systems	8	3

[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.*

EEB593	Software Systems Engineering	8	3
MAB893	Engineering Mathematics 3	8	3

Year 4, Semester 2

EEB624	Control Systems 2	8	3
EEB665	Transmission & Propagation	8	3
EEB668	Digital Signal Processing	8	3
EEB693	Real-time Operating Systems	8	3

Year 5, Semester 1

EEB380	Engineering Management Skills	8	3
EEB587	Design 1	8	3
EEB682	Engineering Business Skills	8	3
	Elective Unit 1 (select from List A)	8	3

Year 5, Semester 2

EEB788	Design 2	8	3
EEB820	Engineering Management	8	3
EEB881	Production Technology & Quality	8	3
	Elective Unit 2 (select from List B)	8	3

Year 6, Semester 1

EEB885	Design 3	8	3
EEB889/1	Project	8	4
	Elective Unit 3 (select from List C)	8	3
	Elective Unit 4 (select from List C)	8	3

Year 6, Semester 2

EEB889/2	Project	16	6
	Elective Unit 5 (select from List D)	8	3
	Elective Unit 6 (select from List D)	8	3

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 & 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
	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.)		
EEB765	Microwave & Antenna Technology	8	3
EEB791	Advanced Engineering Computing 1	8	3

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 (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		Credit Points	Contact Hrs/Wk
Year 1, Semester 2			
BNB004	Technology & Society	8	3
CEB184	Engineering Mechanics 1	8	3
CSB192	Introduction to Computing	8	3
EEB101	Circuits & Measurements	8	3
MAB103	Introductory Engineering Mathematics[39]	(8)	(3)
	OR		
MAB187	Engineering Mathematics 1A	8	4
PHB134	Engineering Physics 1B	8	3
PHB234	Engineering Physics 2B	8	3

[39] *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			
CHB002	Introduction to Engineering Chemistry[40]	(2)	(1)
EEB210	Network Analysis	8	4
EEB270	Digital Design Principles	8	3
MAB188	Engineering Mathematics 1B	8	4
Year 2, Semester 1			
EEB302	Electrotechnology 1	8	3
EEB310	Network Synthesis	8	4
EEB362	Introduction to Telecommunications	8	3
EEB375	Electronics 1	8	4
EEB390	Engineering Computing 1	8	3
MAB485	Engineering Mathematics 2A	8	3
Select one unit from the following:			
MEB181	Engineering Communication	8	4
MEB134	Materials 1	8	3
Year 2, Semester 2			
EEB400	Electrotechnology 2	8	3
EEB420	Control Systems 1	8	3
EEB475	Microprocessor Systems	8	3
EEB476	Electronics 2	8	4
MAB486	Engineering Mathematics 2B	8	3
MEB111	Dynamics	8	3
Select the unit not undertaken in Semester 1:			
MEB134	Materials 1	8	3
MEB181	Engineering Communication	8	4
Year 3, Semester 1			
EEB530	Engineering Electromagnetics	8	3
EEB565	Signals & Linear Systems	8	3
EEB587	Design 1	8	3
EEB593	Software Systems Engineering	8	3
MAB893	Engineering Mathematics 3	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
EEB693	Real-time Operating Systems	8	3
EEB788	Design 2	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
EEB885	Design 3	8	3
EEB889/1	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			
EEB820	Engineering Management	8	3
EEB881	Production Technology & Quality	8	3
EEB889/2	Project	16	6
	Elective Unit 5 (select from List D)	8	3
	Elective Unit 6 (select from List D)	8	3
ELECTIVE LISTS			
List A, 'A' Electives			
EEB532	Power Systems 1	8	3
EEB564	Information Theory Modulation & Noise	8	3

[40] *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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BNB004	Technology & Society	8	3
CEB184	Engineering Mechanics 1	8	3
CHB002	Introduction to Engineering Chemistry[41]	(2)	(1)
EEB101	Circuits & Measurements	8	3
MAB103	Introductory Engineering Mathematics[42]	(8)	(3)
MAB187	Engineering Mathematics 1A	8	4
MEB134	Materials 1	8	3
	OR		
MEB181	Engineering Communication	8	4
PHB134	Engineering Physics 1B	8	3
Year 1, Semester 2			
EEB209	Electrical Engineering 2M	8	3
MAB188	Engineering Mathematics 1B	8	4
MEB111	Dynamics	8	3
MEB213	Mechanics of Solids	8	4
MEB282	Design 1	8	4
MEB134	Materials 1	8	3
	OR		
MEB181	Engineering Communication	8	4
Year 2, Semester 1			
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

[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	3/4

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

[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.*

MEB334	Materials 2	8	4
MEB455	Thermodynamics 2	8	4
Year 3, Semester 1			
MAB487	Engineering Mathematics 2A	8	3
MEB314	Mechanics 1	8	4
MEB363	Fluids 1	8	4
MEB381	Design 2	8	3
Year 3, Semester 2			
MAB488	Engineering Mathematics 2B	8	3
MEB466	Fluids 2	8	4
MEB473	Manufacturing Engineering 1	8	4
MEB483	Design 3	8	3
Year 4, Semester 1			
MAB893	Engineering Mathematics 3	8	3
MEB572	Manufacturing Engineering 2	8	4
MEB613	Mechanics 2	8	4
MEB662	Fluid Power	8	4
Year 4, Semester 2			
MEB641	Automation 1	8	4
MEB512	Noise & Vibrations	8	4
MEB513	Stress Analysis	8	4
MEB672	Total Quality Management	8	3
Year 5, Semester 1			
FNB116	Financial Management for Engineers	8	2
MEB554	Heat Transfer	8	4
MEB711	Automation 2	8	4
	Elective Unit (select from List A)	8	3
Year 5, Semester 2			
HRB111	Industrial Management	6	2
MEB661	Tribology	8	4
MEB775	Technology Management	8	3
	Elective Unit (select from List B)	8	3/4
Year 6, Semester 1			
MEB801/1	Project	16	6
MEB912	Finite Element Analysis	8	3
	Elective Unit (select from List C)	8	3
Year 6, Semester 2			
MEB801/2	Project	24	8
	Elective Unit (select from List D)	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

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 & Vibrations	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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BNB004	Technology & Society	8	3
CEB184	Engineering Mechanics 1	8	3
MAB103	Introductory Engineering Mathematics[45]	(8)	(3)
MAB187	Engineering Mathematics 1A	8	4
MEB111	Dynamics	8	3
PHB134	Engineering Physics 1B	8	3
MEB134	Materials 1	8	3
MEB181	Engineering Communication	8	4
Year 1, Summer School			
CHB002	Introduction to Engineering Chemistry[46]	(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

[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 B)	8	3/4

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

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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CEB184	Engineering Mechanics 1	8	3
CHB002	Introduction to Engineering Chemistry[47]	(2)	(1)
CSB192	Introduction to Computing	8	3
EEB101	Circuits & Measurements	8	3
LSB131	Anatomy	12	6
MAB103	Introductory Engineering Mathematics[48]	(8)	(3)
MAB187	Engineering Mathematics 1A	8	4
MEB191	Engineering in the Medical Environment	8	3
Year 1, Semester 2			
CHB003	Engineering Chemistry B	4	3
EEB209	Electrical Engineering 2M	8	3
LSB231	Physiology	12	6
MAB188	Engineering Mathematics 1B	8	4
MEB111	Dynamics	8	3
MEB213	Mechanics of Solids	8	4
PHB134	Engineering Physics 1B	8	3
Year 2, Semester 1			
HMB274	Functional Anatomy	12	4
MAB487	Engineering Mathematics 2A	8	3
MEB181	Engineering Communication	8	4
MEB314	Mechanics 1	8	4
MEB352	Thermodynamics 1	8	4
MEB363	Fluids 1	8	4
MEB134	Materials 1	8	3
Year 2, Semester 2			
CSB491	Unix & C	4	2
HMB362	Biomechanics 2	12	4
MAB488	Engineering Mathematics 2B	8	3

[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 B)	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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CSB192	Introduction to Computing	8	3
MAB103	Introductory Engineering Mathematics[49]	(8)	(3)
MAB187	Engineering Mathematics 1A	8	4
PHB172	Physics for Surveyors	8	3
PSB315	Land Administration 1	6	3
PSB325	Land Surveying 1	8	3
PSB348	Seminar	8	3
Year 1, Semester 2			
ESB229	Geology in the Built Environment	8	3
MAB188	Engineering Mathematics 1B	8	4
PSB054	Environmental Science	4	2
PSB306	Cartography 1	8	3
PSB316	Land Administration 2	8	3
PSB323	Land Studies 1	6	3
PSB326	Land Surveying 2	8	3
Year 2, Semester 1			
MAB494	Survey Mathematics 1	6	3
MAB893	Engineering Mathematics 3	8	3

[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	6	3
PSB307	Cartography 2	10	3
PSB319	Land Administration 5 [50]	(6)	(3)
PSB327	Land Surveying 3 [51]	10	3
PSB342	Spatial Information Science 1	8	3
PSB902	Urban Planning 1 [50]	(4)	(2)

Year 2, Semester 2

CEB364	Engineering Science 2	6	3
MAB496	Survey Mathematics 2	6	3
PSB303	Analysis of Spatial Measurement 1	6	3
PSB308	Cartography 3	8	3
PSB317	Land Administration 3	8	3
PSB328	Land Surveying 4	8	3
PSB334	Photogrammetry 1	6	3

Year 3, Semester 1

MAB795	Survey Mathematics 3	6	3
PSB304	Analysis of Spatial Measurement 2	6	3
PSB309	Cartography 4	8	3
PSB329	Land Surveying 5	8	3
PSB333	Map Projections	6	3
PSB335	Photogrammetry 2	8	3
PSB346	Spheroidal Computations	6	3

Year 3, Semester 2

CEB464	Engineering Science 3	6	3
PSB310	Geodesy 1	6	3
PSB318	Land Administration 4	6	3
PSB320	Land Development Practice 1	8	3
PSB324	Land Studies 2	6	3
PSB330	Land Surveying 6 [51]	8	3
PSB336	Photogrammetry 3	8	3
PSB343	Spatial Information Science 2 [50]	8	3

Year 4, Semester 1

CEB564	Engineering Science 4	6	3
PSB339/1	Project	8	3
PSB321	Land Development Practice 2	8	3
PSB331	Land Surveying 7	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 [51]	8	3
PSB338	Professional Practice	6	3
PSB339/2	Project	8	3
PSB345	Spatial Information Science 4 [50]	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
PSB319	Land Administration 5	6	3

[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.*

PSB021	Conservation Theory	2	1
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 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		Credit Points	Contact Hrs/Wk
Year 1, Semester 2			
ESB229	Geology in the Built Environment	8	3
MAB103	Introductory Engineering Mathematics [52]	8	3
	OR		
MAB187	Engineering Mathematics 1A	(8)	4
PSB054	Environmental Science	4	2
PSB306	Cartography 1	8	3
PSB316	Land Administration 2	8	3
PSB323	Land Studies 1	6	3
Summer School			
MAB188	Engineering Mathematics 1B	8	4
PSB325	Land Surveying 1	8	3
PSB326	Land Surveying 2	8	3
PSB307	Cartography 2	10	3
Year 2, Semester 1			
CSB192	Introduction to Computing	8	3
MAB494	Survey Mathematics 1	6	3
MAB893	Engineering Mathematics 3	8	3
MEB221	Engineering Science 1	6	3
PHB172	Physics for Surveyors	8	3
PSB315	Land Administration 1	6	3
PSB327	Land Surveying 3	10	3
PSB348	Seminar	8	3
Year 2, Semester 2			
CEB364	Engineering Science 2	6	3
MAB496	Survey Mathematics 2	6	3
PSB303	Analysis of Spatial Measurement 1	6	3
PSB308	Cartography 3	8	3
PSB317	Land Administration 3	8	3
PSB328	Land Surveying 4	8	3
PSB334	Photogrammetry 1	6	3
Year 3, Semester 1			
MA B795	Survey Mathematics 3	6	3
PSB304	Analysis of Spatial Measurement 2	6	3
PSB309	Cartography 4	8	3
PSB329	Land Surveying 5	8	3
PSB333	Map Projections	6	3
PSB335	Photogrammetry 2	8	3
PSB342	Spatial Information Science 1	8	3
PSB346	Spheroidal Computations	6	3
Year 3, Semester 2			
CEB464	Engineering Science 3	6	3
PSB310	Geodesy 1	6	3
PSB318	Land Administration 4	6	3
PSB320	Land Development Practice 1	8	3
PSB324	Land Studies 2	6	3
PSB330	Land Surveying 6[53]	8	3
PSB336	Photogrammetry 3	8	3
PSB343	Spatial Information Science 2[54]	8	3
Year 4, Semester 1			
CEB564	Engineering Science 4	6	3
PSB321	Land Development Practice 2	8	3

[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 [55]	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 [55]	8	3
PSB338	Professional Practice	6	3
PSB339/2	Project	8	3
PSB345	Spatial Information Science 4 [56]	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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BNB004	Technology & Society	8	3
CEB106	Experimental Design & Analysis	8	3
CEB108	Applied Physics	8	4
CEB184	Engineering Mechanics 1	8	3
CHB002	Introduction to Engineering Chemistry	2	1
MAB103	Introductory Engineering Mathematics[57]	8	3
MEB181	Engineering Communication	8	4
Year 1, Semester 2			
CEB170	Engineering Science	8	3
CEB185	Engineering Mechanics 2	8	3
ESB229	Geology in the Built Environment	8	2
MAB187	Engineering Mathematics 1A	8	4
PHB134	Engineering Physics 1A	8	3
PSB907	Surveying	8	3
Year 2, Semester 1			
CEB240	Soil Mechanics 1	8	3
CEB253	Structural Engineering 1	8	3
CEB293	Civil Engineering Materials	8	3
CEB260	Fluid Mechanics	8	4
MAB185	Introduction to Statistics	8	3.5
MAB188	Engineering Mathematics 1B	8	4
Year 2, Semester 2			
CEB203	CAD for Civil Engineers	8	3
CEB241	Soil Mechanics 2	8	3
CEB270	Environmental Science	8	3
CEB204	Computer Applications	8	3
CEB261	Hydraulic Engineering	8	3.5
CEB211	Highway Engineering	8	4
Year 3, Semester 1			
CEB221	Engineering Investigation, Analysis & Reporting	8	4
CEB307	Construction Practice	8	3.5
CEB224	Advanced Civil Engineering Software	8	3
CEB370	Public Health Engineering	8	3.5
CEB225	Civil Project A	8	4
	Elective Unit	8	3
Year 3, Semester 2			
CEB202	Concrete Structures 1	8	3.5
CEB226	Civil Projects B	8	4

[57] *MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C.*

CEB227	Civil Investigation Project	8	4
CEB305	Construction Planning & Economics	8	3
CEB372	Environmental Technology	8	3
	Elective Unit	8	3

Part-Time Course Structure – Articulation from Associate Diploma

Year 1, Semester 1

CEB221	Engineering Investigation, Analysis & Reporting	8	4
CEB294	Engineering Science	8	4
CEB309	Construction Practice [58]	8	3.5
CHB002	Introduction to Engineering Chemistry [59]	(2)	(1)
MAB103	Introductory Engineering Mathematics [60]	(8)	(3)

Year 1, Semester 2

CEB261	Hydraulic Engineering 1	8	3.5
CEB270	Environmental Science	8	3
MAB187	Engineering Mathematics 1A	8	4

Year 2, Semester 1

CEB225	Civil Projects A [58]	8	4
MAB185	Introduction to Statistics	8	3
MAB188	Engineering Mathematics 1B	8	3

Year 2, Semester 2

CEB202	Concrete Structures 1 [58]	8	3.5
CEB241	Soil Mechanics 2 [58]	8	3
CEB372	Environmental Technology	8	3

Year 3, Semester 1

CEB204	Computer Applications	8	3
CEB226	Civil Projects B [58]	8	4
CEB370	Public Health Engineering	8	3.5

Year 3, Semester 2

CEB227	Civil Investigation Project [58]	8	4
CEB305	Construction Planning & Economics [58]	8	3
	Elective Unit	8	

ELECTIVE UNITS

CEB313	Traffic Engineering	8	3
CEB371	Water & Wastewater Systems	8	3
CEB543	Environmental Geotechnology	8	3
	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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BNB004	Technology & Society	8	3
CEB184	Engineering Mechanics 1	8	3
CHB002	Introduction to Engineering Chemistry[61]	(2)	1
EEB101	Circuits & Measurements	8	3
MAB103	Introductory Engineering Mathematics	8	3
PHB001	Introductory Physics	6	3
MEB181	Engineering Communication	8	4
	OR		
MEB134	Materials 1	8	3
Year 1, Semester 2			
MAB187	Engineering Mathematics 1A	8	4
MEB111	Dynamics	8	3
MEB175	Manufacturing Practice 1	8	3
MEB213	Mechanics of Solids	8	4
MEB181	Engineering Communication	8	4
	OR		
MEB134	Materials 1	8	3
PHB134	Engineering Physics 1B	8	3
Year 2, Semester 1			
MAB188	Engineering Mathematics 1B	8	4
MEB275	Manufacturing Practice 2	8	3
MEB314	Mechanics 1	8	4
MEB352	Thermodynamics 1	8	4
MEB363	Fluids 1	8	4
MEB612	Mechanical Measurement	8	3
Year 2, Semester 2			
EEB209	Electrical Engineering 2M	8	3
MAB185	Introduction to Statistics	8	3
MEB282	Design 1	8	4
MEB283	Computer Aided Design & Drafting	8	4

[61] *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	8	4
MEB473	Manufacturing Engineering 1	8	4

Year 3, Semester 1

HRB148	Managing People at Work	8	2
MEB355	Thermofluids	8	3
MEB381	Design 2	8	3
MEB501/1	Project	8	3
MEB572	Manufacturing Engineering 2	8	4
	Elective Unit (select from List A)	8	3

Year 3, Semester 2

HRB149	Human Resources & Industrial Relations	8	2
MEB501/2	Project	8	3
MEB661	Tribology	8	4
MEB672	Total Quality Management	8	3
MEB741	Maintenance Management & Technology	8	3
	Elective Unit (select from List B)	8	3/4

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

Part-Time Course Structure – Articulation from Associate Diploma

Year 1, Semester 1

MAB103	Introductory Mathematics[62]	(8)	(3)
MAB187	Engineering Mathematics 1A	8	4
MEB363	Fluids 1	8	4
MEB612	Mechanical Measurement	8	3

Year 1, Semester 2

MAB188	Engineering Mathematics 1B	8	4
MEB111	Dynamics	8	3
MEB334	Materials 2	8	4

Year 2, Semester 1

MEB314	Mechanics 1	8	4
MEB352	Thermodynamics 1	8	4
MEB381	Design 2	8	3
	Elective Unit (select from List A)	8	3

Year 2, Semester 2

MAB185	Introduction to Statistics	8	3
MEB672	Total Quality Management	8	3
MEB741	Maintenance Management & Technology	8	3
	Elective Unit (select from List B)	8	3

Year 3, Semester 1

HRB148	Managing People at Work	8	2
MEB355	Thermofluids	8	3
MEB501/1	Project	8	3
MEB572	Manufacturing Engineering 2	8	4

[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. Forms for obtaining credit for industrial employment are available from the Faculty office.

Course Structure		Credit Points	Contact Hrs/Wk
GENERAL MAJOR (GEN)			
Year 4, Semester 1			
CET704	Civil Construction Practice	7	3
	List B1 Elective Unit	7	
	List B2 Elective Unit	7	
Year 4, Semester 2			
	List B1 Elective Unit	7	
	Two List B2 Elective Units	14	

WATER AND WASTEWATER PROCESS OPERATION MAJOR

Year 4, Semester 1

CET606	Construction Management	7	3
CET777	Process Operation & Control 1	7	3
CHA744	Process Measurement & Monitoring 2	7	3

Year 4, Semester 2

CET876	Plant Operation & Maintenance	7	3
CET877	Process Operation & Control 2	7	3
CHA844	Trade Waste Control	7	3

Industrial Employment Units (Part-Time only)

BNT100	Industrial Employment 1	3	15 weeks
BNT200	Industrial Employment 2	3	15 weeks
BNT300	Industrial Employment 3	3	15 weeks
BNT400	Industrial Employment 4	3	15 weeks
BNT500	Industrial Employment 5	3	15 weeks
BNT600	Industrial Employment 6	3	15 weeks
BNT700	Industrial Employment 7	3	15 weeks
BNT800	Industrial Employment 8	3	15 weeks

List B1 Elective Units

FIRST SEMESTER

CET606	Construction Management (Evening)	7	3
CET655	Concrete & Steel Design (Day)	7	3
CET887	Computer Aided Drafting (Evening)	7	3
EST219	Engineering Geology	7	3

SECOND SEMESTER

CET655	Concrete & Steel Design (Evening)	7	3
CET787	Structural Engineering Drawing (Day)	7	3
CET887	Computer Aided Drafting (Day & Evening)	7	3
HRX111	Safety & Industrial Relations (Evening)	7	2

List B2 Elective Units

FIRST SEMESTER

CET703	Civil Engineering Practice 1	7	3
CET707	Municipal Engineering (Evening)	7	3
CET735	Advanced Laboratory Testing 1[63]	7	3
CET797	Project 1[63]	7	3
CHA145	Introductory Chemistry (Evening)	8	3
EST219	Engineering Geology	7	3
MET140	Engineering Materials 1	8	3

SECOND SEMESTER

CET420	Civil Systems 2	7	3
CET797	Project 1[63]	7	3
CET802	Civil Engineering Practice 2	7	3
CET838	Advanced Laboratory Testing 2	7	3
CET856	Advanced Construction Techniques	7	3
CET888	Structural Drawing & Design (Day)	7	3

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.*

FACULTY OF BUSINESS

Courses

FACULTY OF BUSINESS

Course Structures

■ Master of Business (Research) (BS92)

In the fields of Accountancy, Banking and Finance, Communication, Economics, Human Resource Management, International Business, Management, Marketing.

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:

			Credit Points
(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 Humau 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		**Credit Points**	**Contact Hrs/Wk**
Semester 1			
CON406	Communication Strategies	12	3
CON407	Communication Technology & Global Networks	12	3
CON402	Case Study Development	12	3
CON403	Communicating Breakthrough Service	12	3
Semester 2			
Strand: ADV/ORC/PUR[1]			
ADV	CON419 Strategies for Creative Advertising	12	3
ORC	CON401 Advanced Organisational Communication	12	3
PUR	CON414 Public Communication Campaigns	12	3

[1] *Students must choose one strand: ADV, ORC or PUR and study all units in that strand.*

Strand: ADV/ORC/PUR[2]

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		**Credit Points**	**Contact Hrs/Wk**

Semester 1

CON406	Communication Strategies	12	3
CON407	Communication Technology & Global Networks	12	3

Semester 2

Strand: ADV/ORC/PUR[2]

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/PUR[2]

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.

Part-Time Course Structure Over Two Years		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BSN408	Business & the International Environment	12	3
	Specialisation 1	12	3
Year 1, Semester 2			
BSN400	Industry Analysis	12	3
	Specialisation 2	12	3
Year 1, Semester 3			
BSN402	Product & Service Evaluation	12	3
BSN401	Management, the Organisation & International Business	12	3
Year 2, Semester 1			
	Specialisation 3	12	3
BSN403	Product & Service Innovation & Development	12	3
Year 2, Semester 2			
	Area Study in International Business OR Project	12	3
	Elective OR Project	12	3
Year 2, Semester 3			
BSN407	Strategic Business Analysis	12	3
	Specialisation 4	12	3

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

Tonrism

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

MGN506	Contemporary Issues in HRM	12	3
MGN508	HRM Cases	12	3
Plus two units from:			
MGN500	Advanced Readings in HRM I	12	3
MGN527	Advanced Readings in HRM II	12	3
MGN528	Special Topic in HRM I	12	3
MGN529	Special Topic in HRM II	12	3
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.

		Credit Points	Contact Hrs/Wk
List One: Accountancy			
AYN400	Accounting I (PY)	12	3
AYN401	Accounting II (PY)	12	3
AYN402	Accounting Information Systems (PY)	12	3
AYN404	Advanced Company Accounting	12	3
AYN407	Audit Sampling	12	3
AYN408	Auditing (PY)	12	3
AYN409	Auditing Standards & Practice	12	3
AYN413	Computer Auditing	12	3
AYN415	External Reporting Issues	12	3
AYN419	Financial Modelling	12	3
AYN420	Financial Reporting	12	3
AYN423	Internal Auditing	12	3
AYN424	International Accounting	12	3
AYN429	Management Accounting (PY)	12	3
AYN430	Managerial Accounting Issues A	12	3
AYN431	Managerial Accounting Issues B	12	3
AYN432	Public Sector Accounting Issues	12	3
AYN433	Special Topic – Public Accounting	12	3
AYN434	Special Topic – Managerial Accounting	12	3

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		Credit Points	Contact Hrs/Wk
Semester 1			
CON404	Communication Practice for Professionals	12	3
CON420	Theories of Human Communication	12	3
Strand: ADV/ORC/PUR[3]			
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
Semester 2			
Strand: ADV/ORC/PUR[3]			
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/PUR[3]			
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
Semester 3			
CON406	Communication Strategies	12	3
CON407	Communication Technology & Global Networks	12	3
CON405	Communication Project	24	

Part-Time Course Structure

Semester 1			
CON404	Communication Practice for Professionals	12	3

[3] *Students must choose one strand: ADV, ORC or PUR and study all units in that strand.*

Strand: ADV/ORC/PUR[4]

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[4]

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[4]

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 Poiuts/Full-Time Semester: 48

Tuitiou Fees (doiuestic studeuts): To be advised

Course Coordinator: To be advised

Entry Requirements

For Australian residents, an applicant should normally possess:

(i) an undergraduate 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		Credit Points	Contact Hrs/Wk
Semester 1			
AYN416	Financial Accounting 1	12	3
AYN410	Business Law & Ethics	12	3
EFN406	Managerial Finance	12	3
EFN405	Managerial Economics	12	3
Semester 2			
AYN417	Financial Accounting 2	12	3
AYN412	Company Law	12	3
AYN402	Accounting Information Systems	12	3
AYN414	Cost Accounting	12	3
Semester 3			
AYN418	Financial Accounting 3	12	3
AYN411	Company Auditing	12	3
AYN438	Taxation Law & Practice	12	3
AYN439	Management Accounting	12	3
Part-Time Course Structure			
Semester 1			
AYN416	Financial Accounting 1	12	3
AYN410	Business Law & Ethics	12	3
Semester 2			
AYN402	Accounting Information Systems	12	3
AYN414	Cost Accounting	12	3
Semester 3			
EFN405	Managerial Economics	12	3
EFN406	Managerial Finance	12	3
Semester 4			
AYN417	Financial Accounting 2	12	3
AYN412	Company Law	12	3
Semester 5			
AYN418	Financial Accounting 3	12	3
AYN411	Company Auditing	12	3
Semester 6			
AYN438	Taxation Law & Practice	12	3
AYN439	Management Accounting	12	3

■ 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.

		Credit Points	Contact Hrs/Wk
Semester 1			
Core Units			
GSN208	Personal Development & Ethics for Managers	12	3
GSN101	International Environment of Business	12	3
GSN106	Leading & Managing Internationally	12	3
GSN104	International Management & Business Organisation	12	3
Semester 2			
Core Options			
Three of:			
GSN102	International Finance & Resource Management	12	3
GSN103	International Human Resource Management	12	3
GSN107	Managing Innovation & Enterprise Development	12	3
GSN201	Global Business Networks	12	3
GSN105	International Marketing	12	3
GSN207	Organisational Analysis & Consulting*	12	3
Core Unit			
GSN100	Global Business Strategies	12	3

Semester 3

Elective Study

Students must complete, in Australia or overseas, elective coursework, an international project or an industry placement with a total combined value of 48 credit points.

* 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.

		Credit Points	Contact Hrs/Wk
Semester 1			
Foundation Units			
GSN204	Management & the Business Environment	12	3
GSN208	Personal Development & Ethics for Managers	12	3
Functional Units			
Two of:			
GSN202	Managerial Accounting	12	3
GSN203	Managerial Economics	12	3
GSN206	Marketing	12	3
GSN205	Managing Human Resources	12	3
GSN201	Global Business Networks	12	3
Semester 2			
Functional Units			
Two of:			
GSN202	Managerial Accounting	12	3
GSN203	Managerial Economics	12	3
GSN206	Marketing	12	3
GSN205	Managing Human Resources	12	3
GSN201	Global Business Networks	12	3
Capstone Units			
GSN200	Business Strategies	12	3
GSN207	Organisational Analysis & Consulting	12	3

Semester 3

Elective Study

Students must complete elective coursework, projects or industry placement with a total combined value of 48 credit points.

Part-Time Course Structure

With inclusion of summer semesters, the course may be completed in a minimum of two calendar years.

		Credit Points	Contact Hrs/Wk
Semester 1			
Foundation Units			
GSN204	Management & the Business Environment	12	3
GSN208	Personal Development & Ethics for Managers	12	3
Semester 2			
Functional Units			
Two of:			
GSN202	Managerial Accounting	12	3
GSN203	Managerial Economics	12	3
GSN206	Marketing	12	3
GSN205	Managing Human Resources	12	3
GSN201	Global Business Networks	12	3
Semester 3			
Functional Units			
Two of:			
GSN202	Managerial Accounting	12	3
GSN203	Managerial Economics	12	3
GSN206	Marketing	12	3
GSN205	Managing Human Resources	12	3
GSN201	Global Business Networks	12	3
Semester 4			
Capstone Units			
GSN207	Organisational Analysis & Consulting	12	3
GSN200	Business Strategies	12	3

Semester 5

Elective Study

Students must complete elective coursework, projects or industry placement with a total combined value of 24 credit points.

Semester 6

Elective Study

Students must complete elective coursework, projects or industry placement with a total combined value of 24 credit points.

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

Staudard 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		Credit Points	Contact Hrs/Wk
List One: Accountancy			
AYN400	Accounting I (PY)	12	3
AYN401	Accounting 2 (PY)	12	3
AYN402	Accounting Information Systems	12	3
AYN404	Advanced Company Accounting	12	3
AYN407	Audit Sampling	12	3
AYN408	Auditing (PY)	12	3
AYN409	Auditing Standards & Practice	12	3
AYN413	Computer Auditing	12	3
AYN415	External Reporting Issues	12	3
AYN419	Financial Modelling	12	3
AYN420	Financial Reporting	12	3
AYN423	Internal Auditing	12	3
AYN424	International Accounting	12	3
AYN429	Management Accounting (PY)	12	3
AYN430	Managerial Accounting Issues A	12	3
AYN431	Managerial Accounting Issues B	12	3
AYN432	Public Sector Accounting Issues	12	3
AYN433	Special Topic – Public Accounting	12	3
AYN434	Special Topic – Managerial Accounting	12	3
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 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

AYN401	Accounting 2 (PY)	12	3
AYN405	Advanced Tax Planning	12	3
AYN406	Advanced Taxation	12	3
AYN407	Audit Sampling	12	3
AYN408	Auditing (PY)	12	3
AYN409	Auditing Standards & Practice	12	3
AYN420	Financial Reporting	12	3
AYN425	International Taxation	12	3
AYN429	Management Accounting (PY)	12	3
AYN430	Managerial Accounting Issues A	12	3
AYN431	Managerial Accounting Issues B	12	3
AYN435	Taxation IA (PY)	12	3
AYN500	Auditing Honours	12	3
AYN501	Commercial Law Honours	12	3
AYN502	Financial Accounting Honours	12	3
AYN503	Managerial Accounting Honours	12	3
AYN504	Taxation Policy Honours	12	3
EFN400	Advanced Capital Budgeting	12	3
EFN500	Contemporary Macroeconomic Theories	12	3
EFN501	Corporate & Commercial Lending	12	3
EFN502	Development in Microeconomic Theories	12	3
EFN504	Finance Honours	12	3

Semester 2

AYN400	Accounting I (PY)	12	3
AYN402	Accounting Information Systems (PY)	12	3
AYN404	Advanced Company Accounting	12	3
AYN413	Computer Auditing	12	3
AYN415	External Reporting Issues	12	3
AYN419	Financial Modelling	12	3
AYN421	Indirect Taxation	12	3
AYN422	Insolvency & Reconstruction (PY)	12	3
AYN423	Internal Auditing	12	3
AYN424	International Accounting	12	3
AYN426	Legal Environment of Business	12	3
AYN427	Liquidations & Receivership	12	3
AYN432	Public Sector Accounting Issues	12	3
AYN436	Taxation IB (PY) (Note: Classes begin in April)	12	3
AYN437	Taxation II (PY)	12	3
EFN401	Advanced Financial Institutions Management	12	3
EFN408	Special Topic – Economics & Finance	12	3
EFN503	Economic & Financial Modelling	12	3
EFN505	Financial Risk Management	12	3
EFN506	International Finance	12	3

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.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
ADVERTISING			
Year 1, Semester 1			
CON404	Communication Practice for Professionals	12	3
CON420	Theories of Human Communication	12	3
CON417	Seminar in Advertising Management	12	3
COB315	Direct Response Advertising	12	3
Year 1, Semester 2			
CON419	Strategies for Creative Advertising	12	3
CON418	Seminar in Media Strategy	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
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.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
AYP401	Employment Law	12	3
MGN401	Comparative Industrial Relations	12	3
MGN408	Industrial Relations Theory	12	3
Select one of the following units:			
MGN400	Australian Industrial Relations	12	3
	Elective Unit	12	
Year 1, Semester 2			
AYP400	Australian Industrial Law	12	3
MGN407	Industrial Relations Strategies & Policies	12	3
MGN405	Industrial Relations & the Economy	12	3
Select one of the following units:			
MGN406	Industrial Relations Processes	12	3
	Elective Unit	12	
Part-Time Course Structure			
Year 1, Semester 1			
AYP401	Employment Law	12	3
MGN401	Comparative Industrial Relations	12	3
Year 1, Semester 2			
AYP400	Australian Industrial Law	12	3
MGN405	Industrial Relations & the Economy	12	3
Year 2, Semester 1			
MGN408	Industrial Relations Theory	12	3
Select one of the following units:			
MGN400	Australian Industrial Relations	12	3
	Elective Unit	12	
Year 2, Semester 2			
MGN407	Industrial Relations Strategies & Policies	12	3
Select one of the following units:			
MGN406	Industrial Relations Processes	12	3
	Elective Unit	12	
	Elective Units		
Elective units to be selected from:			
MGN409	Introduction to Management	12	3
MGN412	People in Organisations	12	3
GSN205	Managing Human Resources	12	3

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)

In the fields of Accountancy, Banking and Finance, Communication, Economics, Human Resource Management, International Business, Management and Marketing.

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
OR

Units in Management (Compulsory)

MGN501 Readings in Management
MGN507 Contemporary Issues in Management
OR

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&A) and also the Institute of Corporate Managers, Secretaries and Administrators (ICMS&A) 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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BSB116	Marketing & International Business	12	3
BSB110	Accounting	12	4
BSB113	Economics	12	3
BSB114	Government, Business & Society	12	3

Year 1, Semester 2

BSB112	Business Technology & Information	12	3
EFB102	Economics II	12	3
AYB120	Business Law	12	3
AYB121	Financial Accounting	12	4

Year 2, Semester 1

BSB111	Business Ethics	12	3
EFB101	Data Analysis for Business	12	3
AYB220	Company Accounting	12	4
AYB221	Computerised Accounting Systems	12	4

Year 2, Semester 2

AYB223	Law of Business Associations	12	3
BSB115	Management, People & Organisations	12	3
AYB225	Management Accounting I	12	4
BSB117	Professional Communication & Negotiation	12	3

Year 3, Semester 1

AYB325	Taxation Law	12	3
AYB301	Auditing	12	3
EFB210	Finance I	12	4
	Elective Unit	12	3

Year 3, Semester 2

AYB311	Financial Accounting Theory		
	OR		
AYB321	Management Accounting Theory	12	4
	Elective Unit	12	3
	Elective Unit	12	3
	Elective Unit	12	3

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

BSB116	Marketing & International Business	12	3
BSB114	Government, Business & Society	12	3

Year 2, Semester 2

BSB112	Business Technology & Information	12	3
AYB120	Business Law	12	3

Year 3, Semester 1

BSB111	Business Ethics	12	3
EFB101	Data Analysis for Business	12	3

Year 3, Semester 2

AYB223	Law of Business Associations	12	3
BSB115	Management, People & Organisations	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

AYB325	Taxation Law	12	3
AYB301	Auditing	12	3

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

		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BSB116	Marketing & International Business	12	3
BSB110	Accounting	12	4
BSB113	Economics	12	3
BSB114	Government, Business & Society	12	3
Year 1, Semester 2			
BSB112	Business Technology & Information	12	3
EFB102	Economics II	12	3
AYB120	Business Law	12	3
AYB121	Financial Accounting	12	4
Year 2, Semester 1			
BSB111	Business Ethics	12	3
EFB101	Data Analysis for Business	12	3
AYB220	Company Accounting	12	4
AYB223	Law of Business Associations	12	3
Year 2, Semester 2			
AYB325	Taxation Law	12	3
BSB115	Management, People & Organisations	12	3
AYB225	Management Accounting I	12	4
BSB117	Professional Communication & Negotiation	12	3
Year 3, Semester 1			
AYB301	Auditing	12	3
EFB210	Finance I	12	4
	Extended Major Elective Unit	12	3
	Extended Major Elective Unit	12	3
Year 3, Semester 2			
AYB311	Financial Accounting Theory	12	4
	OR		
AYB321	Management Accounting Theory	12	4
	Extended Major Elective Unit	12	3
	Extended Major Elective Unit	12	3
AYB221	Computerised Accounting Systems	12	4

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

BSB116	Marketing & International Business	12	3
BSB114	Government, Business & Society	12	3

Year 2, Semester 2

BSB112	Business Technology & Information	12	3
AYB120	Business Law	12	3

Year 3, Semester 1

BSB111	Business Ethics	12	3
AYB223	Law of Business Associations	12	3

Year 3, Semester 2

AYB325	Taxation Law	12	3
BSB115	Management, People & Organisations	12	3

Year 4, Semester 1

AYB220	Company Accounting	12	4
EFB101	Data Analysis for Business	12	3

Year 4, Semester 2

AYB225	Management Accounting I	12	4
BSB117	Professional Communication & Negotiation	12	3

Year 5, Semester 1

AYB301	Auditing	12	3
	Extended Major Elective Unit	12	3

Year 5, Semester 2

AYB311	Financial Accounting Theory	12	4
	OR		
AYB321	Management Accounting Theory	12	4
	Extended Major Elective Unit	12	3

Year 6, Semester 1

EFB210	Finance I	12	4
	Extended Major Elective Unit	12	3

Year 6, Semester 2

AYB221	Computerised Accounting Systems	12	4
	Extended Major Elective Unit	12	3

Extended Major Electives

AYB324	Taxation Disputes	12	3
AYB303	Commercial & Securities Law	12	3
AYB305	Company Law & Practice	12	3
AYB316	Insolvency Law & Practice	12	3
AYB314	Indirect Taxation	12	3
AYB323	Tax Planning	12	3
AYB326	Taxation of Business Entities	12	3
AYB318	International Taxation	12	3

EXTENDED MAJOR IN BUSINESS COMPUTING

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BSB116	Marketing & International Business	12	3
BSB110	Accounting	12	4
BSB113	Economics	12	3
BSB114	Government, Business & Society	12	3
Year 1, Semester 2			
BSB112	Business Technology & Information	12	3
EFB102	Economics II	12	3
CSB155	Introduction to Computing	12	3
AYB121	Financial Accounting	12	4

Year 2, Semester 1

BSB111	Business Ethics	12	3
EFB101	Data Analysis for Business	12	3
AYB220	Company Accounting	12	4
AYB221	Computerised Accounting Systems	12	4

Year 2, 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 3, Semester 1

ITB222	Systems Analysis & Design 1	12	3
AYB301	Auditing	12	3
EFB210	Finance I	12	4
ITB520	Data Communications	12	3

Year 3, 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

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

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 1	12	3
AYB301	Auditing	12	3

Year 5, Semester 2

AYB311	Financial Accounting Theory	12	4
	OR		
AYB321	Management Accounting Theory	12	4
AYB309	Computer Security & Audit	12	3

Year 6, Semester 1

EFB210	Finance I	12	4
ITB520	Data Communications	12	3

Year 6, Semester 2

ITB242	Decision Support Systems	12	3
AYB120	Business Law	12	3

SPECIALISATIONS FOR BUSINESS MAJORS

Accounting

AYB121	Financial Accounting	12	4
AYB221	Computerised Accounting Systems	12	4
AYB220	Company Accounting	12	4
AYB225	Management Accounting I	12	4

Plus **two** of the following:

AYB226	Management Accounting II	12	4
AYB311	Financial Accounting Theory	12	4
AYB321	Management Accounting Theory	12	4
AYB313	Government Accounting	12	3
AYB300	Accounting in an International Environment	12	3

Business Law

AYB120	Business Law	12	3
AYB223	Law of Business Associations	12	3
AYB325	Taxation Law	12	3

Plus **three** of the following:

AYB312	Financial Institutions Law	12	3
AYB315	Industrial Law	12	3
AYB317	International Business Law	12	3
AYB305	Company Law & Practice	12	3
AYB326	Taxation of Business Entities	12	3

CONCENTRATIONS FOR NON-BUSINESS MAJORS AVAILABLE FROM THE SCHOOL OF ACCOUNTANCY

Accounting

BSB110	Accounting	12	4
AYB121	Financial Accounting	12	4
AYB221	Computerised Accounting Systems	12	4
AYB220	Company Accounting	12	4
AYB225	Management Accounting I	12	4

Plus **one** of the following:

AYB226	Management Accounting II	12	4
AYB311	Financial Accounting Theory	12	4
AYB321	Management Accounting Theory	12	4
AYB313	Government Accounting	12	3
AYB300	Accounting in an International Environment	12	3

Business Law

BSB114	Government, Business & Society	12	3
AYB120	Business Law	12	3
AYB223	Law of Business Associations	12	3
AYB325	Taxation Law	12	3

Plus **two** of the following:

AYB312	Financial Institutions Law	12	3
AYB315	Industrial Law	12	3
AYB317	International Business Law	12	3
AYB305	Company Law & Practice	12	3
AYB326	Taxation of Business Entities	12	3

☐ 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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BSB112	Business Technology & Information	12	3
BSB113	Economics	12	3
BSB114	Government, Business & Society	12	3
BSB116	Marketing & International Business	12	3
Year 1, Semester 2			
BSB110	Accounting	12	3
BSB115	Management, People & Organisations	12	3
EFB101	Data Analysis for Business	12	3
EFB102	Economics II	12	3
Year 2, Semester 1			
AYB120	Business Law	12	3
BSB111	Business Ethics	12	3
BSB117	Professional Communication & Negotiation	12	3
EFB210	Finance I	12	4
Year 2, Semester 2			
AYB225	Management Accounting I	12	3
EFB200	Applied Regression Analysis	12	3
	OR		
	Level 2 Finance elective	12	3
EFB307	Finance II	12	4
	Elective	12	
Year 3, Semester 1			
AYB312	Financial Institutions Law	12	3
	OR		
	Approved level 2 Finance Elective	12	3
EFB201	Australian Financial Markets	12	3
EFB311	Financial Institutions Lending	12	3
	Elective	12	
Year 3, Semester 2			
EFB310	Financial Institutions Control	12	3
EFB312	International Finance & Economics	12	3
	Elective	12	
	Elective	12	

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	12	3
	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	12	3
	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		Credit Point	Contact Hrs/Wk
Year 1, Semester 1			
BSB110	Accounting	12	3
BSB112	Business Technology & Information	12	3
BSB114	Government, Business & Society	12	3
BSB116	Marketing & International Business	12	3
Year 1, Semester 2			
BSB113	Economics	12	3
BSB115	Management, People & Organisations	12	3
EFB101	Data Analysis for Business	12	3
AYB121	Financial Accounting	12	4
Year 2, Semester 1			
BSB111	Business Ethics	12	3
AYB225	Management Accounting I	12	3
AYB220	Company Accounting	12	3
EFB210	Finance I	12	3
Year 2, Semester 2			
AYB120	Business Law	12	3
EFB102	Economics II	12	3
EFB307	Finance II	12	4
BSB117	Professional Communication & Negotiation	12	3
Year 3, Semester 1			
AYB223	Law of Business Associations	12	3
AYB311	Financial Accounting Theory	12	3
	OR		
AYB321	Management Accounting Theory	12	3
EFB201	Australian Financial Markets	12	3
EFB311	Financial Institutions Lending	12	3
Year 3, Semester 2			
AYB301	Auditing	12	3
AYB325	Taxation Law	12	3
EFB312	International Finance & Economics	12	3
EFB310	Financial Institutions Control	12	3

Part-Time Course Structure

Year 1, Semester 1			
BSB110	Accounting	12	3
BSB112	Business Technology & Information	12	3
Year 1, Semester 2			
BSB113	Economics	12	3
BSB115	Management, People & Organisations	12	3
Year 2, Semester 1			
BSB114	Government, Business & Society	12	3
BSB116	Marketing & International Business	12	3
Year 2, Semester 2			
EFB101	Data Analysis for Business	12	3
AYB121	Financial Accounting	12	3
Year 3, Semester 1			
BSB111	Business Ethics	12	3
AYB225	Management Accounting I	12	3
Year 3, Semester 2			
AYB120	Business Law	12	3
EFB102	Economics II	12	3

Year 4, Semester 1			
AYB222	Company Accounting	12	3
EFB210	Finance I	12	4
Year 4, Semester 2			
EFB307	Finance II	12	4
BSB117	Professional Communication & Negotiation	12	3
Year 5, Semester 1			
AYB223	Law of Business Associations	12	3
EFB201	Australian Financial Markets	12	3
Year 5, Semester 2			
AYB325	Taxation Law	12	3
EFB312	International Finance & Economics	12	3
Year 6, Semester 1			
AYB311	Financial Accounting Theory	12	3
	OR		
AYB321	Management Accounting Theory	12	3
EFB311	Financial Institutions Lending	12	3
Year 6, Semester 2			
EFB310	Financial Institutions Control	12	3
AYB301	Auditing	12	3

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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BSB112	Business Technology & Information	12	3
BSB113	Economics	12	3
BSB116	Marketing & International Business	12	3
BSB114	Government, Business & Society	12	3
Year 1, Semester 2			
EFB102	Economics II	12	3
BSB115	Management, People & Organisations	12	3
EFB101	Data Analysis for Business	12	3
BSB110	Accounting	12	4
Year 2, Semester 1			
BSB111	Business Ethics	12	3
EFB211	Firms, Markets & Resources	12	3
EFB202	Business Cycles & Economic Growth	12	3
EFB210	Finance I	12	3
Year 2, Semester 2			
EFB314	International Trade & Economics Competitiveness	12	3
EFB305	Current Economic Policy Challenges	12	3
EFB307	Finance II	12	4
AYB120	Business Law	12	3
Year 3, Semester 1			
EFB201	Australian Financial Markets	12	3
EFB311	Financial Institutions Lending	12	3

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	12	3
	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			Credit Points	Contact Hrs/Wk
Year 1, Semester 1				
BSB112		Business Technology & Information	12	3
BSB115		Management, People & Organisations	12	3
BSB117		Professional Communication & Negotiation	12	3
BSB114		Government, Business & Society	12	3
Year 1, Semester 2				
BSB110		Accounting	12	3
COB217		Writing for the Communication Professions	12	3
COB213		Strategic Speech Communication	12	3
BSB116		Marketing & International Business	12	3
Year 2, Semester 1				
BSB113		Economics	12	3
COB216		Theoretical Perspectives on Communication	12	3
Plus **two** Extended Major units:[5]				
ADV	COB308	Advertising Theory & Practice	12	3
	COB304	Advertising Copywriting	12	3
ORC	COB204	Communication Technology for Organisations	12	3
	COB311	Communication Practice: Interpersonal & Presentational Strategies	12	3
PUR	COB325	Public Relations Theory & Practice	12	3
	COB329	Publicity Methods	12	3
Year 2, Semester 2				
COB203		Communication Research Methods	12	3
BSB111		Business Ethics	12	3
Plus **two** Extended Major units:[5]				
ADV	COB317	Media Planning	12	3
	COB306	Advertising Management	12	3
ORC	COB318	Organisational Communication	12	3
	COB208	Intercultural Communication & Diversity	12	3
PUR	COB327	Publication Management	12	3
	COB326	Public Relations Writing	12	3
Year 3, Semester 1				
COB309		Applied Communication Research	12	3
		Elective 1	12	3
		Elective 2	12	3
Plus **one** Extended Major unit:[5]				
ADV	COB315	Direct Response Advertising	12	3
ORC	COB314	Corporate Writing & Editing	12	3
PUR	COB324	Public Relations Issues & Strategic Planning	12	3

[5] *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

COB310	Communication Issues		12	3
	Elective 3		12	3
	Elective 4		12	3

Plus **one** Extended Major unit:[6]

ADV	COB303	Advertising Campaigns	12	3
ORC	COB313	Consulting for Communication Specialists	12	3
PUR	COB323	Public Relations Campaigns	12	3

Part-Time Course Structure

Year 1, Semester 1

BSB112	Business Technology & Information	12	3
BSB115	Management, People & Organisations	12	3

Year 1, Semester 2

BSB117	Professional Communication & Negotiation	12	3
BSB114	Government, Business & Society	12	3

Year 2, Semester 1

BSB110	Accounting	12	3
COB217	Writing for the Communication Professions	12	3

Year 2, Semester 2

BSB113	Economics	12	3
COB213	Strategic Speech Communication	12	3

Year 3, Semester 1

BSB116	Marketing & International Business	12	3
COB216	Theoretical Perspectives on Communication	12	3

Year 3, Semester 2

Two Extended Major units:[6]

ADV	COB308	Advertising Theory & Practice	12	3
	COB304	Advertising Copywriting	12	3
ORC	COB204	Communication Technology for Organisations	12	3
	COB311	Communication Practice: Interpersonal & Presentational Strategies	12	3
PUR	COB325	Public Relations Theory & Practice	12	3
	COB329	Publicity Methods	12	3

Year 4, Semester 1

COB203	Communication Research Methods	12	3

Plus **one** Extended Major unit:[6]

ADV	COB317	Media Planning	12	3
ORC	COB318	Organisational Communication	12	3
PUR	COB327	Publication Management	12	3

Year 4, Semester 2

BSB111	Business Ethics	12	3

Plus **one** Extended Major unit:[6]

ADV	COB315	Direct Response Advertising	12	3
ORC	COB314	Corporate Writing & Editing	12	3
PUR	COB324	Public Relations Issues & Strategic Planning	12	3

Year 5, Semester 1

	Elective 1	12	3

Plus **one** Extended Major unit:[6]

ADV	COB306	Advertising Management	12	3
ORC	COB208	Intercultural Communication & Diversity	12	3
PUR	COB326	Public Relations Writing	12	3

[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	12	3
	Elective 2	12	3

Year 6, Semester 1

COB310	Communication Issues	12	3

Plus **one** Extended Major unit:[7]

ADV	COB303	Advertising Campaigns	12	3
ORC	COB313	Consulting for Communication Specialists	12	3
PUR	COB323	Public Relations Campaigns	12	3

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

[7] *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

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BSB112	Business Technology & Information	12	3
BSB113	Economics	12	3
BSB116	Marketing & International Business	12	3
EFB101	Data Analysis for Business	12	3
Year 1, Semester 2			
EFB102	Economics II	12	3
BSB115	Management, People & Organisations	12	3
BSB110	Accounting	12	3
BSB114	Government, Business & Society	12	3
Year 2, Semester 1			
BSB111	Business Ethics	12	3

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

		Credit Points	Contact Hrs/Wk
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
EFB101	Data Analysis for Business	12	3
Year 2, Semester 2			
BSB110	Accounting	12	3
BSB114	Government, Business & Society	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
	Elective	12	
Year 4, Semester 2			
	Elective	12	
BSB117	Professional Communication & Negotiation	12	3
Year 5, Semester 1			
EFB303	Advanced Microeconomics @	12	3
EFB302	Advanced Macroeconomics @	12	3
Year 5, Semester 2			
EFB317	Microeconomic Reform @	12	3
EFB313	International Macroeconomics @	12	3

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.

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BSB112	Business Technology & Information	12	3
BSB113	Economics	12	3
BSB116	Marketing & International Business	12	3
EFB101	Data Analysis for Business	12	3
Year 1, Semester 2			
EFB102	Economics II	12	3
BSB110	Accounting	12	3
BSB115	Management, People & Organisations	12	3
BSB114	Government, Business & Society	12	3
Year 2, Semester 1			
EFB211	Firms, Markets & Resources	12	3
EFB202	Business Cycles & Economic Growth	12	3
EFB210	Finance I	12	4
	Elective	12	
Year 2, Semester 2			
BSB111	Business Ethics	12	3
EFB307	Finance II	12	4
BSB117	Professional Communication & Negotiation	12	3
	Elective	12	
Year 3, Semester 1			
EFB311	Financial Institutions Lending	12	3
EFB201	Australian Financial Markets	12	3
	Elective	12	
	Elective	12	
Year 3, Semester 2			
EFB312	International Finance	12	3
EFB310	Financial Institutions Control	12	3
EFB305	Current Economic Policy Challenges	12	3
EFB314	International Trade & Economic Competitiveness	12	3

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

EFB100 Australian Economic History +
EFB200 Applied Regression Analysis
EFB203 Business Forecasting
EFB204 Comparative Economic Systems +
EFB205 Comparative Financial Systems
EFB207 Development of Economic Thought +
EFB209 Environmental Economics: Issues & Policy +
EFB201 Australian Financial Markets
EFB212 International Trade & Finance +
EFB213 Introduction to Analytical Techniques for Business
EFB214 Mathematical Economic Applications
EFB215 Monetary Theory & Policy +
EFB216 Special Topic – Economic +
EFB217 Transport & Communication Economics +
EFB301 Advanced Lending
EFB302 Advanced Macroeconomics +
EFB303 Advanced Microeconomics +
EFB304 Applied Econometric Techniques
EFB305 Current Economic Policy Challenges +
EFB306 Economic Model Building
EFB307 Finance II
EFB308 Finance III
EFB309 Financial Derivatives
EFB310 Financial Institutions – Control
EFB311 Financial Institutions – Lending
EFB312 International Finance & Economics
EFB314 International Trade & Economic Competitiveness +
EFB315 Issues in Finance
EFB316 Labour Economics
EFB318 Portfolio & Security Analysis
EFB319 Public Sector Economics

+ 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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BSB115	Management, People & Organisations	12	3
BSB114	Government, Business & Society	12	3
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
MGB328	Work & Performance	12	3
MGB201	Employment Regulation & Administration@	12	3
Year 2, Semester 2			
BSB111	Business Ethics	12	3
MGB217	Training & Development I	12	3
MGB320	Recruitment & Selection I	12	3
MGB315	Personal & Professional Development@	12	3
Year 3, Semester 1			
MGB300	Advanced Organisational Behaviour@	12	3
	Elective	12	
	Elective	12	
Plus **one** unit from:			
MGB304	Human Resource Planning & Information Systems@	12	3
MGB321	Recruitment & Selection II@	12	3
MGB322	Remuneration Management@	12	3
MGB314	Organisational Consulting & Counselling@	12	3
Year 3, Semester 2			
MGB305	Human Resource Management Strategy & Policy@	12	3
	Elective	12	
	Elective	12	
Plus **one** unit from:			
MGB325	Training & Development II@	12	3
MGB307	International Human Resource Management@	12	3
MGB202	Equity at Work@	12	3
MGB313	Organisational Change & Development@	12	3

@ These units comprise the extended major in Human Resource Management.

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			
MGB328	Work & Performance	12	3
MGB201	Employment Regulation & Administration@	12	3
Year 4, Semester 2			
MGB320	Recruitment & Selection I	12	3
MGB315	Personal & Professional Development@	12	3
Year 5, Semester 1			
MGB300	Advanced Organisational Behaviour@	12	3
	Elective	12	
Year 5, Semester 2			
	Elective	12	
	Elective	12	
Year 6, Semester 1			
	Elective	12	
Plus **one** unit from:			
MGB304	Human Resource Planning & Information Systems@	12	3
MGB321	Recruitment & Selection II@	12	3
MGB322	Remuneration Management@	12	3
MGB314	Organisational Consulting & Counselling@	12	3
Year 6, Semester 2			
MGB305	Human Resource Management Strategy & Policy@	12	3
Plus **one** unit from:			
MGB325	Training & Development II@	12	3
MGB307	International Human Resource Management@	12	3
MGB202	Equity at Work@	12	3
MGB313	Organisational Change & Development@	12	3

@ 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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BSB115	Management, People & Organisations	12	3
BSB114	Government, Business & Society	12	3
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
MGB328	Work & Performance	12	3
MGB201	Employment Regulation & Administration@	12	3
Year 2, Semester 2			
BSB111	Business Ethics	12	3
MGB217	Training & Development I	12	3
MGB320	Recruitment & Selection I	12	3
MGB204	Industrial Relations@	12	3
Year 3, Semester 1			
MGB219	Work & Society@	12	3
MGB312	Negotiation & Collective Bargaining@	12	3
	Elective	12	
Plus **one** unit from:			
MGB209	Occupational Health & Safety Management@*	12	3
MGB327	Wages & Employment@*	12	3
	Elective**	12	
Year 3, Semester 2			
MGB329	Workplace Industrial Relations@	12	3
	Elective	12	
	Elective	12	
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

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			
MGB328	Work & Performance	12	3
MGB201	Employment Regulation & Administration@	12	3
Year 4, Semester 2			
MGB320	Recruitment & Selection I	12	3
MGB204	Industrial Relations@	12	3
Year 5, Semester 1			
MGB219	Work & Society@	12	3
MGB312	Negotiation & Collective Bargaining@	12	3
Year 5, Semester 2			
MGB329	Workplace Industrial Relations@	12	3
	Elective	12	
Year 6, Semester 1			
	Elective	12	
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).

□ 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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BSB115	Management, People & Organisations	12	3
BSB114	Government, Business & Society	12	3
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
MGB328	Work & Performance	12	3
MGB212	Perspectives on Organisations@	12	3
Year 2, Semester 2			
BSB111	Business Ethics	12	3
MGB217	Training & Development I	12	3
MGB320	Recruitment & Selection I	12	3
MGB326	Understanding Organisations@	12	3
Year 3, Semester 1			
MGB302	Cooperative Organisation@	12	3
MGB314	Organisational Consulting & Counselling@	12	3
	Elective	12	
	Elective	12	
Year 3, Semester 2			
MGB324	The Virtual Organisation@	12	3
MGB313	Organisational Change & Development@	12	3
	Elective	12	
	Elective	12	

@ These units comprise the specialisation in Organisational Futures.

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			
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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BSB115	Management, People & Organisations	12	3
BSB114	Government, Business & Society	12	3
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
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 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

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.

☐ Double Major: Human Resource Management Major and Management Major

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BSB115	Management, People & Organisations	12	3
BSB114	Government, Business & Society	12	3
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	3
Year 2, Semester 2			
BSB111	Business Ethics	12	3
MGB217	Training & Development I	12	3
MGB320	Recruitment & Selection I	12	3
MGB206	Management & Organisation Theory@	12	3
Year 3, Semester 1			
MGB303	Entrepreneurship@	12	3
	One Approved Management Unit@	12	3
	Elective	12	
	Elective	12	
Year 3, Semester 2			
MGB309	Strategic Management@	12	3
MGB203	Government–Management Interface@	12	3
	Elective	12	
	Elective	12	

@ These units comprise the management major for the double 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	12	3
MGB206	Management & Organisation Theory@	12	3
Year 5, Semester 1			
MGB303	Entrepreneurship@	12	3
	Elective	12	
Year 5, Semester 2			
MGB203	Government–Management Interface@	12	3
	Elective	12	
Year 6, Semester 1			
	One approved Management Unit@	12	3
	Elective	12	
Year 6, Semester 2			
MGB309	Strategic Management@	12	3
	Elective	12	

@ 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 followingconcentration 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			
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
	One approved Management Unit	12	3
Human Resource Management			
MGB207	Managing Human Resources	12	3
MGB211	Organisational Behaviour	12	3
MGB315	Personal & Professional Development	12	3
MGB328	Work & Performance	12	3
	One approved HRM Unit	12	3
	One approved HRM Unit	12	3

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	12	3
	One approved HRM Unit	12	3
	One approved HRM Unit	12	3

Industrial Relations

BSB114	Government, Business & Society	12	3
MGB207	Managing Human Resources	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

BSB114	Government, Business & Society	12	3
MGB207	Managing Human Resources	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

BSB115	Management, People & Organisations	12	3
MGB211	Organisational Behaviour	12	3

Plus **four** units from:

MGB302	Cooperative Organisations	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

☐ 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		**Credit Points**	**Contact Hrs/Wk**
OPTION ONE: NO LANGUAGES			
Year 1, Semester 1			
BSB113	Economics	12	3
BSB116	Marketing & International Business	12	3
BSB115	Management, People & Organisations	12	3
BSB117	Professional Communication & Negotiation	12	3
Year 1, Semester 2			
MIB202	Business & the World Economy	12	3
BSB112	Business Technology & Information	12	3
MIB211	Globalisation & Business	12	3
BSB114	Government, Business & Society	12	3
Year 2, Semester 1			
BSB111	Business Ethics	12	3
BSB110	Accounting	12	3
MIB203	Comparative Regulatory Systems	12	3
	Extended Major/Specialisation/Elective	12	3
Year 2, Semester 2			
BSB300	Management, the Firm & International Business	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
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
Year 3, Semester 2			
	Area Study 2	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

Part-Time Course Structure

Year 1, Semester 1			
BSB116	Marketing & International Business	12	3
BSB114	Government, Business & Society	12	3
Year 1, Semester 2			
BSB115	Management, People & Organisations	12	3
BSB110	Accounting	12	3

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
	Double Major/Extended Major/Specialisation/Elective	12	3

Year 5, Semester 2

	Double Major/Extended Major/Specialisation/Elective	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

	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

	Area Study 2	12	3
	Double Major/Extended Major/Specialisation/Elective	12	3

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.

MIB200	Asian Business Development (S1)	12	3
MIB317	Contemporary Business in Asia (S2)	12	3
MIB208	European Business Development (S1)	12	3
MIB300	Contemporary Business in Europe (S2)	12	3
MIB219	North American Business Development (S1)	12	3
MIB301	Contemporary Business in North America (S2)	12	3

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

HUB656 Indonesian Language & Culture 5
HUB657 Indonesian Language & Culture 6

JAPANESE

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

GERMAN

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)	12	3
MIB314	Strategic Business Analysis (S2)	12	3
MIB203	Comparative Regulatory Systems (S1)	12	3
	OR, for International Business students only,		
MIB213	International Marketing (S1)	12	3

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)	12	3
MIB317	Contemporary Business in Asia (S2)	12	3
MIB205	Cross Cultural Communication & Negotiation (S2)	12	3

MIB208	European Business Development (S1)	12	3
MIB300	Contemporary Business in Europe (S2)	12	3
MIB205	Cross Cultural Communication & Negotiation (S2)	12	3
MIB219	North American Business Development (S1)	12	3
MIB301	Contemporary Business in North America (S2)	12	3
MIB205	Cross Cultural Communication & Negotiation (S2)	12	3
MIB225	Tourism (S1)	12	3
MIB316	Tourism Development (S2)	12	3
MIB226	Tourism Marketing (S2)	12	3
MIB311	Services Marketing (S1)	12	3
MIB221	Retail Industry (S1)	12	3
MIB310	Retail Marketing (S1)	12	3
MIB227	Transport & Communications Economics (S1)	12	3
MIB215	Marketing Logistics (S1)	12	3
MIB303	International Logistics (S2)	12	3
MIB222	Sport & Recreation Industries (S1)	12	3
MIB214	Management of Sport & Recreation (S2)	12	3
MIB218	Marketing Sport and Recreation (S2)	12	3
MIB223	Technology & International Business (S1)	12	3
MIB207	Economics of Information (S2)	12	3
	AND		
MIB224	Technology & Marketing (S2)	12	3
	OR		
MIB307	Product Innovation and Market Development (S2)	12	3
MIB302	Cultural Industries Analysis (S1)	12	3
MIB209	Events Marketing (S2)	12	3
MIB226	Tourism Marketing (S2)	12	3

□ 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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
BSB115	Management, People & Organisations	12	3
BSB114	Government, Business & Society	12	3
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
	Elective	12	
Year 2, Semester 2			
BSB111	Business Ethics	12	3
MGB206	Management & Organisation Theory@	12	3
Plus **two** units from:			
MGB218	Venture Skills@	12	3
MGB311	Managing Change@	12	3
MGB216	Technology Management@	12	3
Year 3, Semester 1			
MGB303	Entrepreneurship	12	3
	Elective	12	
Plus **two** units from:			
MGB323	Small Business Management@	12	3
BSB300	Management, The Firm & International Business@	12	3
MGB319	Quality Management@	12	3
Year 3, Semester 2			
MGB309	Strategic Management	12	3
MGB203	Government–Management Interface@	12	3
	Elective	12	
	Elective	12	

@ These units comprise the Extended Major in Management.

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
MGB206	Management & Organisation Theory@	12	3
Year 4, Semester 1			
MGB210	Operations, Production & Service Management	12	3
	Elective	12	
Year 4, Semester 2			
Two units from:			
MGB218	Venture Skills@	12	3
MGB311	Managing Change@	12	3
MGB216	Technology Management@	12	3
Year 5, Semester 1			
Two units from:			
MGB323	Small Business Management@	12	3
BSB300	Management, The Firm & International Business@	12	3
MGB319	Quality Management@	12	3
Year 5, Semester 2			
MGB203	Government–Management Interface@	12	3
	Elective	12	
Year 6, Semester 1			
MGB303	Entrepreneurship	12	3
	Elective	12	
Year 6, Semester 2			
MGB309	Strategic Management	12	3
	Elective	12	

@ These units comprise the Extended Major in Management.

☐ 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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BSB115	Management, People & Organisations	12	3
BSB114	Government, Business & Society	12	3
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
MGB201	Employment Regulation & Administration@	12	3

Year 2, Semester 2

BSB111	Business Ethics	12	3
MGB204	Industrial Relations@	12	3
	Elective	12	
	Elective	12	

Year 3, Semester 1

MGB303	Entrepreneurship	12	3
MGB219	Work & Society@	12	3
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 3, Semester 2

MGB309	Strategic Management	12	3
MGB329	Workplace Industrial Relations@	12	3
	Elective	12	

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

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
	Elective	12	

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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BSB115	Management, People & Organisations	12	3
BSB114	Government, Business & Society	12	3
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
MGB212	Perspectives on Organisations@	12	3

Year 2, Semester 2

BSB111	Business Ethics	12	3
MGB326	Understanding Organisations@	12	3
	Elective	12	
	Elective	12	

Year 3, Semester 1

MGB303	Entrepreneurship	12	3
MGB302	Cooperative Organisation@	12	3
MGB314	Organisational Consulting & Counselling@	12	3
	Elective	12	

Year 3, Semester 2

MGB309	Strategic Management	12	3
MGB324	The Virtual Organisation@	12	3
MGB313	Organisational Change & Development@	12	3
	Elective	12	

@ These units comprise the Specialisation in Organisational Futures.

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
	Elective	12	

Year 4, Semester 1

MGB210	Operations, Production & Service Management	12	3
MGB212	Perspectives on Organisations@	12	3

Year 4, Semester 2

MGB326	Understanding Organisations@	12	3
	Elective	12	

Year 5, Semester 1

MGB314	Organisational Consulting & Counselling@	12	3
	Elective	12	

Year 5, Semester 2

MGB313	Organisational Change & Development@	12	3
	Elective	12	

Year 6, Semester 1			
MGB303	Entrepreneurship	12	3
MGB302	Cooperative Organisation[@]	12	3
Year 6, Semester 2			
MGB309	Strategic Management	12	3
MGB324	The Virtual Organisation[@]	12	3

[@] These units comprise the Specialisation in Organisational Futures.

☐ 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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BSB115	Management, People & Organisations	12	3
BSB114	Government, Business & Society	12	3
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
MGB205	Machinery of Government[@]	12	3
Year 2, Semester 2			
BSB111	Business Ethics	12	3
MGB203	Government–Management Interface[@]	12	3
MGB213	Public Sector Management[@]	12	3
	Elective	12	
Year 3, Semester 1			
MGB303	Entrepreneurship	12	3
MGB318	Public Policy[@]	12	3
MGB317	Political & Administrative Analysis[@]	12	3
	Elective	12	

Year 3, Semester 2

MGB309	Strategic 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 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
	Elective	12	

Year 4, Semester 1

MGB210	Operations, Production & Service Management	12	3
MGB205	Machinery of Government@	12	3

Year 4, Semester 2

MGB203	Government–Management Interface@	12	3
	Elective	12	

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

MGB303	Entrepreneurship	12	3
MGB317	Political & Administrative Analysis@	12	3

Year 6, Semester 2

MGB309	Strategic Management	12	3
MGB316	Policy Implementation & Evaluation@	12	3

@ These units comprise the Specialisation in Public Sector Management.

☐ Double Major: Management Major and Human Resource Management Major

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BSB115	Management, People & Organisations	12	3
BSB114	Government, Business & Society	12	3

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[@]	12	3
	Elective	12	
Year 5, Semester 1			
	One approved HRM unit[@]	12	3
	Elective	12	
Year 5, Semester 2			
MGB315	Personal & Professional Development[@]	12	3
	One approved HRM unit[@]	12	3
Year 6, Semester 1			
MGB303	Entrepreneurship	12	3
	Elective	12	
Year 6, Semester 2			
MGB309	Strategic Management	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.

☐ 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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BSB117	Professional Communication & Negotiation	12	3
BSB114	Government, Business & Society	12	3
BSB116	Marketing & International Business	12	3
BSB115	Management, People & Organisations	12	3

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.

Unit Title		**Unit Level**
MIB311	Services Marketing (S1)	3
MIB215	Marketing Logistics (S1)	2
MIB307	Product Innovation & Market Development (S2)	3
MIB224	Technology & Marketing (S2)	2
MIB220	Organisational Markets (Business to Business Marketing)(S2)	2
MIB216	Marketing Decision Making (S2)	2
MIB226	Tourism Marketing (S2)	2
MIB310	Retail Marketing (S1)	3
MIB303	International Logistics (S2)	3
MIB210	Export Management (S1)	2
MIB308	Professional Marketing Practice (S1)	3
MIB309	Promotional Strategy (S2)	3

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.

FACULTY OF EDUCATION

Courses

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 IIA, 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 retum 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[1]

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.

[1] *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[2]
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:

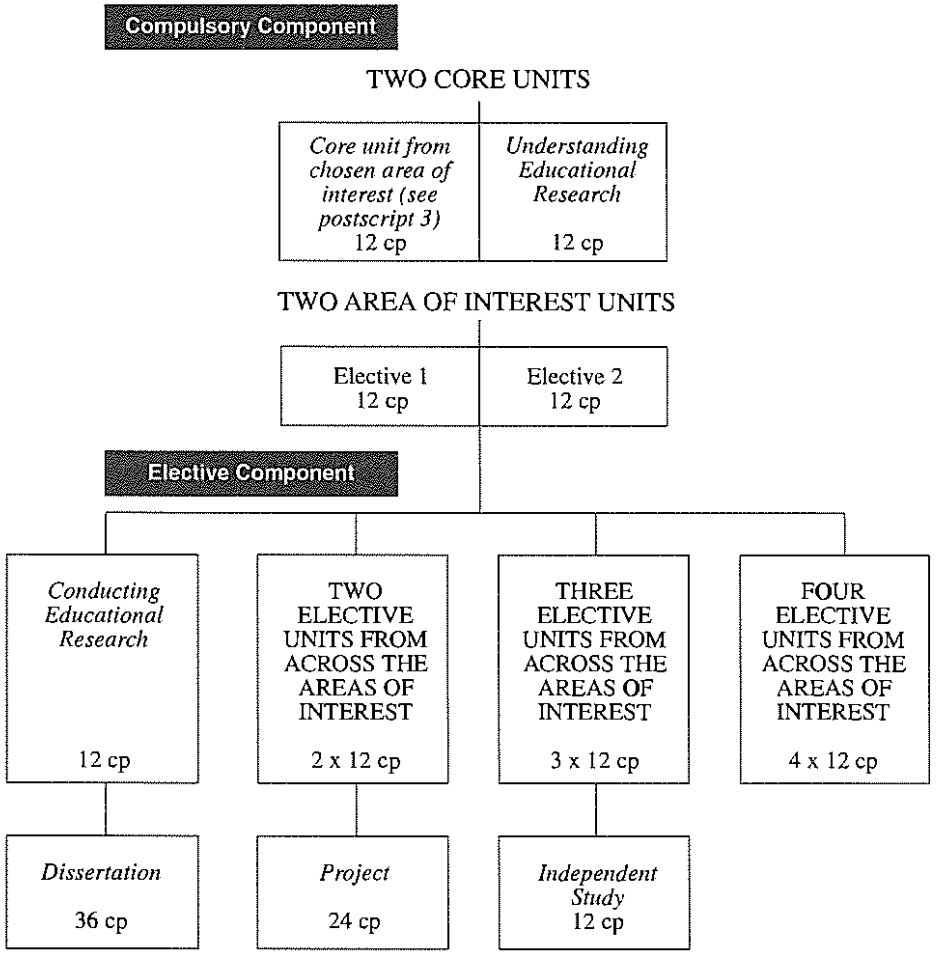
Option 1: students undertake EDN612 Conducting Educational Research and the 36 Credit Point Dissertation, or

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 theAreas 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.*



(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.

EDN620/1	36 Credit Point Dissertation Stage 1	12
EDN620/2	36 Credit Point Dissertation Stage 2	12
EDN620/3	36 Credit Point Dissertation Stage 3	12
EDN608/1	24 Credit Point Project Stage 1	12
EDN608/2	24 Credit Point Project Stage 2	12
EDN603	Independent Study	12
EDN602	Advanced Seminars	12
EDN612	Conducting Educational Research	12

Area of Interest Units

LIST A: ADULT AND WORKPLACE EDUCATION (ADW)

CUN605	Adult & Workplace Education: Principles & Practices[3]	12
LAN611	Adult & Workplace Literacy & Numeracy	12
LEN608	Foundations of Adult Learning & Development	12
SBN608	Strategies for Business Educators & Trainers	12

LIST B: BUSINESS EDUCATION AND TRAINING (BUE)

SBN607	Business Administration Communications Education	12
SBN608	Strategies for Business Educators & Trainers	12
SBN609	Strategies in Accounting & Business Management Education	12
SBN610	Trends & Issues in Business Education & Training[3]	12

LIST C: EARLY CHILDHOOD EDUCATION (ECE)

EAN601	Early Childhood Teachers' Knowledge in Action[3]	12
EAN602	Early Childhood Services & Policies	12
EAN603	Development in Early Childhood Contexts	12
EAN604	Young Children, Families & Community	12

LIST D: HOME ECONOMICS (HEC)

PUN623	Home Economics, the Family & the Politics of Feminism	12
PUN625	Home Economics Philosophical Foundations[3]	12

LIST E: LANGUAGE AND LITERACY EDUCATION (LLE)

LAN609	Issues in Language & Literacy Teaching[3]	12
LAN611	Adult & Workplace Literacy & Numeracy	12
LAN621	Textual & Cultural Studies for English Education	12
LAN622	Functional Grammar & Discourse	12

LIST F: LEADERSHIP AND MANAGEMENT (LEM)

CPN603	Changing Agendas in Leadership Education[3]	12
CPN604	Equity & Education Management Issues & Strategies	12
CPN605	Organisational Cultures & Education Leadership	12
CPN606	Educational Leadership, Power & Careers	12
EAN605	Education Management Processes & Strategies	12
EAN606	Managing Education Personnel	12

LIST G: LEARNING SUPPORT AND INCLUSIVE EDUCATION (LSI)

LEN605	Learners with Special Needs: Programming for Inclusive Education[3]	12
LEN606	Remediating of Learning Difficulties	12

[3] *This unit is a core unit for the Area of Interest.*

CPN611	Policies & Practices for Inclusive Education	12
EAN607	Consultation & Teamwork	12

LIST H: MATHEMATICS/ SCIENCE/ COMPUTING EDUCATION (MSC)

MDN615	Curriculum Studies in Mathematics, Science or Technology Education[4]	12
MDN616	Pedagogy in Mathematics, Science or Technology Education	12
MDN619	Technologically Supported Learning & Teaching Environments	12
MDN620	Student Evaluation in Mathematics, Science, Technology Education: Assessment & Intervention	12
MDN621	Mathematical & Scientific Reasoning	12

LIST I: POLICY (POL)

CPN607	Global Change, Diversity in Education	12
CPN608	Gender Equity & Education Policy	12
CPN609	Policy for Practitioners [4]	12
CPN610	Youth Policies & Post-Compulsory Education	12

LIST J: PROFESSIONAL GROWTH AND CURRICULUM LEADERSHIP (PSC)

CUN601	Curriculum Inquiry & Research[4]	12
CUN602	Professional Growth & Development	12
CUN603	Leading Change in Contemporary Professional Practice	12
CUN606	Achieving Quality in Educational Contexts	12

LIST K: SCHOOL GUIDANCE AND COUNSELLING (SGC)

LEN602	Advanced Educational Counselling[4]	12
LEN603	Educational Counselling Professional Practice	12
LEN604	Psychoeducational Assessment	12
LEN607	Career Education & Career Guidance	12

LIST L: SOCIAL AND ENVIRONMENTAL EDUCATION (SEE)

SBN603	Critical Approaches in Social & Environmental Education[4]	12
SBN604	Environmental Education & Interpretation	12
SBN605	Curriculum Issues in Social & Environmental Education	12
SBN606	Issues in Environment Education and Interpretation	12

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 1) or EDN608/1 24 credit points Project (Stage 1) 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.

(iii) 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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
EDN611	Understanding Educational Research	12	3
LAN608	Second Language Acquisition	12	3
LAN612	Principles of Second Language Methodology	12	3
LAN613	Second Language Curriculum Design Options	12	3
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	
	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.

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

MODE	YEAR 1		YEAR 2	
	Semester 1	Semester 2	Semester 1	Semester 2
Secondary Computer Studies	MDP532 Computer Systems in an Education Context MDP537 Major Issues in Computer Education	MDP503 Information Systems in Education MDP535 Educational Software Development	MDP533 Teaching Information System Modelling MDP507 Teaching Secondary Computer Studies	MDP506 Computer Education Project MDP534 Educational Applications of Artificial Intelligence
Secondary General	MDP530 Computer Applications in Education MDP537 Major Issues in Computer Education	MDP503 Information Systems in Educatiun MDP531 Investigations into Computer Aided Learning	MDP532 Computer Systems in an Educational Context MDP536 Computer Graphics in Teaching	MDP506 Computer Education Project MDP504 School Administration Using Information Technologies
Primary	MDP530 Computer Applications in Education MDP537 Major Issues in Computer Education	MDP503 Information Systems in Education MDP508 Computer Use in the Primary Curriculum	MDP532 Computer Systems in an Educational Context MDP536 Computer Graphics in Teaching	MDP506 Computer Education Project MDP504 School Administration Using Information Technologies
TAFE	MDP532 Computer Systems in an Educational Context MDP530 Computer Applications in Education	MDP503 Information Systems in Education MDP535 Educational Software Development	MDP537 Major Issues in Computer Education AND EITHER MDP536 Computer Graphics in Teaching OR MDP583 Teaching Information System Modelling	MDP506 Computer Education Project MDP531 Investigations into Computer Aided Learning

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		**Credit Points**	**Contact Hrs/Wk**
MDP532	Computer Systems in an Educational Context (core)	12	3
MDP537	Major Issues in Computer Education (core)	12	3
List A: Elective Units			
MDP507	Teaching Secondary Computer Studies	12	3
MDP530	Computer Applications in Education	12	3
MDP533	Teaching Information Systems Modelling	12	3
MDP536	Computer Graphics in Teaching	12	3
The following units are scheduled in Semester 2			
MDP503	Information Systems in Education (core)	12	3
MDP506	Computer Education Project (core)	12	3

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)			
MDP504	School Administration using Information Technology	12	3
MDP508	Computer Use in the Primary Curriculum	12	3
MDP531	Investigations into Computer Aided Learning	12	3
MDP534	Educational Applications of Artificial Intelligence	12	3
MDP535	Educational Software Development	12	3

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 Discontiuued: 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		Credit Points
Year 1, Semester 1		
EAP528	Change in Children Birth to Age Eight	12
EAP529/1	Early Childhood Education 1 & 2	6
Year 1, Semester 2		
EAP529/2	Early Childhood Education 1 & 2	6
EAP530	The Context of Early Childhood Education	12
EDP508	Practicum in Early Childhood 1[5]	6
Summer School		
EDP508	Practicum in Early Childhood 1[5]	6
Year 2, Semester 1		
EAP526	Early Childhood Education 3	12
EAP531	Research in Early Childhood	12
Year 2, Semester 2		
EAP525	Early Childhood Program Planning	12
EAP532	Transactions in Early Childhood Education	12
EDP509	Practicum in Early Childhood 2[5]	6
Summer School		
EDP509	Practicum in Early Childhood 2[5]	6

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.

[5] *EDP508 Practicum in Early Childhood 1 and EDP509 Practicum in Early Childhood 2 are offered in Semester 2or 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.

		Credit Points	Contact Hrs/Wk
Part-Time Course Structure (Internal)			
Year 1, Semester 1			
EAP512	Policies & Practices in Educational Management	12	3
MGN409	Introduction to Management	12	3
Year 1, Semester 2			
EAP513	Educational Services Management	12	3
	Elective Unit selected from Lists A–C	12	3
Year 2, Semester 1			
BSB110	Accounting	12	3
	Elective Unit selected from Lists A–C	12	3
Year 2, Semester 2			
EDP514	Field Project	12	
	Elective Unit selected from Lists A–C	12	3
	OR		
EDP516	Extended Field Project[6]	24	

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)			
CUB444	Educators & the Law	12	3
EAP515	Human Resource Management in Education	12	3
EDB440	Independent Study[7]	12	
LEB480	Research Methods in Education	12	3
List B: Business Elective Units (Faculty of Business)			
MGB323	Small Business Management	12	3
MGN412	People in Organisations	12	3
BSB116	Marketing & International Business	12	3

[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)

CUB444	Educators & the Law	12	3
EAB440	Working with Parents & the Community	12	3
EAP500	Early Childhood Leadership & Advocacy	12	3
EDB440	Independent Study[8]	12	
LEB480	Research Methods in Education	12	3

List B: Business Elective Units (Faculty of Business)

MGB303	Entrepreneurship	12	3
MGB323	Small Business Management (Gardens Point)	12	3
MGN410	Labour–Management Relations (Gardens Point)	12	3

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.

		Credit Points
Year 1, Semester 1		
EAP512	Policies & Practices in Educational Management	12
EAP518	Managing the Curriculum	12
Year 1, Semester 2		
EAP513	Educational Services Management	12
	Elective Unit selected from List D	12
Year 2, Semester 1		
EAP515	Human Resource Management in Education	12
SBP517	Financial Management in Education Settings	12
Year 2, Semester 2		
EDP514	Field Project and	12
	Elective Unit selected from List D	12
	OR	
EDP516	Extended Field Project	24

List D: Electives

Choose 1 or 2 of the following:

EAB440	Working with Parents & the Community	12
EAP500	Early Childhood Leadership & Advocacy	12
EDB440	Independent Study (Guide available from Faculty of Education)	12
	One other elective to be negotiated (available externally)	

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

[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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
LEB480	Research Methods in Education	12	3
LEP523	Learners with Special Needs	12	3
LEP525	Remediating Learning Difficulties	12	3
MDP529	Assessment & Remediation in Mathematics	12	3
Year 1, Semester 2			
CPP501	Socio-cultural Issues in Education	12	3
CUP503	Curriculum: Learners with Special Needs	12	3
LEP524	Developing Relationships & Groups	12	3
LEP526	Study Skills, Literacy & Learning	12	3

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 aud 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.

Year 1, Semester 1			
LEP525	Remediating Learning Difficulties	12	3
MDP529	Assessment & Remediation in Mathematics	12	3
Year 1, Semester 2			
LEP524	Developing Relationships & Groups	12	3
LEP526	Study Skills, Literacy & Learning	12	3
Year 2, Semester 1			
LEB480	Research Methods in Education	12	3
LEP523	Learners with Special Needs	12	3
Year 2, Semester 2			
CPP501	Socio-cultural Issues in Education	12	3
CUP503	Curriculum: Learners with Special Needs	12	3

■ 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**			**Credit Points**	**Contact Hrs/Wk**
The course comprises six core units and two elective units.				
Semester 1				
Core Units				
LAP501	Foundations of Teacher-Librarianship		12	3 (Evening), External
LAP502	Curriculum & Related Resources		12	3 External
LAP503	Literature & Literacy: Resources & Strategies		12	3 (Evening), External
LAP504	School Library Resources: Organisation & Access		12	3 External
LAP505	Communication & Management in School Library Resource Centres (Prerequisite LAP501)		12	External
LAP506	Information Services for Schools (Prerequisite LAP502)		12	External
Elective Units				
ISP811	Books & Publishing	(List A)	12	External
LAP507	Australian Literature for Young People		12	External
LAP509	Directed Study	(List C)	12	–
LAP515	Resource Services for Special Needs	(List A)	12	External
Semester 2				
Core Units				
LAP501	Foundations of Teacher-Librarianship		12	External
LAP502	Curriculum & Related Resources		12	3 (Evening), External
LAP503	Literature & Literacy: Resources & Strategies		12	3 External
LAP504	School Library Resources: Organisation & Access		12	External
LAP505	Communication & Management in School Library Resource Centres (Prerequisite LAP501)		12	External
LAP506	Information Services for Schools (Prerequisite LAP502)		12	External
Elective Units				
ISP811	Books & Publishing	(List A)	12	External
LAP509	Directed Study	(List C)	12	–
LAP512	Literature for Young People	(List A)	12	External
LAP517	Storytelling		12	
LAP518	Visual Literacy & Resource Design	(List B)	12	External

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	3 or External
LAP517	Storytelling	12	3
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.

EARLY CHILDHOOD – ED35

Year 1, Semester 1

		Credit Points	Contact Hrs/Wk
CPP411/1	Understanding Education in Contemporary Australia	6	3
EAP411	Creativity & Language 1	12	4
EAP412	Thinking & Problem Solving 1	12	4
EAP413	Program Planning & Teaching Strategies 1	12	3
LEP413/1	Human Development & Learning	6	3

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

CPP411/2	Understanding Education in Contemporary Australia	6	3
EAP416	Creativity & Language 2	12	4
EAP417	Thinking & Problem Solving 2	12	4
EAP418	Program Planning & Teaching Strategies 2	12	3
LEP413/2	Human Development & Learning	6	3

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

CPP411/1	Understanding Education in Contemporary Australia	6	3
CUP420	Professional & Curriculum Studies 1	12	3
LAP440	Language & Literacy 1	12	3
LEP413/1	Human Development & Learning	6	3
MDP450	Mathematics, Science & Technology 1	12	3

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

CPP411/2	Understanding Education in Contemporary Australia	6	3
CUP421	Professional & Curriculum Studies 2	12	3
LAP441	Language & Literacy 2	12	3
LEP413/2	Human Development & Learning	6	3
MDP451	Mathematics, Science & Technology 2	12	3

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 5 week block session

SECONDARY – ED37

Year 1, Semester 1

CPP411/1	Understanding Education in Contemporary Australia	6	3
CUP405	Teaching Studies (to be taken in association with Curriculum major)	12	3
LEP413/1	Human Development & Learning	6	3
	Curriculum Studies 1A Unit	12	3
	Curriculum Studies 1B Unit	12	3

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

CPP411/2	Understanding Education in Contemporary Australia	6	3
LEP413/2	Human Development & Learning	6	3
	Curriculum Studies 2A Unit	12	3
	Curriculum Studies 2B Unit	12	3
	Career Elective Unit	12	3

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

CUP406/1	Teaching Studies (to be taken in association with Curriculum major)	6	3
LEP413/1	Human Development & Learning	6	3
	Curriculum Studies 1A Unit	12	3

Year 1, Semester 2

CUP406/2	Teaching Studies (to be taken in association with Curriculum major)	6	3
LEP413/2	Human Development & Learning	6	3
	Curriculum Studies 1B or 2A Unit	12	3

Graduate Diploma in Education (Pre-service) Course Structure

STRAND	AREA OF STUDY						TOTAL
	EARLY CHILDHOOD		PRIMARY		SECONDARY		
	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
EDUCATION STUDIES	Understanding Education in Contemporary Australia (12) Human Development & Learning (12)		Understanding Education in Contemporary Australia (12) Human Development & Learning (12)		Understanding Education in Contemporary Australia (12) Human Development & Learning (12)		24
PROFESSIONAL PRACTICE	Field Experience (1 week) Practice Teaching (4 weeks)	Practice Teaching (6 weeks)	Field Experience (1 week) Practice Teaching (4 weeks)	Practice Teaching (6 weeks)	Practice Teaching (5 weeks) Field Experience (1 week)	Practice Teaching (6 weeks)	
CURRICULUM STUDIES	Creativity & Language 1 (12) Thinking & Problem Solving 1 (12) Program Planning & Teaching Strategies 1 (12)	Creativity & Language 2 (12) Thinking & Problem Solving 2 (12) Program Planning & Teaching Strategies 2 (12)	Language & Literacy 1 (12) Maths, Science & Technology 1 (12) Professional & Curriculum Studies 1 (12)	Language & Literacy 2 (12) Maths, Science & Technology 2 (12) Professional & Curriculum Studies 2 (12)	Curriculum Studies Unit 1A (12) Curriculum Studies Unit 1B (12) Teaching Studies (12)	Curriculum Studies Unit 2A (12) Curriculum Studies Unit 2B (12) Career Elective Unit (12)	72
TOTAL	48	48	48	48	48	48	96

Year 2, Semester 1

CPP412	Understanding Education in Contemporary Australia	12	3
	Curriculum Studies 2A or 1B Unit	12	3

Year 2, Semester 2

	Curriculum Studies 2B Unit	12	3
	Career Elective Unit	12	3

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	12	3
LAP403	LOTE Curriculum Studies 1[9]	12	3
SBP401	Accounting Curriculum Studies 1	12	3
GROUP 2			
AAP421	Dance Curriculum Studies 1	12	3
AAP434	Music Curriculum Studies 1A	12	3
MDP407	Senior Science Curriculum Studies 1	12	3
SBP403	Economics Curriculum Studies 1	12	3
GROUP 3			
AAP424	Visual Arts Curriculum Studies 1	12	3
LAP409	Primary LOTE Curriculum Studies 1[10]	12	3
MDP403	Mathematics Curriculum Studies 1	12	3
SBP409	Legal Studies Curriculum Studies 1	12	3
GROUP 4			
AAP423	Music Curriculum Studies 1	12	3
HMP401	Physical Education Curriculum Studies 1	12	3
PUP430	Home Economics Curriculum Studies 1	12	3
SBP407	History Curriculum Studies 1	12	3
GROUP 5			
LAP405	Film & Media Curriculum Studies 1	12	3
LAP407	English as a Second Language Curriculum Studies 1[10]	12	3
MDP405	Computer Education Curriculum Studies 1	12	3
SBP405	Geography Curriculum Studies 1	12	3
GROUP 6			
HMP403	Health Education Curriculum Studies 1[10]	12	3
LAP401	English Curriculum Studies 1	12	3
MDP401	Junior Science Curriculum Studies 1	12	3
SBP411	Office Communications Technology Curriculum Studies 1	12	3

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.

		Credit Points	Contact Hrs/Wk
GROUP 1			
AAP430	Drama Curriculum Studies 2	12	3
LAP404	LOTE Curriculum Studies 2	12	3
SBP402	Accounting Curriculum Studies 2	12	3
GROUP 2			
AAP429	Dance Curriculum Studies 2	12	3
AAP433	Music Curriculum Studies 2A	12	3
MDP408	Senior Agriculture Curriculum Studies 2	12	3
MDP409	Senior Biology Curriculum Studies 2	12	3
MDP410	Senior Chemistry Curriculum Studies 2	12	3
MDP411	Senior Earth Science Curriculum Studies 2	12	3
MDP412	Senior Marine Studies Curriculum Studies 2	12	3
MDP413	Senior Physics Curriculum Studies 2	12	3
SBP404	Economics Curriculum Studies 2	12	3
GROUP 3			
AAP432	Visual Arts Curriculum Studies 2	12	3
LAP410	Primary LOTE Curriculum Studies 2	12	3
MDP404	Mathematics Curriculum Studies 2	12	3
SBP410	Legal Studies Curriculum Studies 2	12	3
GROUP 4			
AAP431	Music Curriculum Studies 2	12	3
HMP402	Physical Education Curriculum Studies 2	12	3
PUP431	Home Economics Curriculum Studies 2	12	3
SBP408	History Curriculum Studies 2	12	3
GROUP 5			
LAP406	Film & Media Curriculum Studies 2	12	3
LAP408	English as a Second Language Curriculum Studies 2	12	3
MDP406	Computer Education Curriculum Studies 2	12	3
SBP406	Geography Curriculum Studies 2	12	3
GROUP 6			
HMP404	Health Education Curriculum Studies 2	12	3
LAP402	English Curriculum Studies 2	12	3
MDP402	Junior Science Curriculum Studies 2	12	3
SBP412	Office Communications Technology Curriculum Studies 2	12	3

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[11]	12	

[11] *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.

		Credit Points	Contact Hrs/Wk
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	
EDN611	Understanding Educational Research	12	3
EDN612	Conducting Educational Research	12	3
MDN615	Curriculum Studies in Mathematics, Science or Technology Education	12	3
MDN616	Pedagogy 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]	12	
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.*

MDB447	Mathematics Curriculum	12	3
MDB448	Mathematics Teaching, Learning & Assessment	12	3
MDP529	Assessment & Remediation in Mathematics	12	3

CURRICULUM DEVELOPMENT

Entry requirements: Bachelor of Education ((Inservice) (ED26)

School of Curriculum and Professional Studies

CUB343	Open Learning & Flexible Delivery	12	3
CUB410	Teachers & the Curriculum	12	3
CUB413	Curriculum, Making it Happen at School	12	3
CUB444	Educators & the Law	12	3
EAP518	Managing the Curriculum	12	3

ADVANCED SKILLS TEACHER

Entry requirements: Bachelor of Education ((Inservice) (ED26)

School of Curriculum and Professional Studies

CUB343	Open Learning & Flexible Delivery	12	3
CUB431	Classroom Management: Models & Practice	12	3
CUB433	Teaching Strategies	12	3
CUB443	Classroom Assessment Practices	12	3

EDUCATIONAL COUNSELLING (ED13)

Entry requirements: Master of Education

School of Learning and Development

LEB441	Educational Counselling	12	3
LEN602	Advanced Educational Counselling	12	3
LEN603	Educational Counselling Professional Practice	12	3
LEN607	Career Education & Career Guidance	12	3

EDUCATIONAL MANAGEMENT

Entry requirements: Graduate Diploma in Education (Educational Management) (ED23)

School of Early Childhood

EAP512	Policies & Practices in Educational Management (Core)		
EAP500	Early Childhood Leadership & Advocacy	12	3
EAP513	Educational Services Management	12	3
EAP515	Human Resource Management in Education	12	3
EAP518	Managing the Curriculum	12	3
SBP517	Financial Management in Education Setting	12	3

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)

EDP601	The Reflective Practitioner in Higher Education	12	3
EDP602	Adult Learning & Teaching in Higher Education	12	3
EDP603	Higher Education in Australia: Context & Issues	12	3
EDP604	Program Design & Evaluation in Higher Education	12	3

COMPUTERS IN THE CLASSROOM

Entry requirements: Graduate Diploma in Education (Computer Education) (ED21)

School of Mathematics, Science and Technology Education

MDP506	Computer Education Project	12	3
MDP508	Computer Use in the Primary Curriculum	12	3
MDP530	Computer Applications in Education	12	3
MDP531	Investigations into Computer-aided Learning	12	3
MDP536	Computer Graphics in Teaching	12	3
MDP537	Major Issues in Computer Education	12	3

POLICY

Entry requirements: Master of Education (ED13)

School of Cultural and Policy Studies

CPN607	Global Change, Diversity in Education	12	
CPN608	Gender Equity & Education Policy	12	
CPN610	Youth Policies & Post-compulsory Education	12	
EDN601	Major Issues in Education	12	
EDN611	Understanding Educational Research	12	

EQUITY POLICY

Entry requirements: Bachelor of Education (Inservice) (ED26)

School of Cultural and Policy Studies

CPB442	Education for a Multicultural Society	12	3
CPB443	Comparative & International Education	12	3
CPB444	Issues in Aboriginal Education	12	3
CPB446	Women, Education & Social Change in Australia	12	3

LEADERSHIP

Entry requirements: Master of Education (ED13)

School of Cultural and Policy Studies

CPN603	Changing Agendas in Leadership Education	12	
CPN604	Equity & Education Management Issues & Strategies	12	
CPN605	Organisational Cultures & Education Leadership	12	
CPN606	Educational Leadership, Power & Careers	12	

LEARNING SUPPORT (formerly Resource Teaching)

Entry requirements: Graduate Diploma in Education (Learning Support) (ED28)

School of Learning and Development

LEP523	Learners with Special Needs	12	3
LEP524	Developing Relationships & Groups	12	3
LEP525	Remediating Learning Difficulties	12	3
MDP529	Assessment & Remediation in Mathematics	12	3

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

LAN615	Directed Reading in Second Language Education
LAN616	Language Assessment & Program Evaluation
LAN617	Personalised Language Development
LAN618	Technology & Second Language Learning
LAN619	Discourse Analysis
LAN620	Language & Culture
	Project

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)[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 Childbood) course.

		Credit Points	Contact Hrs/Wk
Year 1, Semester 1 (completed in 1995)			
CPB342	Education in Context	12	3
CUB365	Introduction to Professional Practice	12	3
EAB320	Early Childhood Transactions 1	12	3
MDB302	Mathematics Foundations	12	3
Year 1, Semester 2 (completed in 1995)			
LAB340	Language, Technology & Education	12	3
LEB335	Human Development & Education	12	3
EAB302	Early Childhood Foundations 1	12	3
MDB303	Science Foundations	12	3
Year 2, Semester 1			
CUB350	Early Childhood Practices 1	12	2.5
EAB303	Early Childhood Foundations 2	12	3
EAB309	Integrated Early Childhood Curriculum 1	12	3
EAB308	Early Childhood Sciences, Mathematics & Technology	12	3

[13] *Subject to final appoval.*

Bachelor of Early Childhood Studies

STRAND		YEAR 1		YEAR 2		YEAR 3		TOTAL
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
PROFESSIONAL STUDIES	EDUCATION STUDIES	Education in Context Introduction to Professional Practice	Language, Technology & Education Human Development & Education					48
	PROFESSIONAL PRACTICE	Field Experience (10 days) (tied to Education Studies)	Field Experience (10 days) (tied to Education Studies)	Early Childhood Practices 1 (10 days)	Early Childhood Practices 2 (15 days) (+ 10 day visits)	Early Childhood Practices 3 (Child Care/Pre) (10 days) (+ 10 field days in association with EAB325)	Early Childhood Practices 4 (Child Care/Pre) (15 days) (+ 10 day visits)	48
	CURRICULUM STUDIES		Early Childhood Foundations 1 (10 days field)	Early Childhood Foundations 2 Integrated Early Childhood Curriculum 1 Early Childhood Sciences, Maths & Technology	Early Childhood Language Education 1 Early Childhood Arts 1	Early Childhood Foundations 3 Early Childhood Arts 2	Integrated Early Childhood Curriculum 2	108
DISCIPLINE/ CONTENT STUDIES		Maths Foundations Early Childhood Transactions 1 (10 days field)	Science Foundations		Early Childhood Transactions 2	Management of Early Childhood Services	Integrating Young Children with Disabilities Elective	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

CPB420	Contemporary Issues in Education	12	3
CUB410	Teachers & the Curriculum	12	3

Elective Units

EDB440	Independent Study[14]	12	
EDB442	Integrated Professional Seminars	12	
LEB480	Research Methods in Education	12	3
CULTURAL AND POLICY STUDIES			
CPB422	Philosophy in the Classroom	12	3
CPB423	Society, Social Policy & Education	12	3
CPB424	Sociology of the School	12	3
CPB425	Aesthetic Education	12	3
CPB441	History of Australian Education	12	3
CPB442	Education for a Multicultural Society	12	3

[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.*

CPB443	Comparative & International Education	12	3
CPB444	Issues in Aboriginal Education	12	3
CPB446	Women, Education & Social Change in Australia	12	3
CURRICULUM AND PROFESSIONAL STUDIES			
CUB414	Adult Education	12	3
CUB431	Classroom Management: Models & Practice	12	3
CUB432	Teachers & Isolated Learners	12	3
CUB433	Teaching Strategies	12	3
CUB435	Facilitating Professional Development & Institutional Change	12	3
CUB442	Introduction to Educational Administration	12	3
CUB443	Classroom Assessment Practices	12	3
CUB444	Educators & the Law	12	3
EARLY CHILDHOOD			
EAB410	Early Education: Deciding the Curriculum	12	3
EAB411	Early Education: Literacy	12	3
EAB440	Working with Parents & Community	12	3
EAB441	Early Education Development & Learning	12	3
EAP553	Music in Early Childhood Education	12	3
ARTS IN EARLY CHILDHOOD			
EAP551	Dance Education in Early Childhood	12	3
EAP552	From Play to Drama in Early Childhood Education	12	3
EAP553	Music in Early Childhood Education	12	3
EAP554	The Artistic Process & the Visual Arts in Early Childhood Education	12	3
LANGUAGE AND LITERACY			
LAB410	Language Curriculum Issues	12	3
LAB440	Recent Developments in the Teaching of Writing	12	3
LAB441	Children's Literature	12	3
LAB443	Trends in the Teaching of Reading	12	3
LAB446	Grammar for Writers	12	3
LEARNING AND DEVELOPMENT			
LEB333	Adult Learning & Development	12	3
LEB420	Interpersonal Psychology in Education	12	3
LEB421	Applied Strategies in Classroom Learning	12	3
LEB422	Adult Learning	12	3
LEB430	Creativity in Problem Solving	12	3
LEB431	Interactive Teaching Strategies	12	3
LEB441	Educational Counselling	12	3
LEB443	Human Sexuality & Learning	12	3
LEB444	Human Sexuality & Development	12	3
LEB445	Studies in Alcohol & Other Drugs	12	3
LEB446	Psychoeducational Assessment	12	3
LEB448	Working in Teams	12	3
MATHEMATICS, SCIENCE AND TECHNOLOGY EDUCATION			
MDB410	Computers in the School Curriculum	12	3
MDB411	Early Childhood Mathematics Teaching, Learning & Assessment	12	3
MDB440	Computers & Education	12	3
MDB444	Science Curriculum	12	3
MDB446	Science for Early Childhood	12	3
MDB447	Mathematics Curriculum[15]	12	3
MDB448	Mathematics Teaching, Learning & Assessment	12	3
SOCIAL BUSINESS AND ENVIRONMENTAL EDUCATION			
SBB410	Consumer Education	12	3
SBB440	Environmental Education	12	3
SBB441	Business Organisation & Management Education	12	3
SBP502	Ethics & Economics in Environmental Education	12	3

[15] *Subject to final appoval.*

FACULTY OF ARTS			
ARTS			
AAB410	Art Curriculum Design & Development	12	3
AAB444	Visual Arts of Asia	12	3
AAB447	Drawing	12	3
AAB455	Computer Graphics	12	3
AAB457	Sculpture	12	3
AAB459	Visual Arts Design	12	3
AAB720	Extended Art Practice 1	12	3
AAB721	Extended Art Practice 2	12	3
AAP503	Clay Materials	12	3
AAP505	Fibre	12	3
AAP507	Painting	12	3
AAP509	Photographic Media	12	3
AAP511	Printmaking	12	3
HUMANITIES			
HUB687	Contemporary Moral Problems	12	3
SOCIAL SCIENCE			
SSB802	Technology & Culture	12	3
FACULTY OF HEALTH			
HUMAN MOVEMENT STUDIES			
HMB410	Physical Education Curriculum: Secondary	12	3
HMB411	Physical Education Curriculum: Primary	12	3
HMB412	Health Education Curriculum Planning	12	3
HMB440	Motor Development & Learning in Children	12	3
HMB441	Sociology of Sport	12	3
HMB442	Administration in Physical Education & Sport	12	3
PUBLIC HEALTH			
PUB441	Nutrition Educatiou	12	3
FACULTY OF BUSINESS			
COB200	Business Commuuication & Technologies	12	3

■ 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

	YEAR 1		YEAR 2		STRAND
	Semester 1	Semester 2	Semester 1	Semester 2	
DISCIPLINE/ CONTENT STUDIES 192 Credit Points (or equivalent) granted as credit on entry	Adult Education in the Workplace and Community (12)	Adult Learning and Development (12) Context of Adult and Workplace Education (12)	Organisation and Administration of Adult Community and Workplace Education (12) Elective Unit (12)	Elective Unit (12)	EDUCATION STUDIES 72 Credit Points
	Field Experience 1 (12)	Field Experience 2 (12) OR Professional Practice 1* (12)	Field Experience 3 (12)	Field Experience 4 (12) OR Professional Practice 3* (12)	PROFESSIONAL PRACTICE 48 Credit Points
	Orientation to Adult and Workplace Programs (12) Instructional Strategies for Adult and Workplace Educators (12) OR Secondary Curriculum Subject Part 1* (12)	The Group in Adult and Workplace Education (12)	Programming in Adult and Workplace Education (12)	Elective Unit (12) The Individual in Adult and Workplace Education OR Secondary Curriculum Subject Part 2* (12)	CURRICULUM STUDIES 72 Credit Points

* *Students seeking registration through the Queensland Board of Teacher Registration must complete these four units.*

Full-Time Course Structure

		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CUB332	Adult Education in the Workplace & the Community	12	3
CUB333	Field Experience 1	12	
CUB337	Orientation to Adult & Workplace Programs	12	3
Select one unit from the following:			
CUB339	Instructional Strategies for Adult & Workplace Educators	12	3
	Secondary Curriculum Unit Part 1 (See List 3)*	12	
Year 1, Semester 2			
CPB340	Context of Adult & Workplace Education	12	3
CUB338	The Group in Adult & Workplace Education	12	3
LEB333	Adult Learning & Development	12	3
Select one unit from the following:			
CUB334	Field Experience 2	12	
CUB356	Professional Practice 1*	12	
Year 2, Semester 1			
CUB335	Field Experience 3	12	
CUB340	Programming in Adult & Workplace Education	12	3
SBB347	Organisation & Administration of Adult and Workplace Education	12	3
	Education Studies Elective Unit 1 (See List 2)	12	
Year 2, Semester 2			
	Curriculum Studies Elective Unit (See List 1)	12	
	Education Studies Elective Unit 2 (See List 2)	12	3
Select one unit from the following:			
LEB338	The Individual in Adult & Workplace Education	12	3
	Secondary Curriculum Unit Part 2 (See List 3)*	12	3
Select one unit from the following:			
CUB336	Field Experience 4	12	
CUB358	Professional Practice 3*	12	3

* Students seeking registration through the Queensland Board of Teacher Registration must complete these four units.

Part-Time/External Course Structure

Year 1, Semester 1			
CUB332	Adult Education in the Workplace & Community	12	3
CUB337	Orientation to Adult & Workplace Programs	12	3
Year 1, Semester 2			
CUB339	Instructional Strategies for Adult & Workplace Educators	12	3
LEB333	Adult Learning & Development	12	3
Year 2, Semester 1			
CUB333	Field Experience 1	12	
CUB338	The Group in Adult & Workplace Education	12	3
Year 2, Semester 2			
CPB340	Context of Adult & Workplace Education	12	3
CUB334	Field Experience 2	12	
Year 3, Semester 1			
CUB340	Programming in Adult & Workplace Education	12	3
SBB347	Organisation & Administration of Adult and Workplace Education	12	3
Year 3, Semester 2			
CUB335	Field Experience 3	12	
LEB338	The Individual in Adult & Workplace Education	12	3

Bachelor of Education (Adult & Workplace Education) Course Structure
Part-time/External Students

	YEAR 1		YEAR 2		YEAR 3		YEAR 4		STRAND
	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
DISCIPLINE/ CONTENT STUDIES 192 Credit Points (or equivalent) granted as credit on entry	Adult Education in the Workplace and Community (12)	Adult Learning and Development (12)		Context of Adult and Workplace Education (12)	Organisation and Administration of Adult Community and Workplace Education (12)		Elective Unit (12)	Elective Unit (12)	EDUCATION STUDIES 72 Credit Points
			Field Experience 1 (12)	Field Experience 2 (12)		Field Experience 3 (12)		Field Experience 4 (12)	PROFESSIONAL PRACTICE 48 Credit Points
	Orientation to Adult and Workplace Programs (12)	Instructional Strategies for Adult and Workplace Educators (12)	The Group in Adult and Workplace Education (12)		Programming in Adult and Workplace Education (12)	The Individual in Adult and Workplace Education (12)	Elective Unit (12)		CURRICULUM STUDIES 72 Credit Points

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 Multiculutral 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

AAB414	Drama Curriculum Studies 1	12	3
AAB415	Drama Curriculum Studies 2	12	3
HMB310	Physical Education Curriculum Studies 1	12	3
HMB340	Physical Education Curriculum Studies 1B	12	3
HMB370	Physical Education Curriculum Studies 2	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
MDB331	Earth Science Curriculum Studies 1	12	3
MDB332	Earth Science Curriculum Studies 2	12	3
MDB333	Mathematics Curriculum Studies 1	12	3
MDB334	Mathematics Curriculum Studies 2	12	3
MDB335	Physics Curriculum Studies 1	12	3
MDB336	Physics Curriculum Studies 2	12	3
MDB337	Science Curriculum Studies 1	12	3
MDB338	Science Curriculum Studies 2	12	3
PUB312	Home Economics Curriculum Studies 1	12	3
PUB322	Home Economics Curriculum Studies 2	12	3
SBB325	Accounting/Business Management Curriculum Studies 1	12	3
SBB326	Accounting/Business Management Curriculum Studies 2	12	3
SBB327	Office Communication Technology Curriculum Studies 1	12	3
SBB328	Office Communication Technology Curriculum Studies 2	12	3
SBB329	Economics Curriculum Studies 1	12	3
SBB330	Economics Curriculum Studies 2	12	3
SBB331	Geography Curriculum Studies 1	12	3
SBB332	Geography Curriculum Studies 2	12	3
SBB333	History Curriculum Studies 1	12	3
SBB334	History Curriculum Studies 2	12	3
SBB335	Legal Studies Curriculum Studies 1	12	3
SBB336	Legal Studies Curriculum Studies 2	12	3
SBB337	Social Science Curriculum Studies 1	12	3
SBB338	Social Science Curriculum Studies 2	12	3

■ 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).

		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CPB342	Education in Context	12	3
CUB379/1	Early Childhood Professional Practice 1[16]	6	2.5
EAB341/1	Early Childhood Foundations 1[16]	6	2.5
MDB386	Mathematics Foundations	12	3
	Discipline Foundation Elective (See List 1)	12	
Year 1, Semester 2			
LEB335	Human Development & Education	12	3
CUB379/2	Early Childhood Professional Practice 1[16]	6	2.5
EAB341/2	Early Childhood Foundations 1 [16]	6	2.5
LAB344	Language & Literacy Foundations	12	3
	Discipline Foundation Elective (See List 1)	12	
Year 2, Semester 1			
CUB380/1	Early Childhood Professional Practice 2[16]	6	2.5
EAB342/1	Early Childhood Foundations 2[16]	6	2.5
EAB345	Early Childhood Curriculum: Language Education	12	4
EAB346	Early Childhood Curriculum: Science/Society & the Environment	12	4
EAB351	Family Studies & Early Childhood Education	12	3
Year 2, Semester 2			
CUB380/2	Early Childhood Professional Practice 2[16]	6	2.5
EAB342/2	Early Childhood Foundations 2[16]	6	2.5
EAB347	Early Childhood Curriculum: Early Mathematics Explorations	12	4
EAB348	Early Childhood Curriculum: Arts	12	4
	Discipline Foundation Elective (See List 1)	12	
Year 3, Semester 1			
LEB336	Psychology of Learning & Teaching	12	3
CUB381/1	Early Childhood Professional Practice 3[16]	6	2.5
EAB343/1	Early Childhood Foundations 3[16]	6	2.5
EAB349	Advanced Early Childhood Curriculum: Arts	12	4
	Discipline Minor (See List 2)	12	
Year 3, Semester 2			
CPB343	Understanding Educational Practices	12	3
CUB381/2	Early Childhood Professional Practice 3[16]	6	2.5
EAB343/2	Early Childhood Foundations 3[16]	6	2.5
EAB350	Advanced Early Childhood Curriculum: Literacy & Numeracy in the Early Years	12	4
	Discipline Minor (See List 2)	12	
Year 4, Semester 1			
CUB382/1	Early Childhood Professional Practice 4[16]	6	2.5
EAB344/1	Early Childhood Foundations 4[16]	6	2.5
EAB412	Integrative Early Childhood Curriculum	12	4
EAB413	Management of Early Childhood Services	12	3
	Discipline Minor (See List 2)	12	

[16] *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 Foundatious	12	3

Technology

MDB385	Information Technologies in Educatiou	12	3

LIST 2: DISCIPLINE MINOR ELECTIVE UNITS

Language

LAB441	Childreu'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 Foundatious of Physical Activity	12	4
HMB376	Motor Development in Childreu	12	4

Plus one of:

HMB314	Performauce Skills 1	12	6
HMB315	Performauce 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)

STRAND		YEAR 1		YEAR 2		YEAR 3		YEAR 4		TOTAL
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
PROFESSIONAL STUDIES	EDUCATION STUDIES	Education in Context (12)	Human Development & Education (12)			Psychology of Learning & Teaching (12)	Understanding Educational Practices (12)		Education Studies Electives (24)	72
	PROFESSIONAL PRACTICE	Early Childhood Professional Practice 1 (2 weeks) (12) Field Experience (4 weeks)		Early Childhood Professional Practice 2 (5 weeks) (12) Field Experience (2 weeks)		Early Childhood Professional Practice 3 (5 weeks) (12) Field Experience (4 weeks)		Early Childhood Professional Practice 4 (4 weeks) (12) Field Experience (2 weeks)		48
	CURRICULUM STUDIES	Early Childhood Foundations 1 (12)		Early Childhood Foundations 2 (12)		Early Childhood Foundations 3 (12)		Early Childhood Foundations 4 (12)		168
				Early Childhood Curriculum: Language Education (12) Early Childhood Curriculum: Science/Society and the Environment (12)	Early Childhood Curriculum: Early Mathematics Explorations (12) Early Childhood Curriculum: Arts (12)	Advanced Early Childhood Curriculum: Arts (12)	Advanced Early Childhood Curriculum: Literacy and Numeracy in the Early Years (12)	Integrative Early Childhood Curriculum (12)	Early Childhood Curriculum Elective (12)	
				Family Studies and Early Childhood Education (12)				Management of Early Childhood Services (12)		
DISCIPLINE/ CONTENT STUDIES*		Mathematics Foundations (12) Discipline Foundations Elective (12)	Language and Literacy Foundations (12) Discipline Foundations Elective (12)		Discipline Foundations Elective (12)	Discipline Minor (12)	Discipline Minor (12)	Discipline Minor (12)		96
TOTAL		48	48	48	48	48	48	48	48	384

* *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

CPB330	ATSI 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 [18]	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

Groups B: Differeuce and Diversity Among Learuers

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)[18]	12	3
LEB331	Teaching Children with Low Incidence Disabilities	12	3
LEB332	Teaching Exceptional Students	12	3
LEB337	Gifted Learners	12	3

LIST 4: CURRICULUM ELECTIVE UNITS

EAB414	Research in Early Childhood Development & Education	12	4
EAB415	Resource/Support Programs in Early Childhood	12	4
EAB416	Early Childhood Art Education	12	4
EAB417	Creating Curriculum with Young Children	12	4
EAB418	Studies in Narrative for Young Children	12	4
EAB419	Music Education for Diverse Learners	12	4
EAB420	Children, Teachers & the Environment	12	4
EAB421	Everyday Food Learning	12	4
EAB422	Technology & the Young Child	12	4

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

CUB350	Early Childhood Practices 1	12	2.5
EAB303	Early Childhood Foundations 2	12	3
EAB308	Early Childhood Sciences, Mathematics & Technology	12	3
EAB309	Integrated Early Childhood Curriculum 1	12	3

Year 2, Semester 2

CUB351	Early Childhood Practices 2	12	2.5
EAB305	Early Childhood Language Education 1	12	3
EAB321	Early Childhood Transactions 2	12	3
	Elective Unit 1 (see List 5)		

Year 3, Semester 1

CPB343	Understanding Educational Practices	12	3
CUB352	Early Childhood Practices 3	12	2.5
EAB304	Early Childhood Foundations 3	12	3
LEB336	Psychology of Learning & Teaching	12	3

Year 3, Semester 2

CUB353	Early Childhood Practices 4	12	2.5
EAB300	Early Childhood Arts 1	12	3
EAB307	Early Childhood Mathematics Education	12	3
	Elective Unit 2 (see List 5)	12	3

Year 4, Semester 1

CUB354	Early Childhood Practices 5	12	2.5
EAB301	Early Childhood Arts 2	12	3
EAB306	Early Childhood Language Education 2	12	3
	Elective Unit 3 (see List 6)	12	3

Year 4, Semester 2

CUB355	Early Childhood Practices 6	12	2.5
EAB310	Integrated Early Childhood Curriculum 2	12	3
	Education Studies Elective Unit (see List 3)	12	3
	Education Studies Elective Unit (see List 3)	12	3

LIST 5: ELECTIVE UNITS 1 AND 2

EAB312	Case Studies in Early Childhood & Family Literacy	12	3
EAB313	Children's Literature for Early Childhood Settings	12	3
EAB314	Children, Teachers & the Environment	12	3
EAB315	Creating Curriculum with Young Children	12	3
EAB316	Early Childhood Art Education	12	3
EAB317	Early Childhood Drama in Education	12	3
EAB323	Everyday Food & Science for Young Children	12	3
EAB326	Music Education & Young Children	12	3
EAB329	Routines for Inclusive Early Childhood Curriculum	12	3
EAB330	Storytelling in Early Childhood	12	3
EAB331	Technology & the Young Child	12	3
MDB301	History of Mathematics	12	3

LIST 6: ELECTIVE UNIT 3

EAB311	Alternative Programs in Early Childhood	12	3
EAB318	Early Childhood Education & Family Issues in Australia	12	3
EAB319	Early Childhood Socio-cultural Contexts	12	3
EAB322	Ethical Responsibilities in Early Childhood	12	3
EAB324	Integrating Young Children with Disabilities into Early Childhood Programs	12	3
EAB325	Management of Early Childhood Services	12	3
EAB328	Research in Early Childhood Development	12	3
EAB332	Technology in Early Childhood Contexts	12	3

Bachelor of Education (Early Childhood) Course Structure
(For Continuing Students in 1996 – Year 1 Completed in 1995)

STRAND		YEAR 1		YEAR 2		YEAR 3		YEAR 4		TOTAL
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
PROFESSIONAL STUDIES	EDUCATION STUDIES	Year 1 completed in 1995				Psychology of Learning & Teaching (12) Understanding Educational Practices (12)			Education Studies Elective Unit (12) Education Studies Elective Unit (12)	96
	PROFESSIONAL PRACTICE			Early Childhood Practices 1 (2 weeks) (12)#	Early Childhood Practices 2 (2 weeks) (12)#	Early Childhood Practices 3 (3 weeks) (12)# Field Experience (2 weeks)*	Early Childhood Practices 4 (3 weeks) (12)#	Early Childhood Practices 5 (3 weeks) (12)#	Early Childhood Practices 6 (3 weeks) (12)#	72
	CURRICULUM STUDIES			EC Foundations 2 (12) Integrated EC Curriculum 1 (12) EC Sciences, Maths & Technology (12)	EC Language Education 1 (12)	EC Foundations 3 (12)	EC Maths Education (12) EC Arts 1 (12)	EC Langnage Education 2 (12) EC Arts 2 (12)	Integrated EC Curriculum 2 (12)	132
DISCIPLINE/ CONTENT STUDIES					EC Transactions 2 (12) Elective Unit 1 (12)+		Elective Unit 2 (12)+	Elective Unit 3 (12)+		84
TOTAL				48	48	48	48	48	48	384

\+ *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.

Course Structure		Credit Points
Year 1, Semester 2 (mid-year entry)		
EAB334	Early Childhood Foundations A	12
EAB340	Programs for Infants & Toddlers	12
Year 2, Semester 1		
EAB308	Early Childhood Sciences, Mathematics & Technology	12
EAB335	Early Childhood Language & Arts Education 1	12
Year 2, Semester 2		
EAB324	Integrating Young Children with Special Needs in Early Childhood Programs	12
EAB325	Management of Early Childhood Services	12
Year 3, Semester 1		
EAB333	Early Childhood Education: Community Context	12
CUB368	Practice Teaching 1 (0–5 years)	12
Year 3, Semester 2		
EAB336	Early Childhood Foundations B	12
LEB336	Psychology of Learning & Teaching	12
Year 4, Semester 1		
CPB343	Understanding Educational Practices	12
EAB337	Integrated Early Childhood Curriculum	12
Year 4, Semester 2		
CPB339	Teaching Aboriginal & Torres Strait Islander Students	12
	OR	
SBB348	Implications of the National Training Reform Agenda	12
CUB369	Practice Teaching 2 (0–5 years)	12
Year 5, Semester 1		
EAB338	Early Childhood Language & Arts Education 2	12
	OR	
	Negotiated other Bachelor of Education (Inservice) (ED26) unit	
CUB370	Practice Teaching 3 (alternative settings)	12

Transition Arrangements for 1994 ED42 Bachelor of Teaching (Childcare Upgrade) Entrants to ED53 Bachelor of Education (Early Childhood) External in 1996

1996, Semester 2		
EAB336	Early Childhood Foundations B	12
CUB368	Practice Teaching 1 (20 days) (0–5 years)	12

1997, Semester 1

EAB308	Early Childhood Science, Mathematics & Technology	12
EAB335	Early Childhood Language & Arts Education 1	12

1997, Semester 2

CUB369	Practice Teaching 2 (20 days) (0–5 years)	12
CPB339	Teaching Aboriginal & Torres Strait Islander Students	12
	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	12
	OR	
	Negotiated other BEd (Inservice) unit	12

Credit from Bachelor of Teaching (Child Care Upgrade) for:

CPB343	Understanding Educational Practices
EAB324	Integrating Young Children with Special Needs in Early Childhood Programs
EAB325	Management of Early Childhood Services
EAB333	Early Childhood: Community Context
EAB334	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

		Credit Points
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	12
	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	12
	OR	
Negotiated other BEd(Inservice) unit		
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

STRAND	YEAR 1	YEAR 2		YEAR 3		YEAR 4		YEAR 5	TOTAL
	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	
EDUCATION STUDIES				EAB333 Early Childhood Education: Community Context (12)	LEB336 Psychology of Learning and Teaching (12)	CPB343 Understanding Educational Practices (12)	CPB339 Teaching ATSI Students (12) OR SBB348 Implications of the National Training Reform agenda (12)		48
PROFESSIONAL PRACTICE				CUB368 Practice Teaching 1 (0–5 years) 20 days (12)			CUB369 Practice Teaching 2 (0–5 years) 20 days (12)	CUB370 Practice Teaching 3 (Alternative Settings) 20 days (12)	36
CURRICULUM STUDIES	EAB334 Early Childhood Foundations A (12)	EAB335 Early Childhood Language & Arts Education 1 (12) EAB308 Early Childhood Sciences, Maths and Technology (12)			EAB336 Early Childhood Foundations B (12)	EAB337 Integrated Early Childhood Curriculum OR BEd (Inservice) unit (12)		EAB338 Early Childhood Language & Arts Education 2 OR BEd (Inservice) unit (12)	72
DISCIPLINE/ CONTENT STUDIES	EAB340 Programs for Infants and Toddlers (12)		EAB325 Management of Early Childhood Services (12)						24
			EAB324 Integrating Young Children with Special Needs in Early Childhood Programs (12)						12
TOTAL	24	24	24	24	24	24	24	24	192

■ 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[19]		Credit Points	Contact Hrs/Wk
The following course structure is for students commencing Year 1 in 1996.			
Year 1, Semester 1			
CPB342	Education in Context	12	3
LEB335	Human Development & Education	12	3
LAB344	Language & Literacy Foundations	12	3
MDB385	Information Technologies in Education	12	3
Year 1, Semester 2			
MDB383	Using Information Technologies in the Curriculum	12	3
MDB386	Mathematics Foundations	12	3
HMB171	Fitness, Health & Wellness	12	3
SBB342	Social & Environmental Education	12	3
Year 2, Semester 1			
LAB342	Language/Mathematics Curriculum 1	12	3
SBB349	Studies of Society & Environment/Health & Physical Education Curriculum 1	12	3
MDB387	Science Foundations	12	3
AAB918	Arts Foundation Studies	12	3
Year 2, Semester 2			
AAB914	Visual & Performing Arts Curriculum	12	3
LAB345	LOTE/Second Language Foundations	12	3
CUB375	Primary Professional Practice 1: Classroom Management	12	3
	Discipline Studies Elective (See List 1)	12	
Year 3, Semester 1			
CUB376	Primary Professional Practice 2: Curriculum Decision Making	12	3
LEB336	Psychology of Learning & Teaching	12	3
MDB384	Science Education	12	3
	Discipline Studies Elective (See List 1)	12	
Year 3, Semester 2			
CPB343	Understanding Educational Practices	12	3
LAB343	Language/Mathematics Curriculum 2	12	3
	Discipline Studies Elective (See List 1)	12	
	Discipline Studies Elective (See List 1)	12	
Year 4, Semester 1			
CUB377	Primary Professional Practice 3: The Inclusive Curriculum	12	3
LAB413	Programming & Assessment in Language & Mathematics	12	3
SBB415	Studies of Society & Environment/Health & Physical Education Curriculum 2	12	3
	Discipline Studies Elective (See List 1)	12	
Year 4, Semester 2			
	Education Studies Elective Unit 1 (See List 2)	12	3
	Education Studies Elective Unit 2 (See List 2)	12	3

[19] *Students in years two, three and four in 1996 will continue in their current program (please see the end of this section).*

CUB378	Primary Professional Practice 4: Reflective Practice	12	3
	Curriculum Studies Elective (See List 3)	12	3

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

Plus one of:

HMB314	Performance Skills 1	12	6
HMB315	Performance Skills 2	12	6
HMB316	Performance Skills 3	12	6

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	ATSI 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)

STRAND	YEAR 1		YEAR 2		YEAR 3		YEAR 4		TOTAL
	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8	
EDUCATION STUDIES	Education in Context (12) Human Development and Education (12)				Psychology of Learning & Teaching (12)	Understanding Educational Practices (12)		Education Studies Electives (24)	72
PROFESSIONAL PRACTICE	Field Experience (2 weeks)			Primary Professional Practice 1: Classroom Management (2 weeks) (12)	Primary Professional Practice 2: Curriculum Decision Making (4 weeks) (12) Field Experience (1 week)	Field Experience (1 week)	Primary Professional Practice 3: Inclusive Curriculum (4 weeks) (12)	Primary Professional Practice 4: Reflective Practice (6 weeks) (12)	48
CURRICULUM STUDIES		Using Information Technologies in the Curriculum (12)	Language/ Mathematics Curriculum 1 (12) Studies of Societies and Environment/ Health and Physical Edueation Curriculum 1 (12)	Visual and Performing Arts Curriculum (12)	Science Education (12)	Language/ Mathematics Curriculum 2 (12)	Programming and Assessment in Language and Mathematics OR Primary LOTE Curriculum (12) Studies of Society/ Health and Physical Education Curriculum 2 (12)	Curriculum Elective (12)	108
DISCIPLINE/ CONTENT STUDIES	Language and Literacy Foundations (12) Information Technologies in Education (12)	Mathematics Foundations (12) Social and Environmental Foundations (12) Fitness Health and Wellness (12)	Arts Foundation Studies (12) Science Foundations (12)	LOTE/ Second Language Foundations (12) Discipline Studies Elective (12)	Discipline Electives (12)	Discipline Elective (24)	Discipline Elective (12)		156
TOTAL	48	48	48	48	48	48	48	48	384

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	
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	Murri & 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 Studies[21]	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
PUB441	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

STRAND		YEAR 1		YEAR 2		YEAR 3		YEAR 4		TOTAL
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
PROFESSIONAL STUDIES	EDUCATION STUDIES	Year 1 completed in 1995				Psychology of Learning & Teaching (12)	Understanding Educational Practices (12)		Education Studies Elective Unit (12) Education Studies Elective Unit (12)	96
	PROFESSIONAL PRACTICE			Teachers as Communicators & Professional Practice 1 (3 weeks) (12)#	Teachers as Managers & Professional Practice 2 (3 weeks) (12)#	Teachers as Curriculum Decision-Makers & Professional Practice 3 (3 weeks) (12)# Field Experience (1 week)+	Field Experience (1 week)+	Teachers as Responsive Practitioners & Professional Practice 4 (3 weeks) (12)#	Teachers as Reflective Practitioners & Professional Practice 5 (3 weeks) (12)#	60
	CURRICULUM STUDIES			Visual & Performing Arts Curriculum 1 (12) Teaching Social Education (12)	Classroom Language Learning (12) Mathematics Education (12)	Science Education (12)	Health & Phys Ed 1 (12)	Language Programming & Assessment (12) Maths & Tech Education (12)	Curriculum Elective Unit (12) OR LOTE 6* (12)	108–144
						Visual & Performing Arts Curriculum 2 (12) OR	Curriculum in Social Education (12) OR LOTE Curriculum (12)	Health & Phys Ed 2 (12) OR		
DISCIPLINE/ CONTENT STUDIES				LOTE 1 (12) OR Elective Unit B1 (12)	LOTE 2 (12) OR Elective Unit B2 (12)	LOTE 3 (12)	LOTE 4 (12) OR Elective Unit B3 (12)	LOTE 5 (12)		84–120
TOTAL				48	48	48	48	48	48	384

\+ *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 (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

COURSE STREAM	DISCIPLINE AREAS
Art	Art
Business Education	Accounting/Business Management
	Office Communication Technology
	Economics
	Legal Studies
Communication	English
	Film & Media Studies
	French
	German[22]
	Indonesian
	Japanese
Drama	Drama
Home Economics	Home Economics
Physical Education	Physical Education
Science/Mathematics/Computing	Biology
	Chemistry
	Computing
	Earth Science
	Mathematics
	Physics
	Science Studies
Social Science	Geography
	History
	Social Science

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 comencing 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	72 credit points
Teaching area 2	120 credit points
(b) Teaching area 1	96 credit points
Teaching area 2	96 credit points
(c) Teaching area 1	72 credit points
Teaching area 2	96 credit points
Liberal Studies (Group Z)	24 credit points
(d) Teaching area 1	96 credit points*
Teaching area 2	48 credit points
Non-teaching area	48 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).

GROUP X	GROUP Y	GROUP Z
Accounting/Business Management	Accounting/Business Management	Units listed under X and Y (excluding the two teaching areas) plus units from other suitable QUT courses.
Art	Biology[23]	
Office Communication Technology	Chemistry[23]	
Computing	Earth Science[23]	
Drama	Economics	
English	English	
Home Economics	Film & Media	
Mathematics[24]	French	
Physical Education	Geography	
Science Studies[23]	German	
Social Science	Health Education	
	History	
	Indonesian	
	Japanese	
	Legal Studies	
	Mathematics	
	Physics[24]	
	Science Studies[24]	

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'.

STRAND		YEAR 3*		YEAR 4*		TOTAL
		Semester 1	Semester 2	Semester 1	Semester 2	
PROFESSIONAL STUDIES	EDUCATION STUDIES	Psychology of Learning & Teaching (12)	Human Development & Education (12) Introduction to Professional Practice (12) Education in Context (12) Language Technology & Education (12)	Understanding Educational Practices (12) Education Studies Elective Unit (12) Education Studies Elective Unit (12)		96
	PROFESSIONAL PRACTICE	Professional Practice 1 (4 weeks PT) (12) Field Experience (1 week)+	Field Experience (4 weeks)+	Professional Practice 2 (5 weeks PT) (12) Field Experience (1 week)+	Professional Practice 3 (5 weeks PT) (12) Professional Practice 4: The Beginning Teacher (12)#	48
	CURRICULUM STUDIES	Curriculum Studies 1X (12) Curriculum Studies 1Y (12)			Curriculum Studies 2X (12) Curriculum Studies 2Y (12)	48
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.*

Course Structure		Credit Points	Contact Hrs/Wk

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)

STRAND		YEAR 1		YEAR 2		YEAR 3		YEAR 4		TOTAL
		Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8	
PROFESSIONAL STUDIES	EDUCATION STUDIES		Education in Context (12) Human Development & Education (12)				Psychology of Learning and Teaching (12)	Understanding Educational Practices (12)	Education Studies Electives (24)	72
	PROFESSIONAL PRACTICE		Field Experience (2 weeks)+	Secondary Professional Practice 1: Classroom Management (2 weeks) (12)			Secondary Professional Practice 2: Curriculum Decision Making (4 weeks) (12) Field Experience (1 week)	Secondary Professional Practice 3: The Inclusive Curriculum (4 weeks) (12) Field Experience (1 week)	Secondary Professional Practice 4: Beginning Teaching (6 weeks) (12)	48
	CURRICULUM STUDIES			Language Technology and Education (12)			Curriculum Studies 1X (12) Curriculum Studies 1Y (12)	Curriculum Studies 2X (12) Curriculum Studies 2Y (12)	Curriculum Elective (12)	72
DISCIPLINE/ CONTENT STUDIES		Discipline Studies X (24) Discipline Studies Y (24)	Discipline Studies X (12) Discipline Studies Y (12)	Discipline Studies X (12) Discipline Studies Y (12)	Discipline Studies X (24) Discipline Studies Y (24)	Discipline Studies X/Y/Z (48)				192
TOTAL		48	48	48	48	48	48	48	48	384

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 1	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)

STRAND		YEAR 1		YEAR 2		YEAR 3		YEAR 4		TOTAL
		Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
PROFESSIONAL STUDIES	EDUCATION STUDIES		Education in Context (12) Language Technology & Education (12)	Introduction to Professional Practice (12) Human Development & Education (12)		Psychology of Learning & Teaching (12)		Understanding Educational Practices (12) Education Studies Elective Unit (12) Education Studies Elective Unit (12)		96
	PROFESSIONAL PRACTICE		Field Experience (2 weeks)+	Field Experience (2 weeks)+		Professional Practice 1 (4 weeks PT) (12) Field Experience (1 week)+		Professional Practice 2 (5 weeks PT) (12) Field Experience (1 week)+	Professional Practice 3 (5 weeks PT) (12) Professional Practice 4: The Beginning Teacher (12)#	48
	CURRICULUM STUDIES					Curriculum Studies 1X (12) Curriculum Studies 1Y (12)			Curriculum Studies 2X (12) Curriculum Studies 2Y (12)	48
DISCIPLINE/ CONTENT STUDIES		Discipline Studies X (24) Discipline Studies Y (24)	Discipline Studies X (12) Discipline Studies Y (12)	Discipline Studies X (12) Discipline Studies Y (12)	Discipline Studies X (24) Discipline Studies Y (24)		Discipline Studies X/Y/Z (48)			192
TOTAL		48	48	48	48	48	48	48	48	384

\+ *Credit points for field experience come from the core education studies in corresponding semesters.*

\# *On-campus program equivalent to a 14 week unit.*

MDB331	Earth Science Curriculum Studies 1	12	3
MDB332	Earth Science Curriculum Studies 2	12	3
MDB333	Mathematics Curriculum Studies 1	12	3
MDB334	Mathematics Curriculum Studies 2	12	3
MDB335	Physics Curriculum Studies 1	12	3
MDB336	Physics Curriculum Studies 2	12	3
MDB337	Science Curriculum Studies 1	12	3
MDB338	Science Curriculum Studies 2	12	3
PUB312	Home Economics Curriculum Studies 1	12	3
PUB322	Home Economics Curriculum Studies 2	12	3
SBB325	Accounting/Business Management Curriculum Studies 1	12	3
SBB326	Accounting/Business Management Curriculum Studies 2	12	3
SBB327	Office Communication Technology Curriculum Studies 1	12	3
SBB328	Office Communication Technology Curriculum Studies 2	12	3
SBB329	Economics Curriculum Studies 1	12	3
SBB330	Economics Curriculum Studies 2	12	3
SBB331	Geography Curriculum Studies 1	12	3
SBB332	Geography Curriculum Studies 2	12	3
SBB333	History Curriculum Studies 1	12	3
SBB334	History Curriculum Studies 2	12	3
SBB335	Legal Studies Curriculum Studies 1	12	3
SBB336	Legal Studies Curriculum Studies 2	12	3
SBB337	Social Science Curriculum Studies 1	12	3
SBB338	Social Science Curriculum Studies 2	12	3

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

CPB330	Aboriginal & Torres Strait Islander Education Policy	12	3
CPB331	Asian Culture & Education	12	3
CPB332	School–Community Relations	12	3
CPB333	Policy Making and Changing School Practices	12	3
CPB334	Powerful Teachers, Powerful Students	12	3
CPB335	Teacher as Researcher	12	3
CUB330	Education Law & the Beginning Teacher	12	3
CUB366	Learning/Teaching Environments	12	3
EDB440	Independent Study [25, 26]	12	3
LEB441	Educational Counselling	12	3
LEB480	Research Methods in Education [26]	12	3
MDB300	Teaching in the Information Age	12	3

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:

CPB442	Education in a Multicultural Society
CPB423	Society, Social Policy and Education
CPB446	Women, Education and Social Change in Australia
CUB432	Teachers as Isolated Learners
CUB433	Teaching Strategies
CUB442	Introduction to Educational Administration
CUB443	Classroom Asessment Practices
LEB441	Educational Counselling
LEB443	Human Sexuality and Learning
LEB444	Human Sexuality and Development

[25] *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.*

[26] *Recommended elective unit for students contemplating higher degree studies.*

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[27, 28]	12	3
LEB331	Teaching Children with Low Incidence Disabilities	12	3
LEB332	Teaching Exceptional Students	12	3
LEB337	Gifted Learners	12	3

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)[29]

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
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.

[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 plns 24 credit points selected in consultation with the Computing Teaching Area Coordinator

In selecting units, students should seek the advice of 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 reminder (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)[30]

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)[30]

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

[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)[31]

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)
(Indonesion, Japanese and French)

Students wishing to undertake studies in French, Indonesion 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 advancedunits

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 selective 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		Credit Points
Year 1, Semester 2 (July–November)		
EAB501	Advanced Child Care Development & Learning	16
EAB502	Advanced Curriculum Theory & Design for Child Care	16
Year 2, Semester 1 (February–June)		
EAB103	Australian Families & Early Education	8
EAB503	Teaching Strategies for Child Care	16

Year 2, Semester 2 (July–November)

EAB504	Programs & Teaching Strategies for Children Under Three Years	16
EAB505	Learning Teaching & Integrated Curriculum for 3–5 years	16

Summer School (3 weeks within the November–January period)

EAB506	Field Project (Children 0–5 years)	16

Year 3, Semester 1 (February–June)

EAB144	Integrating the Exceptional Child in Early Childhood	8
EAB507	Early Childhood Leadership & Management in the Sociocultural Context	16

Year 3, Semester 2 (3 weeks within the July–November period)

EAB508	Field Project (Children 0–12 years)	16

FACULTY OF HEALTH

Courses

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)[1]

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 credentialling 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.

[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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
PUP010	Health in Australian Society	12	3
PUN601	Contemporary Health Policies	12	3
	OR		
HLN405	Qualitative Research	12	3
MAN009	Experimental Design & Statistical Analysis	12	4
Plus two of the following units:			
LWS006	Health Ethics & the Law	12	3
PUN602	Health Planning Management & Evaluation	12	3
PUN608	Health Economics & Finance	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 1, Semester 2			
HLN001	Literature Review	12	3
	Three specialist elective units selected from Lists A-H	36	9
Year 2, Semester 1			
HLN002	Research Project	12	3
HLN003	Thesis Presentation	24	
	One specialist elective unit (in appropriate discipline area) selected from List I	12	

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 1	12	3
PUN619	Environmental Health 1	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

PUP010	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

PUN617	Environmental Health Management 1	12	3
PUN619	Environmental Health 1	12	3
PUN627	Advanced Pharmacology	12	3
PUN629	General Medicine	12	3
PUN641	Clinical Data Management	12	3
PUN642	Classification & Casemix in Health	12	3
PUP116	Ergonomics	12	3
PUP215	Occupational Health & Safety Law & Management 2	12	3
PUP018	Health Promotion Strategies	12	3
PUP021	Case Studies on Contemporary Health Issues	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)		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
NSN501	Advanced Clinical Strategies	12	3
NSN502	Nursing Knowledge	12	3
Select one of the following units:			
NSN521	Clinical Specialisation 1	12	
NSN581	Clinical Studies 1	12	
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 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[4]	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.

[4] *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[5]

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

[5] *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.*

component of one semester (full-time) or two semesters (part-time). The coursework component comprises four core units and four advanced elective units.

PART A		Credit Points	Contact Hrs/Wk
Core Units			
PUN603	Environment & Population Health (GU)		
PUN604	Introduction to Epidemiology/Biostatistics (UQ)		
PUN692	Health Care Delivery Systems (QUT)	12	3
PUN696	Introduction to Health Promotion (Coordinated by QUT)	12	3
PART B			
Advanced Elective Units Offered by QUT			
LWS006	Health, Ethics & the Law	12	3
PUN608	Health Economics & Finance	12	3
PUN610	Health Services Management	12	3
PUN611	Community Health Planning	12	3
PUN612	Advanced Health Evaluation	12	3
PUN613	Health Promotion Planning & Evaluation	12	3
PUP007	Social & Behavioural Epidemiology	12	3
PUP018	Health Promotion Strategies	12	3

(Additional elective units are offered by other collaborating universities.)

PART C		
PUN600	Dissertation (full-time)	48
PUN607	Dissertation (part-time)	48

Dissertation

The dissertation is equivalent to an honours dissertation in type and scope and is expected to be between 10 000 and 20 000 wrds 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 Humphreyes-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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
NSN501	Advanced Clinical Strategies	12	3
NSN502	Nursing Knowledge	12	3
Select one of the following units:			
NSN521	Clinical Specialisation 1	12	
NSN581	Clinical Studies 1	12	
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 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[6]	12	
NSN583	Clinical Studies 3	12	
	Nursing Elective Unit (to be selected from List A)	12	
	Elective Unit (to be selected from List B)	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 2, 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[6]	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
Year 2, Semester 2			
	Nursing Elective Unit (to be selected from List A)	12	
	Elective Unit (to be selected from List B)	12	

[6] *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
	Any other 12 credit point postgraduate unit for which students have the necessary prerequisites.		

Note: Students are required to undertake Clinical Specialisation 1, 2 and 3 or Clinical 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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
PUP010	Health in Australian Society	12	3
PUP022	Health Promotion Concepts & Policies: A Critical Analysis	12	3
Year 1, Semester 2			
PUP007	Social & Behavioural Epidemiology	12	3
PUP024	Foundations of Health Education	12	3

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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
PUP109	Nutrition	12	5
PUP110	Nutritional Epidemiology	12	5
PUP126	Clinical Dietetics 1	12	5
Select one of the following units:			
LSB558	Applied Physiology	12	5
PUP140	Communication Theory & Practice for Health Professionals	12	3

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.

Year 1, Semester 2			
PUP024	Foundations of Health Education	12	3
PUP127	Clinical Dietetics 2	12	5
PUP128	Practical Dietetics	12	5
PUP129	Food Service & Dietetic Management	12	5
Year 2, Semester 1			
PUP122	Practice in Clinical Dietetics	24	11 wks
PUP123	Practice in Community Nutrition	12	4 wks
PUP132	Practice in Food Service Management	12	3 wks

■ 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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
MEP201	Safety Technology & Practice 1	12	3
PUP115	Occupational Health & Safety Law & Management 1	12	3
PUP415	Occupational Health	12	3
Select one from the following units			
HLN405	Qualitative Research	12	3
MAN009	Experimental Design & Statistical Analysis	12	3
PUP010	Health in Australian Society	12	3
Year 1, Semester 2			
PUP116	Ergonomics	12	3
PUP215	Occupational Health & Safety Law & Management 1	12	3
PUP250	Occupational Hygiene	12	3
PUP301	Safety Technology & Practice 2	12	3

Part-Time Course Structure			
Year 1, Semester 1			
MEP201	Safety Technology & Practice 1	12	3
PUP115	Occupational Health & Safety Law & Management 1	12	3
Year 1, Semester 2			
PUP116	Ergonomics	12	3
PUP215	Occupational Health & Safety Law & Management 2	12	3
Year 2, Semester 1			
PUP415	Occupational Health	12	3
Select one from the following units:			
HLN405	Qualitative Research[7]	12	3
MAN009	Experimental Design & Statistical Analysis[7]	12	3
PUP010	Health in Australian Society[7]	12	3
Year 2, Semester 2			
PUP250	Occupational Hygiene	12	3
PUP301	Safety Technology & Practice 2	12	3

[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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
HLP101	Advanced Discipline Readings	12	
HLP103/1	Dissertation	12	

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
HLP103/2/3/4	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.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CHB142	Chemistry 1	12	6
LSB122	Biology 1	12	5
PHB150	Physics 1H	12	6
PUB207	Introduction to Environmental Health	12	4
Year 1, Semester 2			
CHB242	Chemistry 2	12	6
MAB152	Quantitative Methods	8	3
PHB263	Physics 2E	12	6
PUB300	Pollution Science 1	8	4
SSB914	Psychology	8	3
Year 2, Semester 1			
CNB171	Construction 1	12	6
ISB382	Microcomputer Applications	8	3
LSB142	Human Anatomy & Physiology	12	5
LSB301	Microbiology 1	8	3
PUB301	Environmental Protection 2	8	4
Year 2, Semester 2			
CHB411	Environmental Analytical Chemistry	8	4
CNB172	Construction 2	8	4
LSB431	Microbiology 2	8	3
PUB478	Food Science & Technology	12	5
PUB481	Pollution Science 2	12	5
Year 3, Semester 1			
CNB013	Building Services 1 – HVAC	4	2
PSB904	Surveying & Measuring	4	2
PUB210	Occupational Health & Safety 1	8	4
PUB513	Epidemiology & Diseases	12	4
PUB518	Food Hygiene Studies	8	4
PUB520	Environmental Health Management 1	12	5
Year 3, Semester 2			
PUB211	Occupational Health & Safety 2	8	4
PUB612	Health Promotion & Education	8	3
PUB620	Environmental Health Management 2	12	5
PUB621	Environmental Health Practice	12	6
PUB622	Environmental Health Project	8	4

■ 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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CHB149	Principles of Chemistry	12	6
COB160	Professional Communication (Business)	12	3
PUB276	Home Economics 1	12	4
SSB961	Australian Society: Introduction to Sociology	12	3
Year 1, Semester 2			
CHB259	Organic Chemistry	12	5
LSB405	Microbiology	12	5
PUB272	Home Economics 2	12	3
SSB912	Psychology	12	3
Year 2, Semester 1			
LSB142	Human Anatomy & Physiology	12	5
LSB305	Biochemistry	12	5
PUB472	Textile Science & Technology	12	4
PUB572	Apparel Design 1	12	4
Year 2, Semester 2			
PUB372	Shelter Studies 1	12	4
PUB405	Human Nutrition	12	5
PUB474	Food Studies	12	6
PUB478	Food Science & Technology	12	5
Year 3, Semester 1			
PUB574	Home Economics 3	12	3
PUB575	Home Economics Practicum	12	
	Elective Unit	12	
	Elective Unit	12	
Year 3, Semester 2			
PUB374	Family Studies	12	3
PUB675	Home Economics 4	12	3
	Elective Unit	12	
	Elective Unit	12	
Elective Units			
(Subject to availability and demand)			
PUB331	Shelter Studies 2	12	4
PUB355	Food Service Principles & Practice	12	3
PUB441	Nutrition Education	12	3
PUB540	The Home Economist as Counsellor	12	3
PUB552	Nutrition Issues in Australia	12	4
PUB556	Food Presentation & Promotion	12	6
PUB582	Apparel Design 2	12	4
PUB590	Product Development & Marketing	12	3
PUB592	Home Economics Independent Study 1	12	1
PUB594	Home Economics Independent Study 2	12	1

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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
LSB131	Anatomy	12	6
HMB171	Fitness, Health & Wellness	12	3
HMB313	Socio-Cultural Foundations of Physical Activity	12	4
SSB912	Psychology	12	3
Year 1, Semester 2			
LSB231	Physiology	12	6
HMB172	Physical Activity, Nutrition & Weight Control	12	4
HMB272	Biomechanics	12	4
PUB233	Information, Education & Communication for Health	12	3
Year 2, Semester 1			
HMB271	Motor Control & Learning	12	4
HMB274	Functional Anatomy	12	4
HMB275	Exercise & Sport Psychology	12	4
	Elective Unit	12	
Year 2, Semester 2			
HMB273	Exercise Physiology	12	4
HMB276	Research in Human Movement	12	4
	Major Study 1		
	Minor Study 1		

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		
	Minor Study 3		
	Major Study 4		
	Minor Study 4		
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		**Credit Points**	**Contact Hrs/Wk**
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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CHB142	Chemistry 1	12	6
LSB130	Anatomy 1	8	3
LSB161	Biology	8	3
MAB251	Mathematics 1	8	4
PHB122	Physics 1	12	5
Year 1, Semester 2			
CHB242	Chemistry 2	12	6
LSB230	Anatomy 2	8	3
OPB210	Optometry 2	4	2
OPB232	Ophthalmic Optics 2	12	4
PHB240	Optics 2	12	7
Year 2, Semester 1			
LSB371	Biochemistry 4	8	4
LSB451	Human Physiology	12	6
MAB252	Statistics	4	2
OPB312	Visual Science 3	12	5
PHB340	Optics 3	12	7
Year 2, Semester 2			
LSB370	Disease Processes	4	2
LSB491	Microbiology 3	6	3
OPB401	Ocular & Regional Anatomy	10	4
OPB405	Clinical Optometry 4	4	2
OPB412	Visual Science 4	12	5
OPB415	Ocular Physiology	12	4
Year 3, Semester 1			
OPB504	Ophthalmic Optics 5	8	4
OPB505	Clinical Optometry 5	8	4
OPB509	Optometry 5	18	9
OPB520	Pharmacology	6	2
OPB527	Diseases of the Eye 5	8	3
Year 3, Semester 2			
OPB605	Clinical Optometry 6	8	4
OPB608	Ocular Pharmacology	6	3
OPB609	Optometry 6	16	8
OPB617	Contact Lens Studies 6	6	2
OPB627	Diseases of the Eye 6	8	4
SSB911	General Psychology	4	3
Year 4, Semester 1			
MAB258	Experimental Design	4	2
OPB705	Clinical Optometry 7	24	13
OPB709	Optometry 7	8	5
OPB717	Contact Lens Studies 7	6	2
OPB750/1	Project	6	2

Year 4, Semester 2

OPB750/2	Project	6	2
OPB803	Occupational/Public Health Optometry	6	2
OPB805	Clinical Optometry 8	32	17
OPB807	Practice Management	4	2

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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
CHB142	Chemistry 1	12	6
ISB382	Microcomputer Applications	8	3
LSB151	Human Anatomy 1	8	3
MEB031	Material Technology	8	2
PHB150	Physics 1H	12	6
Year 1, Semester 2			
CHB289	Organic & Physical Chemistry	8	4
LSB261	Systematic Anatomy	8	3
LSB331	Advanced Anatomy	8	6
MAB152	Quantitative Methods	8	3
PHB252	Kinesiology & Biomechanics	8	2
PHB262	Physics 2L	8	4
Year 2, Semester 1			
LSB371	Biochemistry 4	8	4
LSB401	Microbiology	8	3
LSB451	Human Physiology	12	7
PUB302	Podiatric Medicine 1	8	4
PUB303	Clinical Science 1	12	6
Year 2, Semester 2			
LSB470	Disease Processes 4	8	4
PUB306	Pharmacology	8	3
PUB404	Clinical Science 2	12	9
PUB421	Podiatric Medicine 2	12	6
SSB890	Psychology	8	3
Year 3, Semester 1			
PHB313	Radiographic Image Interpretation	8	3
PUB304	Physical Medicine	8	3

PUB410	Medicine	8	3
PUB422	Podiatric Anaesthesiology	8	2
PUB503	Podiatric Medicine 3	8	3
PUB504	Clinical Science 3	8	12
Year 3, Semester 2			
PUB411	Orthopaedics	8	3
PUB502	Dermatology	8	3
PUB505	Podiatric Surgery	8	3
PUB602	Sports Medicine	8	3
PUB603	Clinical Science 4	8	12
PUB610	Project & Professional Management	8	3

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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BSB112	Business Technology & Information	12	4
MGB211	Organisational Behaviour	12	3
PUB130	Australian Health Industry	12	3
PUB513	Epidemiology & Diseases	12	5
Year 1, Semester 2			
AYB120	Business Law	12	3
MGB207	Management Human Resources	12	3
PUB233	Information, Education & Communication for Health	12	3
PUB251	Introduction to Public Health	12	3
Year 2, Semester 1			
AYB002	Principles of Accounting	12	3
EFB104	Microeconomics	12	3
BSB115	Management, People & Organisations	12	3
LWS001	Medicine & the Law	12	3

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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
BSB112	Business Technology & Information	12	4
PUB130	Australian Health Industry	12	3
Year 1, Semester 2			
PUB233	Information, Education & Communication for Health	12	3
PUB251	Introduction to Public Health	12	3
Year 2, Semester 1			
MGB211	Organisational Behaviour	12	3
PUB513	Epidemiology & Diseases	12	5
Year 2, Semester 2			
AYB120	Business Law	12	3
MGB207	Management Human Resources	12	3
Year 3, Semester 1			
AYB002	Principles of Accounting	12	3
EFB104	Microeconomics	12	3
Year 3, Semester 2			
PUB531	Health Care Economics	12	3
	Elective Unit		
Year 4, Semester 1			
BSB115	Management, People & Organisations	12	3
PUB431	Economic Evaluation of Health Services	12	3
Year 4, Semester 2			
PUB618	Health Computer Systems	12	4
	Elective Unit	12	
Year 5, Semester 1			
LWS001	Medicine & the Law	12	3
PUB529	Health Planning & Evaluation	12	3
Year 5, Semester 2			
PUB580	Health Administration Finance	12	3
	Elective Unit	12	3
Year 6, Semester 1			
PUB651	Casemix Management	12	3
PUB657	Human Resources in Health	12	3

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:

		Semester	Credit Points	Contact Hrs/Wk
PUB431	Economic Evaluation of Health Services	1	12	3
PUB533	International Health Care Systems	1	12	3
PUB212	Occupational Health and Safety 1	1	12	4
PUB528	Health Administration Project	1 and 2	12	

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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
NSB321	Professional Practice Development	12	3
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[8]	12	3
	Elective (from List A)	12	
Year 1, Semester 2			
LSB282	Bioscience 2	12	5
	OR		
NSB113	Values, Culture & Nursing	12	3
	OR		
NSB223	Mental Health Nursing[8]	12	3
	Electives[9]	36	

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[8]	12	3
Year 1, Semester 2			
NSB113	Values, Culture & Nursing	12	3
	OR		
NSB223	Mental Health Nursing	12	3
	OR		
LSB282	Bioscience 2[8]	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

	Electives[10]	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)		

Semester 2

NSB224	Research Approaches in Nursing	12	3
	Elective		

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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
NSB116	Nursing 1	12	3
LSB182	Bioscience 1	12	5
SSB101	Introduction to Psychology & Health Care	12	3
SSB982	Introduction to Social Science & Health Care	12	3

[10] *NSB413 Advanced Research Approaches in Nursing should be taken as an elective if students wish to proceed to an Honours degree.*

Year 1, Semester 2

NSB121	Nursing 1	12	3
NSB122	Clinical Practice 1[11]	12	
LSB282	Bioscience 2	12	5
NSB113	Values, Culture & Nursing	12	3

Year 2, Semester 1

LSB191	Clinical Physiology & Pharmacology	8	3
NSB212	Clinical Practice 2[11]	12	
NSB113	Values, Culture & Nursing	12	3
NSB213	Nursing 3	12	3

Year 2, Semester 2

NSB221	Nursing 4	12	3
NSB222	Clinical Practice 3[11]	12	
NSB223	Mental Health Nursing	12	3
NSB224	Research Approaches in Nursing	12	3

Year 3, Semester 1

NSB301	Nursing & Biophysical Health 1	8	3
	OR		
NSB302	Nursing & Mental Health 1	8	3
NSB401	Nursing & Biophysical Health 2	8	3
	OR		
NSB402	Nursing & Mental Health 2	8	3
LSB191	Clinical Physiology & Pharmacology	8	3
	OR		
NSB308	Nursing & Mental Disorder	8	3
NSB224	Research Approaches in Nursing	12	3
NSB560	Clinical Practice 5A (BH)[11]	8	
	OR		
NSB570	Clinical Practice 5A (MH)[11]	8	
NSB561	Clinical Practice 5B (BH)[11]	8	
	OR		
NSB571	Clinical Practice 5B (MH)[11]	8	

Year 3, Semester 2

NSB321	Professional Practice Development	12	3
NSB323	Clinical Practice 5[11]	12	
HUB004	Philosophy & Nursing 2	8	3
NSB406	Nursing & the Family	8	3
	OR		
NSB407	Nursing & the Community	8	3

PART-TIME PROGRAM

Year 1, Semester 1

LSB182	Bioscience 1	12	5
SSB982	Introduction to Social Science & Health Care	12	3

Year 1, Semester 2

LSB282	Bioscience 2	12	5
NSB113	Values, Culture & Nursing	12	3

Year 1, Semester 3

NSB116	Nursing 1	12	3
NSB113	Values, Culture & Nursing	12	3

Year 1, Semester 4

NSB121	Nursing 2	12	3
NSB122	Clinical Practice 1[11]	12	

Year 2, Semester 1

LSB191	Clinical Physiology & Pharmacology	8	3
NSB113	Values, Culture & Nursing	12	3

[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 2[12]	12	
NSB213	Nursing 3	12	3

Year 2, Semester 4

NSB221	Nursing 4	12	3
NSB222	Clinical Practice 3[13]	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		**Credit Points**	**Contact Hrs/Wk**
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 1[12]	12	
NSB212	Clinical Practice 2[12, 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

Courses

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		Credit Points
Year 2, Semester 1		
IFN100	Full-time Masters Research	48
Year 2, Semester 2		
IFN100	Full-time Masters Research	48

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		Credit Points
Year 2, Semester 1		
IFN200	Part-time Masters Research	24
Year 2, Semester 2		
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
Year 4, Semester 1		
IFN200	Part-time Masters Research	24
Year 4, 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.

■ 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		Credit Points
Year 1, Semester 1		
Coursework Units (Selected in consultation with supervisor)		36
ITN160	Research Plan	12
Year 1, Semester 2		
IFN100	Full-time Masters Research	48
Year 1, Summer School or Year 2, Semester 1		
IFN100	Full-time Masters Research	48

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		Credit Points
Year 1, Semester 1		
Coursework Units (Selected in consultation with supervisor)		24
Year 1, Semester 2		
Coursework Unit (Selected in consultation with supervisor)		12
ITN160	Research Plan	12

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.

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 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		**Credit Points**	**Contact Hrs/Wk**
INTRODUCTORY MODULE (FIRST MODULE)			
Year 1, Semester 1			
ITN210	Foundations of Information Modelling	12	3
ITN410	Software Principles	12	3
ITN510	Data Networks	12	3
Select one unit from the following:			
ITN211	Systems Analysis & Design	12	3
ITN343	Principles of Information Management	12	3
ITN411	Systems Architecture & Operating Systems	12	3
MAB177	Mathematics for Data Communications	12	3

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.

NON-INFORMATION TECHNOLOGY GRADUATES

Part-Time Course Structure

		Credit Points	Contact Hrs/Wk
INTRODUCTORY MODULE (FIRST MODULE)			
Year 1, Semester 1			
ITN210	Foundations of Information Modelling	12	3
ITN410	Software Principles	12	3
Year 1, Semester 2			
ITN510	Data Networks	12	3
Select one from the following:			
ITN211	Systems Analysis & Design	12	3
ITN411	Systems Architecture & Operating Systems	12	3
MAB177	Mathematics for Data Communications	12	3

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

		Semester Offered	Credit Points	Contact Hrs/Wk
COMPUTING SCIENCE MODULES				
Computing Science Module 1				
ITN420	Comparative Programming Languages	2	12	3
ITN421	Software Specification	2	12	3
	Elective Unit		12	3
	Elective Unit		12	3
Computing Science Module 2				
ITN430	Advanced Operating Systems	1	12	3
ITN431	Distributed Systems	1	12	3
	Elective Unit		12	3
	Elective Unit		12	3

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	1	12	3
ITN442	Compiler Construction	1	12	3
ITN445	Pattern Recognition	1	12	3
ITN446	Minor Project 1	1	12	-
ITN447	Special Studies	1	12	3
Second Semester				
ITN441	Artificial Intelligence	2	12	3
ITN443	Neurocomputing	2	12	3
ITN444	Parallel Processing	2	12	3
ITN446	Minor Project 1(CS)	2	12	-
ITN447	Special Studies	2	12	3
ITN449	Minor Project 2 (CS)	2	12	-
DATA COMMUNICATIONS MODULES				
Data Communications Module 1				
ITN520	Internetworking	1,2	12	3
ITN521	Network Applications	1,2	12	3
	Elective Unit		12	3
	Elective Unit		12	3
Data Communications Module 2				
ITN530	Corporate Telecommunications	2	12	3
ITN531	Network Security	2	12	3
	Elective Unit		12	3
	Elective Unit		12	3
Data Communications Module 1 – Elective Units				
ITB530	Transport Protocols	1	12	3
ITB533	Comparative Network Systems	1	12	3
ITB542	Network Programming	2	12	3
ITB543	Data Security	2	12	3
ITB548	Introduction to Cryptology	1	12	3
ITB549	Error Control and Data Compression	2	12	3

Data Communications Module 2 – Elective Units

ITB532	Laboratory 4 (Network Management)	1,2	12	3
ITN540	Advanced Network Technologies	1	12	3
ITB548	Introduction to Cryptology	1	12	3
ITN553	OS Security and Management	TBA	12	3
ITN554	Special Topic	1	12	3
ITN556	Advanced Topics in Cryptology	2	12	3
ITN526	Minor Project 1 (DC)	2	12	-
ITN528	Minor Project 2 (DC)	2	12	-

INFORMATION MANAGEMENT MODULES

Information Management Module 1

ITN211	Systems Analysis and Design	1,2	12	3
ITN340	Information Agencies	1	12	3
	Elective Unit		12	3
	Elective Unit		12	3

Information Management Module 2

ITN341	Information Policy and Planning	2	12	3
	Elective Unit[1]		12	3
	Elective Unit		12	3
	Elective Unit		12	3

Electives

Information Management Module 1 – Elective Units

ITN100	Research Methodologies	1,2	12	3
ITB220	Database Design	1,2	12	3
ITN220	Major Issues in Information Systems	1,2	12	3
ITN241	Advanced Topics in Human–Computer Interaction	1	12	3
ITN342	Information Science	2	12	3
ITN344	Information Processing Applications	2	12	3

Information Management Module 2 – Elective Units

ITN345	Information Systems Audit	2	12	3
ITN346	Special Topic – Information Management	1,2	12	-
ITN347	Information Management Project 1	1,2	12	-
ITN348	Information Management Project 2	1,2	12	-

The following units available in the Library and Information Studies module are available to Information Management students:

ITN351	Information Sources 2	1	12	3
ITN352	Information Organisation 2	1	12	3
ITN355	Information Resources & Services for Business & Industry	2	12	3

INFORMATION SYSTEMS MODULES

Information Systems Module 1

ITN220	Major Issues in Information Systems	1,2	12	3
ITN221	Object-oriented Analysis and Design	1,2	12	3
	Elective Unit		12	3
	Elective Unit		12	3

Information Systems Module 2

ITN230	Current Advances in Database Technology	2	12	3
ITN231	Knowledge-based Systems	2	12	3
	Elective Unit – Selected from List E		12	3
	Elective Unit – Selected from List E		12	3

List D: Information Systems Module 1 – Elective Units

Recommended electives are:

ITB220	Database Design	1,2	12	3

[1] *Students taking Projects are required to do ITN100.*

ITB232	Database Management	1,2	12	3
ITB233	File Structures	1,2	12	3
ITB241	Information Systems Management	2	12	3
ITN241	Advanced Topics in Human–Computer Interaction	1	12	3
ITN243	Access Methods for Information Systems	1	12	3
ITN244	Special Topic	1	12	3

List E: Information Systems Module 2 – Elective Units

ITN242	Distributed Transaction Management Systems	2	12	3
ITN244	Special Topic	1	12	3
ITN245	Special Topic	2	12	3
ITN250	Distributed Database Systems	2	12	3
ITN246	Minor Project 1 (IS)	2	12	-
ITN248	Minor Project 2 (IS)	2	12	-

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.

ITN350	Information Contexts	1	12	3
ITN510	Data Networks	1,2	12	3
	Elective Unit		12	3
	Elective Unit		12	3

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 Management[2]	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 People[3]	1	12	3
ITN357	Special Topic	1, 2	12	-

Group 2: Program Management

ITN358	Management of Information Programs	1	12	3
ITN359	Preservation Management of Resource Materials[3]	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	-

[2] *Not offered in 1996.*

[3] *Offered only in odd-numbered years.*

DISTRIBUTED SYSTEMS MODULE

ITN250	Distributed Database Systems	2	12	3
ITN431	Distributed Systems	1	12	3
ITN531	Network Security	2	12	3
Select one unit from the following:				
ITN242	Distributed Transaction Management Systems	TBA	12	3
ITN444	Parallel Programming	2	12	3
ITN553	OS Security and Management	TBA	12	3

MAJOR PROJECT MODULE[4]

For Full-Time Information Technology Graduates

ITN140	Major Project	1,2	48

For Part-Time Information Technology Graduates

ITN150/1	Major Project (Part-time)	1,2	24
ITN150/2	Major Project (Part-time)	1,2	24

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).

Part-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**
Year 2, Semester 1			
ITP327	Organisation of Knowledge	12	3
	Elective Unit	12	3
Year 2, Semester 2			
ITP313	Information Sources & Services	12	3
ITP330	Field Experience	12	-

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.

ITN351	Information Sources 2	12	3
ITN352	Information Organisation 2	12	3
ITN353	Records Management	12	3
ITN354	Organising Multicultural Information Resources & Services	12	3
ITN355	Information Resources & Services for Business & Industry	12	3
ITN356	Resources & Services for Young People	12	3

[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		Credit Points	Contact Hrs/wk
Year 1, Semester 1			
ITN343	Principles of Information Management	12	3
ITP327	Information Organisation 1	12	3
ITP328	Information Sources 1	12	3
One unit selected from the following:			
ITN210	Foundations of Information Modelling	12	3
ITN340	Information Agencies[6]	12	3
ITB330	Information Issues & Values[6]	12	3
Year 1, Semester 2			
MGN409	Introduction to Management	12	3
ITN211	System Analysis & Design	12	3
ITP329	Information Resources Provision	12	3
ITP330	Professional Practice	12	-
Part-time Course Structure			
Year 1, Semester 1			
ITN343	Principles of Information Management	12	3
ITP327	Information Organisation 1	12	3
Year 1, Semester 2			
MGN409	Introduction to Management	12	3
ITP329	Information Resources Provision	12	3
Year 2, Semester 1			
ITP328	Information Sources 1	12	3
One unit selected from the following:			
ITN210	Foundations of Information Modelling	12	3
ITB330	Information Issues & Values[6]	12	3
Year 2, Semester 2			
ITN211	System Analysis & Design	12	3
ITP330	Professional Practice	12	-

[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		Credit Points	Contact Hrs/Wk
Semester 1			
ITN100	Research Methodologies	12	3
ITN110	Project (Honours)	12	3
	Elective	12	3
	Elective	12	3
Semester 2			
ITN120	Dissertation	24	
	Elective	12	3
	Elective	12	3
Part-time Course Structure			
Year 1, Semester 1			
	Elective	12	3
	Elective	12	3
Year 1, Semester 2			
ITN100	Research Methodologies	12	3
ITN110	Project (Honours)	12	
Year 2, Semester 1			
ITN130/1	Dissertation (Part-time)[7]	12	
	Elective	12	3
Year 2, Semester 2			
ITN130/2	Dissertation (Part-time)[7]	12	
	Elective	12	3

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			
ITN420	Comparative Programming Languages	12	3
ITN421	Software Specification	12	3
ITN430	Advanced Operating Systems	12	3
ITN431	Distributed Systems	12	3
ITN440	Advanced Graphics	12	3
ITN441	Artificial Intelligence	12	3
ITN442	Compiler Construction	12	3
ITN443	Neurocomputing	12	3
ITN444	Parallel Processing	12	3
ITN445	Pattern Recognition	12	3
Data Communications			
ITN530	Corporate Telecommunications	12	3
ITN531	Network Security	12	3
ITN540	Advanced Network Technologies	12	3
ITN553	OS Security & Management	12	3
ITN554	Special Topic	12	3
ITN555	Special Topic	12	3
ITN556	Advanced Topics in Cryptology	12	3
Information Management			
ITN340	Information Agencies	12	3
ITN341	Information Policy & Planning	12	3
ITN342	Information Science	12	3
Information Systems			
ITN220	Major Issues in Information Systems	12	3
ITN221	Object-Oriented Analysis & Design	12	3
ITN230	Current Advances in Database Technology	12	3
ITN231	Knowledge-based Systems	12	3
ITN241	Advanced Topics in Human–Computer Interaction	12	3
ITN243	Access Methods for Information Systems	12	3
ITN244	Special Topic	12	3
ITN245	Special Topic	12	3
ITN250	Distributed Database Systems	12	3

■ 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-Hononrs 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 Reqnirements

Year 1	**BLOCK 1** (96 credit points)	Common Year
Years 2 & 3	**BLOCK 2** (96 credit points)	Primary Major
	BLOCK 3 (96 credit points)	**ONE OF THE FOLLOWING:** □ Extended Major and a Minor □ Pre-Honours Extended Major and a Minor □ Secondary Major □ Two Minors

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		Credit Points	Contact Hrs/Wk
Year 1, 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
Year 1, Semester 2			
ITB102	Laboratory 2 (Computer Applications)	12	3
ITB310	Information Management 1	12	3
ITB411	Software Development 2	12	3
ITB412	Technology of Information Systems	12	3
Part-Time Course Structure (Commencing Students in 1996)			
Year 1, Semester 1			
ITB101	Laboratory 1 (Computing Environments)	12	3
ITB210	Formal Representation	12	3
Year 1, Semester 2			
ITB310	Information Management 1	12	3
ITB410	Software Development 1	12	3
Year 2, Semester 1			
BSB118	Business Communication & Application Systems	12	3
ITB412	Technology of Information Systems	12	3
Year 2, Semester 2			
ITB102	Laboratory 2 (Computer Applications)	12	3
ITB411	Software Development 2	12	3
Part-Time Course Structure (Commencing Students 1995)			
Year 2, Semester 1			
ITB411	Software Development 2	12	3
ITB412	Technology of Information Systems	12	3
Year 2, Semester 2			
ITB102	Laboratory 2 (Computer Applications)	12	3
ITB310	Information Management 1	12	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		Credit Points	Contact Hrs/Wk
Year 2, Semester 1			
ITB420	Computer Architecture	12	3
ITB421	Data Structures & Algorithms	12	3
ITB422	Laboratory 3 (ADTs in a Unix environment)	12	3
ITB520	Data Communications	12	3
Year 2, Semester 2			
ITB424	Software Engineering Principles	12	3
ITB431	Programming Language Paradigms	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Year 3, Semester 1			
ITB423	Laboratory 4 (Software Development)	12	3
ITB430	Concurrent Systems	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Year 3, Semester 2			
	Block 3 Unit	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3

Part-Time Course Structure			
Year 3, Semester 1			
ITB520	Data Communications	12	3
	Block 3 Unit	12	3
Year 3, Semester 2			
ITB421	Data Structures & Algorithms	12	3
ITB422	Laboratory 3 (ADTs in a Unix environment)	12	3
Year 4, Semester 1			
ITB424	Software Engineering Principles	12	3
	Block 3 Unit	12	3
Year 4, Semester 2			
ITB423	Laboratory 4 (Software Development)	12	3
	Block 3 Unit	12	3
Year 5, Semester 1			
ITB431	Programming Language Paradigms	12	3
	Block 3 Unit	12	3
Year 5, Semester 2			
ITB420	Computer Architecture	12	3
	Block 3 Unit	12	3
Year 6, Semester 1			
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Year 6, Semester 2			
ITB430	Concurrent Systems	12	3
	Block 3 Unit	12	3

B: Data Communications Primary Major

Major Coordinator: Mr Neville Richter

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 2, Semester 1			
ITB422	Laboratory 3 (ADTs in a UNIX Environment)	12	3
ITB520	Data Communications	12	3
MAB177	Mathematics for Data Communications	12	3
	Block 3 Unit	12	3
Year 2, Semester 2			
ITB521	Laboratory 3 (Computer Networks)	12	3
ITB522	Advanced Data Communications	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Year 3, Semester 1			
ITB530	Transport Protocols	12	3
ITB531	Applications Services	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Year 3, Semester 2			
ITB532	Laboratory 4 (Network Management)	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Part-Time Course Structure			
Year 3, Semester 1			
ITB520	Data Communications	12	3
MAB177	Mathematics for Data Communications	12	3
Year 3, Semester 2			
ITB422	Laboratory 3 (ADTs in a UNIX Environment)	12	3
ITB522	Advanced Data Communications	12	3
Year 4, Semester 1			
ITB521	Laboratory 3 (Computer Networks)	12	3
	Block 3 Unit	12	3
Year 4, Semester 2			
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Year 5, Semester 1			
ITB530	Transport Protocols	12	3
	Block 3 Unit	12	3
Year 5, Semester 2			
ITB531	Application Services	12	3
	Block 3 Unit	12	3
Year 6, Semester 1			
ITB532	Laboratory 4 (Network Management)	12	3
	Block 3 Unit	12	3
Year 6, Semester 2			
	Block 3 Unit	12	3
	Block 3 Unit	12	3

C: Database Systems Primary Major

Major Coordinator: Mr David Edmond

Full-time Course Structure		Credit Points	Contact Hrs/Wk
Year 2, Semester 1			
ITB220	Database Design	12	3
ITB221	Lab 3 (Commercial Programming)	12	3
ITB222	Systems Analysis & Design 1	12	3
	Block 3 Unit	12	3
Year 2, Semester 2			
ITB233	File Structures	12	3
ITB246	Unix & C	12	3
ITB249	The Theoretical Foundations of Database Systems	12	3
	Block 3 Unit	12	3
Year 3, Semester 1			
ITB232	Database Management	12	3
ITB236	Object-Oriented Analysis & Design	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Year 3, Semester 2			
	Block 3 Unit	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3

Part-time Course Structure			
Year 3, Semester 1			
ITB220	Database Design	12	3
ITB221	Laboratory 3 (Commercial Programming)	12	3
Year 3, Semester 2			
ITB233	File Structures	12	3
ITB249	The Theoretical Foundations of Database Systems	12	3
Year 4, Semester 1			
ITB222	Systems Analysis & Design 1	12	3
	Block 3 Unit	12	3
Year 4, Semester 2			
ITB246	Unix & C	12	3
	Block 3 Unit	12	3
Year 5, Semester 1			
ITB232	Database Management	12	3
ITB236	Object-Oriented Analysis & Design	12	3
Year 5, Semester 2			
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Year 6, Semester 1			
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Year 6, Semester 2			
	Block 3 Unit	12	3
	Block 3 Unit	12	3

D: Information Management Primary Major

Major Coordinator: Mr Michael Middleton

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 2, Semester 1			
ITB220	Database Design	12	3
ITB320	Laboratory 3 (Database Applications)	12	3
ITB321	Systems Analysis	12	3
ITB322	Information Resources	12	3
Year 2, Semester 2			
ITB323	Laboratory 4 (Information Support Methods)	12	3
ITB331	Information Management 2	12	3
ITB520	Data Communications	12	3
	Block 3 Unit	12	3
Year 3, Semester 1			
ITB330	Information Issues & Values	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Year 3, Semester 2			
	Block 3 Unit	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3

Part-Time Course Structure

Year 3, Semester 1			
ITB321	Systems Analysis	12	3
ITB322	Information Resources	12	3
Year 3, Semester 2			
ITB331	Information Management 2	12	3
	Block 3 Unit	12	3
Year 4, Semester 1			
ITB220	Database Design	12	3
ITB320	Laboratory 3 (Database Applications)	12	3
Year 4, Semester 2			
ITB323	Laboratory 4 (Information Support Methods)	12	3
ITB520	Data Communications	12	3
Year 5, Semester 1			
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Year 5, Semester 2			
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Year 6, Semester 1			
ITB330	Information Issues & Values	12	3
	Block 3 Unit	12	3
Year 6, Semester 2			
	Block 3 Unit	12	3
	Block 3 Unit	12	3

E: Information Systems Primary Major

Major Coordinator: Vacant

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 2, Semester 1			
ITB220	Database Design	12	3
ITB221	Laboratory 3 (Commercial Programming)	12	3
ITB222	Systems Analysis & Design 1	12	3
ITB520	Data Communications	12	3
Year 2, Semester 2			
ITB223	Laboratory 4 (4GL Programming)	12	3
ITB224	Systems Analysis & Design 2	12	3
ITB233	File Structures	12	3
	Block 3 Unit	12	3
Year 3, Semester 1			
	Block 3 Unit	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Select one of the following units:			
ITB230	Project	12	3
ITB231	Applications Development	12	3
Year 3, Semester 2			
	Block 3 Unit	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3

Part-Time Course Structure

Year 3, Semester 1			
ITB222	Systems Analysis & Design 1	12	3
ITB520	Data Communications	12	3
Year 3, Semester 2			
ITB221	Laboratory 3 (Commercial Programming)	12	3
ITB224	Systems Analysis & Design 2	12	3
Year 4, Semester 1			
ITB220	Database Design	12	3
	Block 3 Unit	12	3
Year 4, Semester 2			
ITB223	Laboratory 4 (4GL Programming)	12	3
	Block 3 Unit	12	3
Year 5, Semester 1			
	Block 3 Unit	12	3
Select one of the following units:			
ITB230	Project	12	3
ITB231	Applications Development	12	3
Year 5, Semester 2			
ITB233	File Structures	12	3
	Block 3 Unit	12	3
Year 6, Semester 1			
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Year 6, Semester 2			
	Block 3 Unit	12	3
	Block 3 Unit	12	3

F: Software Engineering Primary Major

Major Coordinator: Mr Richard Thomas

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 2, Semester 1			
ITB222	Systems Analysis & Design 1	12	3
ITB421	Data Structures & Algorithms	12	3
ITB422	Laboratory 3 (ADTs in a Unix environment)	12	3
	Block 3 Unit	12	3
Year 2, Semester 2			
ITB424	Software Engineering Principles	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Year 3, Semester 1			
ITB423	Laboratory 4 (Software Development)	12	3
ITB448	Object Technology	12	3
ITB454	Software Quality Assurance	12	3
	Block 3 Unit	12	3
Year 3, Semester 2			
ITB455	Integrated Software Engineering Environments	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3
	Block 3 Unit	12	3

Part-Time Course Structure			
Year 3, Semester 1			
ITB222	Systems Analysis & Design 1	12	3
ITB421	Data Structures & Algorithms	12	3
Year 3, Semester 2			
ITB422	Laboratory 3 (ADTs in a Unix environment)	12	3
	Block 3 Unit	12	3
Year 4, Semester 1			
ITB424	Software Engineering Principles	12	3
	Block 3 Unit	12	3
Year 4, Semester 2			
ITB423	Laboratory 4 (Software Development)	12	3
	Block 3 Unit	12	3
Year 5, Semester 1			
	Block 3 Unit	12	3
	Block 3 Unit	12	3
Year 5, Semester 2			
ITB455	Integrated Software Engineering Environments	12	3
ITB448	Object Technology	12	3
Year 6, Semester 1			
ITB454	Software Quality Assurance	12	3
	Block 3 Unit	12	3
Year 6, Semester 2			
	Block 3 Unit	12	3
	Block 3 Unit	12	3

☐ 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)

ITB440	Language & Language Processing	12	3
ITB446	Project[8]	12	
	Computing Science Elective Unit[8]	12	3
	Computing Science Elective Unit[8]	12	3

Computing Science Electives

First Semester Electives

ITB441	Graphics	12	3
ITB442	Foundations of Artificial Intelligence	12	3
ITB443	Systems Programming	12	3
ITB444	Special Studies 1	12	3
ITB447	Project	12	
ITB448	Object Technology	12	3
ITB451	Project[9]	24	
ITB454	Software Quality Assurance	12	3
ITB457	Functional Programming	12	3
ITB461	Foundations of Neurocomputing	12	3
ITB463	Foundations of Pattern Recognition	12	3

Second Semester Electives

ITB443	Systems Programming	12	3
ITB445	Special Studies 2	12	3
ITB449	Expert Systems	12	3
ITB451	Project	24	
ITB453	Project	24	
ITB455	Integrated Software Engineering Environment	12	3
ITB456	Intelligent Graphic User Interfaces	12	3
MAB172	Statistical Methods	12	3

PRE-HONOURS EXTENDED MAJOR

(for selected Computing Science primary major students only)

ITB440	Languages & Language Processing	12	3
ITB450	Advanced Computer Architecture	12	3
ITB452	Project Work	24	

[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	
	Data Communications Elective Unit	12	3

1b: Data Communications Extended Major (Telecommunications)

ITB534	Telecommunications Modelling	12	3
ITB544	Project	12	
MAB178	Mathematics for Telecommunications	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

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	
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	
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	
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
ITB245	Special Topic 2	12	3
ITB246	Unix & C	12	3
ITB249	Theoretical Foundations of Database Systems	12	3
MAB172	Statistical Methods	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

PRE-HONOURS EXTENDED MAJOR
(for selected Information Systems primary major students only)

ITB240	Project	12	
ITB241	Information Systems Management	12	3
ITB249	Theoretical Foundations of Database Systems	12	3
MAB272	Research Methods	12	3

E: SOFTWARE ENGINEERING EXTENDED MAJOR
(for Software Engineering primary major students only)

ITB446	Project[10]	12	
ITB456	Intelligent Graphic User Interfaces	12	3
	Software Engineering Elective Unit[10]	12	3
	Software Engineering Elective Unit	12	3

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[11]	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	

PRE-HONOURS EXTENDED MAJOR
(for selected Software Engineering primary major students only)

ITB452	Project	24	
ITB456	Intelligent Graphic User Interfaces	12	3
	Software Engineering Elective Unit	12	3

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 Elective Unit	12	3
	Information Systems Elective Unit	12	3

INFORMATION SYSTEMS SECONDARY MAJOR

(for Information Management primary major students)

BSB115	Management, People & Organisations	12	3

ITB221	Laboratory 3 (Commercial Programming)	12	3
ITB224	Systems Analysis & Design 2	12	3
ITB232	Database Management	12	3
ITB240	Project	12	
ITB241	Information Systems Management	12	3
MAB172	Statistical Method	12	3
SSB937	Applied Cognitive Psychology	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
ITB421	Data Structures & Algorithms	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 Interface	12	3

SOFTWARE ENGINEERING SECONDARY MAJOR

(for Information Management primary major students)

ITB222	Systems Analysis & Design 1	12	3
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

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)

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 Unit	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 1	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 Structures & Algorithms	12	3
ITB424	Software Engineering Principles	12	3
ITB454	Software Quality Assurance	12	3

Select one of the following units:

ITB423	Laboratory 4 (Software Development)		
ITB448	Object Technology	12	3
ITB455	Integrated Software Engineering Environments	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

☐ 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		Credit Points	Contact Hrs/Wk
Year 1, Semester 2			
BSB118	Business Communication & Application Systems	12	3
ITB101	Laboratory 1 (Computing Environments)	12	3
ITB410	Software Development 1	12	3
ITB520	Data Communication	12	3
Year 2, Semester 1			
ITB210	Formal Representation	12	3
ITB412	Technology of Information Systems	12	3
	Minor Unit	12	3
	Minor Unit	12	3
Year 2, Semester 2			
ITB102	Laboratory 2 (Computer Applications)	12	3
ITB310	Information Management 1	12	3
ITB411	Software Development 2	12	3
	Minor Unit	12	3

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.

FACULTY OF LAW

Courses

FACULTY OF LAW

Course Structures

■ Doctor of Juridical Science (LW50)[1]

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 1 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)[2]

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		Credit Points
Year 1, Semester 1		
JSN001	Theories of Justice 1	12
JSN002	Theoretical Criminology	12
JSN003	Applied Criminology	12
JSN004	Issues in Criminal Justice	12
Year 1, Semester 2		
JSN005	Theories of Justice 2	12
plus:	Elective Unit	12
JSN006	Independent Study 1 OR Elective	12
JSN007	Independent Study 2 OR Elective	12

[2] *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.

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 then 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		Credit Points
LWN003	Advanced Family Law[3, 4]	24
LWN008	Commercial Leases[3, 4]	24
LWN017	Restitution[3, 4]	12
LWN018	Select Problems of Trusts[4]	12
LWN020	Non-resident & Foreign Source Taxation	12
LWN021	Banking & Finance Law 1[4]	12
LWN022	Banking & Finance Law 2[4]	12
LWN024	Select Problems of Tribunals and Enquiries	12
LWN025	Research Project 1A[4]	12
LWN026	Research Project 2A[3, 4]	24
LWN028	Advanced Securities	12
LWN030	Dispute Resolution/Mediation[4]	12
LWN031	Foreign Investment Law & Practice	12
LWN032	Credit for UQ Subject 1[4]	12
LWN033	Credit for UQ Subject 2[4]	12
LWN034	Credit for UQ Subject 3[3, 4]	24
LWN035	Medico-legal Issues	12
LWN036	Select Issues of Intellectual Property Law	12
LWN037	Stamp Duty and Commercial Transactions	12
LWN038	Capital Gains Tax and Commercial Transactions	12
LWN041	Economic Analysis of the Law	12
LWN043	Law of Company Takeovers[4]	12
LWN044	Institutional Investors	12
LWN045	The Law Relating to Public and Official Corruption	12
LWN046	Advanced Planning Law[4]	12
LWN047	Legal Education[4]	12
LWN048	Advanced Legal Research[4]	12
LWN049	International Environmental Law[4]	12
LWN050	Restrictive Trade Practices Law[4]	12
LWN051	Consumer Protection & Product Liability[4]	12
LWN052	Litigation – Civil Procedure[4]	12
LWN053	Research Project 1B[4]	12
LWN054	Contemporary Commercial Legal Issues[4]	12
LWN055	Civil Rights[4]	12
LWN056	Research Project 1C[4]	12
LWN057	Research Project 1D[4]	12
LWN058	Research Project 2B[3, 4]	24
LWN059	Remedies	12
LWN060	Environmental Legal System[4]	12
LWN061	Natural Resources Law[4]	12
LWN062	Federal Environmental Law[4]	12
LWN063	Comparative Environmental Law	12
LWN064	Theories of Contemporary Legal Critiques[4]	12

[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.*

LWN065	Construction & Engineering Law[7]	12
LWN066	Advanced Insurance Law[6, 7]	24
LWN070	Credit for UQ Subject 4[7]	12
LWN071	Credit for UQ Subject 5[7]	12
LWN072	Credit for UQ Subject 6[6, 7]	24
LWN075	International Commercial Transactions[7]	12
LWN076	International Commercial Disputes[7]	12
LWN077	Litigation – Evidence[7]	12
LWN078	Advanced Criminal Evidence & Procedure[5, 7]	12
LWN079	Joint Ventures[5, 7]	12
LWN080	Select Issues in the Law of Obligations[5, 7]	12
LWN081	Restitution 2[5]	12
LWN082	Intellectual Property: Litigation[5, 7]	12
LWN083	Estate Planning[5, 7]	12
LWN084	International Law of the Sea[5, 7]	12
LWN085	International Marine Pollution Law[5, 7]	12
LWN086	Selected Issues in Practising Law[5, 7]	12
LWN087	Contemporary Issues in Torts	12
LWN088	Government Law, Policy and Practice[5, 7]	12
LWN089	Current Legal Problems Affecting Sports[5, 7]	12

LWN100 Honours Dissertation

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

[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:

(i) 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)[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

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 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		Credit Points
Year 1, Semester 1		
JSP001	Law and Government 1, OR	12
JSP002	Principles of Criminal Law 1	12
JSP003	Law and Government 2, OR	12
JSP004	Principles of Criminal Law 2	12
plus:	Professional Minor 1*	12
plus:	Professional Minor 2*	12
Year 1, Semester 2		
JSP005	Justice Organisations	12
JSP006	Research Design and Methodology	12
plus:	Professional Minor 3* OR Elective	12
plus:	Professional Minor 4* OR Elective	12

Part-Time Course Structure		
Year 1, Semester 1		
JSP001	Law and Government 1, OR	12
JSP002	Principles of Criminal Law 1	12
plus:	Professional Minor 1*	12
Year 1, Semester 2		
JSP003	Law and Government 2, OR	12
JSP004	Principles of Criminal Law 2	12
plus:	Professional Minor 2*	12

[8] *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 1
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	Credit Points
Semester 1	
LPP001/1 Legal Practice	48
Semester 2	
LPP001/2 Legal Practice	48

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
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 *QIT*, GradDipLegalPrac *QIT*, 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.

Course Structure (Continuing students only)		Credit Points	Contact Hrs/Wk
Year 5, Semester 1			
LWB431	Civil Procedure	12	3
LWB432	Evidence	12	3
	Elective Units[9]	24	
Year 5, Semester 2			
LWB333	Theories of Law	12	3
LWB433	Professional Responsibility	12	3
LWB434	Advanced Research & Legal Reasoning	12	3
	Elective Units[9]	12	

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.

Course Structure (Continuing students only)		Credit Points	Contact Hrs/Wk
Year 2, Semester 1			
LWB132/1	Contracts	12	3
LWB133/1	Torts	12	4
Year 2, Semester 2			
LWB132/2	Contracts	12	3
LWB133/2	Torts	12	4
Year 3, Semester 1			
LWB231	Introduction to Public Law	12	3
LWB232/1	Criminal Law & Procedure	12	3

[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 Units[10, 11]		
Year 5, Semester 2			
LWB433	Professional Responsibility	12	3
LWB434	Advanced Research & Legal Reasoning	12	3
	Elective Units[10, 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)		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
LWB130	Introduction to Study in Law		(2 weeks)
LWB131/1	Law in Context	12	3
LWB132/1	Contracts	12	3
LWB133/1	Torts	12	4
LWB134	Research and Legal Reasoning	12	3
Year 1, Semester 2			
LWB131/2	Law in Context	12	3
LWB132/2	Contracts	12	3
LWB133/2	Torts	12	4
LWB135	Legislation	12	3

[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		**Credit Points**	**Contact Hrs/Wk**
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
Year 1, Semester 2			
LWB131/2	Law in Context	12	3
LWB135	Legislation	12	3

[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.*

Year 2, Semester 1			
LWB132/1	Contracts	12	3
LWB133/1	Torts	12	4
Year 2, Semester 2			
LWB132/2	Contracts	12	3
LWB133/2	Torts	12	4
Year 3, Semester 1			
LWB231	Introduction to Public Law	12	3
LWB233/1	Property 1	12	3
LWB234/1	Equity & Trusts	12	3
Year 3, Semester 2			
LWB233/2	Property 1	12	3
LWB234/2	Equity & Trusts	12	3
LWB235	Australian Federal Constitutional Law	12	3
Year 4, Semester 1			
LWB232/1	Criminal Law & Procedure	12	3
LWB331	Administrative Law	12	3
	Elective Units[13]		
Year 4, Semester 2			
LWB232/2	Criminal Law & Procedure	12	3
LWB333	Theories of Law	12	3
	Elective Units[13]		
Year 5, Semester 1			
LWB332	Property 2	12	3
	Elective Units[13]		
Year 5, Semester 2			
LWB334	Corporate Law	12	3
	Elective Units[13]		
Year 6, Semester 1			
LWB431	Civil Procedure	12	3
LWB432	Evidence	12	3
	Elective Units[13]		
Year 6, Semester 2			
LWB433	Professional Responsibility	12	3
LWB434	Advanced Research & Legal Reasoning	12	3
	Elective Units[13]		

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.

		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
LWB130	Introduction to Study in Law		(2 weeks)
LWB131/1	Law in Context	12	3
LWB132/1	Contracts	12	3
LWB133/1	Torts	12	4
LWB134	Research & Legal Reasoning	12	3

[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.*

Year 1, Semester 2			
LWB131/2	Law in Context	12	3
LWB132/2	Contracts	12	3
LWB133/2	Torts	12	4
LWB135	Legislation	12	3
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
LWB332	Property 2	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
LWB334	Corporate Law	12	3
Year 3, Semester 1			
LWB331	Administrative Law	12	3
LWB431	Civil Procedure	12	3
LWB432	Evidence	12	3
	Elective Units[14]		
Year 3, Semester 2			
LWB333	Theories of Law	12	3
LWB433	Professional Responsibility	12	3
LWB434	Advanced Research & Legal Reasoning	12	3
	Elective Units[14]		

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.

		Credit Points	Contact Hrs/Wk
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
Year 1, Semester 2			
LWB131/2	Law in Context	12	3
LWB135	Legislation	12	3
Year 2, Semester 1			
LWB132/1	Contracts	12	3
LWB133/1	Torts	12	4
LWB232/1	Criminal Law & Procedure	12	3

[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

LWB132/2	Contracts	12	3
LWB133/2	Torts	12	4
LWB232/2	Criminal Law & Procedure	12	3

Year 3, Semester 1

LWB231	Introduction to Public Law	12	3
LWB233/1	Property 1	12	3
LWB234/1	Equity & Trusts	12	3

Year 3, Semester 2

LWB233/2	Property 1	12	3
LWB234/2	Equity & Trusts	12	3
LWB235	Australian Federal Constitutional Law	12	3

Year 4, Semester 1

LWB331	Administrative Law	12	3
LWB332	Property 2	12	3
	Elective Units[15]		

Year 4, Semester 2

LWB333	Theories of Law	12	3
LWB334	Corporate Law	12	3
	Elective Units[15]		

Year 5, Semester 1

LWB431	Civil Procedure	12	3
LWB432	Evidence	12	3
	Elective Units[15]		

Year 5, Semester 2

LWB433	Professional Responsibility	12	3
LWB434	Advanced Research & Legal Reasoning	12	3
	Elective Units[15]		

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.

LWB302	Family Law	12	3
LWB306	Local Government and Planning Law	8	2
LWB307	Insolvency Law	12	3
LWB308	Industrial Law	8	2
LWB309	Succession	8	2
LWB312	Land Contracts	12	3
LWB313	Discrimination/Equal Opportunity Law	12	3
LWB351	Aboriginal and Islander Legal Issues	8	2
LWB353	Advanced Administrative Law	8	2
LWB354	Advanced Civil Procedure	8	2
LWB356	Advocacy	8	2
LWB359	Advanced Taxation Law	12	3
LWB361	Drafting	8	2
LWB363	Insurance Law	8	2
LWB364	Introduction to Taxation Law	12	3
LWB366	Law of Commercial Entities	8	2
LWB367	Law of Corporate Governance	12	3
LWB406	Fundamentals of Public International Law	8	2
LWB407	Conflict of Laws	12	3
LWB410	Restrictive Trade Practices	8	2

[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 there are sufficient Law 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.

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
LWB407 Conflict of Laws
LWB452 Asian Legal Systems
LWB454 Banking and Finance Law
LWB458 Consumer Protection
LWB483 Medico-Legal Issues
LWB485 Environmental Law
LWB486 Intellectual Property Law
LWB492 Securities

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:

		Credit Points	Contact Hrs/Wk
LWB315	Jessup International Law Moot	8	2
LWB482	Computers and the Law	8	2
LWB483	Medico-Legal Issues	8	2

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.

Full-Time Course Structure		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
JSB011	Social Issues for Justice Professionals 1	12	3
JSB012	Communication for Justice Professionals	12	3
JSB014	Introduction to Justice Studies	12	3
LWB130	Introduction to Study in Law		(2 weeks)
LWB131/1	Law in Context	12	3
LWB134	Research and Legal Reasoning	12	3
Year 1, Semester 2			
JSB015	Social Issues for Justice Professionals 2	12	3
JSB016	Interpersonal Skills for Justice Professionals	12	3
JSB018	Criminology 1	12	3
LWB131/2	Law in Context	12	3
LWB135	Legislation	12	3
Year 2, Semester 1			
JSB021	Criminology 2	12	3
JSB022	Principles of Criminal Law 1	12	3
LWB132/1	Contracts	12	3
Select one unit from the following:			
JSB052	Police Procedure & Practice	12	3
JSB061	Process Theory & Application	12	3
JSB071	Corrections & the Community 1	12	3
JSB081	Law and Public Policy	12	3
Year 2, Semester 2			
JSB023	Human Dynamics & the Criminal Justice Process 1	12	3
JSB024	Principles of Criminal Law 2	12	3
LWB132/2	Contracts	12	3
Select one unit from the following:			
JSB053	Organised Crime	12	3
JSB062	Protective Security Theory & Application	12	3

JSB072	Corrections & the Community 2	12	3
JSB082	Legal Rights & Responsibilities	12	3
Year 3, Semester 1			
JSB031	Investigation & Evidence	12	3
JSB032	Alternative Justice Processes	12	3
LWB133/1	Torts	12	4
Select one unit from the following:			
JSB054	Issues in Policing	12	3
JSB063	Intelligence Research Issues, Procedures & Practice	12	3
JSB073	Corrections & the Community 3	12	3
JSB083	Administrative Law & Justice	12	3
Year 3, Semester 2			
JSB033	Human Dynamics & the Criminal Justice Process 2	12	3
JSB034	Justice & Accountability	12	3
LWB133/2	Torts	12	4
Select one unit from the following:			
JSB092	Applied Justice Research	12	3
JSB064	Protective Security: Issues & Practice	12	3
JSB074	Corrections & the Community 4	12	3
JSB084	Justice & Human Rights	12	3
Year 4, Semester 1			
LWB232/1	Criminal Law and Procedure	12	3
LWB231	Introduction to Public Law	12	3
LWB233/1	Property 1	12	3
LWB234/1	Equity and Trusts	12	3
LWB332	Property 2	12	3
Year 4, Semester 2			
LWB232/2	Criminal Law and Procedure	12	3
LWB235	Australian Federal Constitutional Law	12	3
LWB233/2	Property 1	12	3
LWB234/2	Equity and Trusts	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 Units[17]	24	
Year 5, Semester 2			
LWB333	Theories of Law	12	3
LWB433	Professional Responsibility	12	3
LWB434	Advanced Research and Legal Reasoning	12	3
	Elective Units[17]	24	

■ Bachelor of Arts (Justice Studies) (Honours) (JS40)[18]

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

[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 preceeding 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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
JSB401	Applied Criminology	12	3
JSB402	Professional Studies 1[19]	12	3
JSB403	Professional Studies 2[19]	12	3
JSB404	Thesis	12	3
Year 1, Semester 2			
JSB405	Justice Organisations	12	3
JSB406	Thesis	36	3

Part-Time Course Structure			
Year 1, Semester 1			
JSB401	Applied Criminology	12	3
JSB402	Professional Studies 1[19]	12	3
Year 1, Semester 2			
JSB405	Justice Organisations	12	3
JSB404	Thesis	12	3
Year 2, Semester 1			
JSB403	Professional Studies 2[19]	12	3
JSB407	Thesis	12	3
Year 2, Semester 2			
JSB408	Thesis	24	3

[19] *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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
JSB011	Social Issues for Justice Professionals 1	12	3
JSB012	Communication for Justice Professionals	12	3
JSB013	Law and Government 1	12	3
JSB014	Introduction to Justice Studies	12	3
Year 1, Semester 2			
JSB015	Social Issues for Justice Professionals 2	12	3
JSB016	Interpersonal Skills for Justice Professionals	12	3
JSB017	Law and Government 2	12	3
JSB018	Criminology 1	12	3
Year 2, Semester 1			
JSB021	Criminology 2	12	3
JSB022	Principles of Criminal Law 1	12	3
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 2, Semester 2			
JSB023	Human Dynamics and the Criminal Justice Process 1	12	3
JSB024	Principles of Criminal Law 2	12	3
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 3, Semester 1			
JSB031	Investigation and Evidence	12	3
JSB032	Alternative Justice Processes	12	3
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 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
JSB202	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)*

Year 2, Semester 2

JSB033	Human Dynamics and the Criminal Justice Process 2	12	3
JSB021	Criminology 2	12	3

Year 3, Semester 1

JSB052	Police Procedure and Practice	12	3
JSB061	Process Theory and Application	12	3

Year 3, Semester 2

JSB051	Introduction to Criminal Law and Evidence	12	3
JSB062	Protective Security – Theory and Application	12	3

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).

FACULTY OF SCIENCE

Policies

Courses

FACULTY OF SCIENCE

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-enrols 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.

■ 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 at the time of application for registration, 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 provided that, 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 IFN001 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.

		Credit Points
CHEMISTRY STRAND		
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:		
ESN110	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 peceding 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).

Stage 1		Credit Points	Contact Hrs/Wk
First Semester			
LSB142	Human Anatomy & Physiology (MP)	12	5
LSN159	Advanced Pathology (C+)	12	4
PHN112	Medical Imaging Science (MP)	12	4
PHN113	Radiation Physics (MP/MI)	12	4
PHN114	Microprocessors & Instrumentation (MP)	12	4
PHN155	Ultrasonic Examination in Obstetrics/Gynaecology (MU)	6	2
PHN156	Ultrasonic Examination of the Abdomen (MU)	6	2
PHN162	Principles of Medical Ultrasound (MU/MI)	12	4
PHN171	Advanced Oncological Imaging (RT)	12	4
PHN173	Advanced Radiotherapy Technique (RT)	12	4
PHN181	Principles of Medical Image Processing (MI/RT)	6	2
PHN182	Computer Tomography (MI)	6	2
PHN183	Nuclear Medicine (MI)[1]	12	4
PHN184	Breast Imaging (MI)[1]	12	4
PHN197	Clinical Attachment 1 (C+)	12	
Second Semester			
PHN211	Medical Imaging (MP)	12	4
PHN212	Radiotherapy (MP)	12	4
PHN213	Biomechanics/Physiological Measurement (MP)	12	4
PHN214	Health & Occupational Physics (MP)	12	4
PHN216	Medical & Health Technology Management (C)	6	2
PHN217	Research Methodology (C)	6	2
PHN271	Principles of Oncology (RT)	12	4
PHN272	Brachytherapy (RT)	6	2

[1] *Full-year subject, continues semester 2.*

PHN273	Advanced Computer Planning (RT)	6	2
PHN281	Magnetic Resonance Imaging (MI)	12	4
PHN282	Digital Subtraction Angiography (MI)	6	2
PHN291	Medical Diagnosis (C+)	6	2
PHN297	Clinical Attachment 2 (C+)	12	
PHN354	Ultrasonic Examinations of the Head, Neck & Peripheral Organs (MU)	6	2
PHN355	Cardiovascular Ultrasound (MU)	12	4

Summer Term

PHN397	Clinical Attachment 3 (C+)	12

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	**Credit Points**
PHN520/1/2	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		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 2			
LSB637	Molecular Genetics	12	5
LSN102	Cellular Basis of Disease	12	3
LSN110	Molecular Basis of Disease	12	3
Specialist Elective, select one from the following:			
LSN510	Clinical Biochemistry 1	12	3
LSN511	Haematology 1	12	3
LSN512	Histopathology 1	12	3
LSN515	Microbiology 1	12	3
LSN517	Immunology 1	12	3
LSN518	Diagnostic Cytology 1	12	3
Year 2, Semester 1			
HRN104	Introduction to Management	12	3
LSN150	Ethics and Life Science	12	3
LSP735	Human Molecular Biology	12	5
Specialist Elective, select one from the following:			
LSN610	Clinical Biochemistry 2	12	3
LSN611	Haematology 2	12	3
LSN612	Histopathology 2	12	3
LSN615	Microbiology 2	12	3
LSN617	Immunology 2	12	3
LSN618	Diagnostic Cytology 2	12	3
Year 2, Semester 2			
LSN710	Project	48	

Part-Time Course Structure			
Year 1, Semester 2			
LSN102	Cellular Basis of Disease	12	3
LSN110	Molecular Basis of Disease	12	3
Year 2, Semester 1			
HRN104	Introduction to Management	12	3
LSN150	Ethics and Life Science	12	3
Year 2, Semester 2			
LSB637	Molecular Genetics	12	5
Specialist Elective, select one from the following:			
LSN510	Clinical Biochemistry 1	12	3
LSN511	Haematology 1	12	3
LSN512	Histopathology 1	12	3
LSN515	Microbiology 1	12	3
LSN517	Immunology 1	12	3
LSN518	Diagnostic Cytology 1	12	3
Year 3, Semester 1			
LSP735	Human Molecular Biology	12	5

Specialist Elective, select one from the following:

LSN610	Clinical Biochemistry 2	12	3
LSN611	Haematology 2	12	3
LSN612	Histopathology 2	12	3
LSN615	Microbiology 2	12	3
LSN617	Immunology 2	12	3
LSN618	Diagnostic Cytology 2	12	3

Year 3, Semester 2

LSN711	Project 1	24

Year 4, Semester 1

LSN712	Project 2	24

■ 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)		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 2			
LSB637	Molecular Genetics	12	5
Select three from the following:			
CHP220	Principles of Bioprocessing	12	5
LSB607	Biochemical Separations	12	5
LSB617	Plant Tissue Culture 2	12	5
LSN102	Cellular Basis of Disease	12	3
LSN110	Molecular Basis of Disease	12	3
Year 1, Semester 1			
LSP127	Business Aspects of Biotechnology	12	3
Select three from the following:			
CHP420	Bioprocess Engineering Laboratory	12	5
HRN104	Introduction to Management	12	3
LSB517	Plant Tissue Culture 1	12	5
LSN150	Ethics & Life Science	12	5
LSP735	Human Molecular Biology	12	5
LSP737	Plant & Animal Molecular Biology	12	5

Part-Time Course Structure (commencing students)

Year 1, Semester 2			
LSB607	Biochemical Separations	12	5
LSB637	Molecular Genetics	12	5
Year 1, Semester 1			
LSP127	Business Aspects of Biotechnology	12	3
LSP735	Human Molecular Biology	12	5
Year 2, Semester 2			
Select two from the following:			
CHP220	Principles of Bioprocessing	12	5
LSB617	Plant Tissue Culture 2	12	5
LSN102	Cellular Basis of Disease	12	3
LSN110	Molecular Basis of Disease	12	3
Year 2, Semester 1			
Select three from the following:			
CHP420	Bioprocess Engineering Laboratory	12	5
HRN104	Introduction to Management	12	3
LSB517	Plant Tissue Culture 1	12	5
LSN150	Ethics & Life Science	12	3
LSP737	Plant & Animal Molecular Biology	12	5

Bachelor of Applied Science (Honours) (SC60)

With majors in: Chemistry, Geology, Life Science, Mathematics and Physics.

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		Credit Points	Contact Hrs/Wk
CHEMISTRY MAJOR			
Semester 1			
CHB700/1	Research Project	24	
CHB701/1	Complementary Studies for Chemists	4	2
CHB780/1	Advanced Topics in Chemistry 1	12	6
IFN001	Advanced Information Retrieval Skills	4	2
	Elective Unit	6	
Semester 2			
CHB700/2	Research Project	24	
CHB701/2	Complementary Studies for Chemists	4	2
CHB780/2	Advanced Topics in Chemistry 1	12	6
	Elective Unit	6	

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 1	10	
LSB825/1	Project	28	
IFN001	Advanced Information Retrieval Skills	4	2

Semester 2

LSB722	Research Strategies	16	
LSB723/2	Readings in Life Science 1	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

PHB705/1	Project	24	
	Physics Elective Unit	12	4
	Physics Elective Unit	12	4

Semester 2

PHB705/2	Project	24	
	Physics Elective Unit	12	4
	Physics Elective Unit	12	4

Physics Elective Units

PHB706	Quantum Mechanics	12	4
PHB707	Advanced Materials	12	4
PHB708	Advanced Topics in Physics	12	4
PHN112	Medical Imaging Science	12	4
PHN113	Radiation Physics	12	4
PHN114	Microprocessors & Instrumentation	12	4
PHN211	Medical Imaging	12	4
PHN214	Health and Occupational Physics	12	4
PHN212	Radiotherapy	12	4

■ 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 enrols in an average of 48 credit points per semester for six semesters and a part-time student enrols in an average of 24 credit points per semester for 12 semesters.

4. To fulfil 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 A[2] Calculus and Vector Algebra[3] 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 1[4] Calculus & Analysis A[2] 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.*

Schedule of Units First Schedule – First Level Units		Semester Offered	Credit Points	Contact Hrs/Wk
CHB142	Chemistry 1	1	12	6
CHB182	Chemistry 1	1,2	12	6
CHB242	Chemistry 2	2	12	6
CHB282	Chemistry 2	1,2	12	6
CSB263	Computing	1,2	12	4
ESB122	Physical Geology	1	12	5
ESB222	Historical Geology	2	12	5
ITB410	Software Development 1	1,2	12	3
LSB118	Introduction to Life Science	1	12	5
LSB150	Human Anatomy	1,2	12	5
LSB228	Animal & Plant Structure & Function	2	12	5
LSB238	Cell and Molecular Biology 1	2	12	5
MAB102	Basic Mathematics	1	12	4
MAB200	Mathematics	1	12	4
MAB237	Statistics	1,2	12	4
MAB301	Calculus & Analysis A	1,2	12	4
MAB303	Algebra & Analysis B	1,2	12	4
MAB304	Calculus & Vector Algebra	1,2	12	4
MAB321	Computational Mathematics 1	1,2	12	4
MAB342	Mathematics of Finance	1,2	12	4
MAB347	Statistics 1A	1,2	12	4
MAB348	Statistics 1B	1,2	12	4
PHB122	Physics 1	1	12	5
PHB222	Physics 2	2	12	5
SCB001	Learning at University	1	2	1
SCB202	Science Technology & Society	2	12	5
SCB222	Exploration of the Universe	2	12	5
INTRODUCTORY UNITS				
CHB001	Introductory Chemistry	1,2	6	3
LSB001	Introductory Biology	1	6	3
PHB001	Introductory Physics	1,2	6	3

OTHER UNITS

Students may take units from any discipline within the University. Some other units offered at first level are listed below:

PHB150	Physics 1H	1	12	6
PHB263	Physics 2E	2	12	6

Schedule of Units – Second Level Units				
CHB313	Analytical Chemistry 3	1,2	12	5
CHB333	Inorganic Chemistry 3	1	12	5
CHB352	Organic Chemistry 3	1	12	5
CHB372	Physical Chemistry 3	1	12	5
CHB423	Chemical Technology 4	2	12	5
CHB453	Organic Chemistry 4	2	12	5
CHB473	Physical Chemistry 4	2	12	5
ESB312	Mineralogy	1	12	5
ESB332	Geophysics	1	12	5
ESB342	Structural Geology and Geomechanics	1	12	5
ESB392	Field Techniques and Studies	1	12	5
ESB432	Geomorphology and Sedimentary Geology	2	12	5
ESB452	Geochemistry	2	12	5
ESB462	Lithology	2	12	5
ESB472	Mineral Deposits & Mine Geology	2	12	5
LSB302	Animal Biology	1	12	5
LSB308	Biochemistry 1	1	12	5
LSB318	Biochemical Methodology	1	12	5
LSB328	Microbiology 1	1	12	5
LSB338	Cell & Mollecular Biology 2	1	12	5
LSB348	Genetics	1	12	5

LSB352	Population Ecology	1	12	5
LSB358	Physiology 1	1	12	5
LSB362	Experimental Design	1	12	5
LSB408	Biochemistry 2	2	12	5
LSB428	Microbiology 2	2	12	5
LSB438	Immunology 1	2	12	5
LSB448	Plant Biology	2	12	5
LSB458	Physiology 2	2	12	5
LSB468	Molecular Biology	2	12	5
LSB478	Animal Physiology	2	12	5
LSB488	Plant Physiology 1	2	12	5
LSB498	Ecological Methods	2	12	5
MAB422	Topics in Mathematics	2	12	4
MAB432	Mathematics 3[5]	1	12	4
MAB452	Mathematics 4[5]	2	12	4
MAB601	Multivariable Calculus	1	12	4
MAB612	Differential Equations	2	12	4
MAB618	Computational Mathematics 2	1,2	12	4
MAB620	Finite Mathematics	2	12	4
MAB630	Linear Algebra & its Applications	1	12	4
MAB632	Mathematical Modelling	2	12	4
MAB637	Operations Research 1A	1,2	12	4
MAB638	Operations Research 1B	2	12	4
MAB641	Actuarial Mathematics	1	12	4
MAB642	Methods of Mathematical Economics	2	12	4
MAB647	Statistics 2A	1	12	4
MAB648	Statistics 2B	2	12	4
PHB322	Physics 3A	1	12	5
PHB332	Physics 3B	1	12	5
PHB342	Physics 3C	1	12	5
PHB422	Physics 4A	2	12	5
PHB432	Physics 4B	2	12	5
PHB462	Experimental Physics 4	2	12	5
SCB402	Earth Resources Management	2	12	5

OTHER UNITS

Students may take units from any discipline within the University. Some other units offered at second level are listed below.

PUB353	Consumer Food	1	12	4
PUB405	Human Nutrition	2	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 cooperative education placement the student resumes formal studies.

Schedule of Units – Third Level Units

CHB513	Intrumental Analysis 5	1	12	5
CHB523	Chemical Technology 5	1	12	5
CHB533	Inorganic Chemistry 5	1	12	5
CHB553	Organic Chemistry 5	1	12	5
CHB573	Physical Chemistry 5	1	12	5
CHB603	Project	2	12	5
CHB613	Instrumental Analysis 6	2	12	5
CHB623	Chemical Technology 6	2	12	5
CHB643	Applied Spectroscopy	2	12	5

[5] *May not be available after 1996.*

CHB663	Environmental Chemistry	2	12	5
CHB693	Materials Chemistry	2	12	5
ESB512	Igneous & Metamorphic Petrology	1	12	5
ESB522	Hydrogeology	1	12	5
ESB542	Engineering & Environmental Geology	1	12	5
ESB582	Ore Genesis	1	12	5
ESB592	Advanced Geological Mapping	Y[6]	12	
ESB602	Geological Investigations	2	12	5
ESB652	Exploration Geoscience	2	12	5
ESB672	Fossil Fuel Geology	2	12	5
ESB682	Sedimentology & Basin Analysis	2	12	5
LSB502	Projects 1	1	12	5
LSB508	Biochemistry 5	1	12	5
LSB522	Population Management	1	12	5
LSB527	Analytical Biochemistry 6	1	12	5
LSB528	Microbial Physiology & Metabolism	1	12	5
LSB532	Population Genetics	1	12	5
LSB537	Genetic Engineering	1	12	5
LSB542	Plant Tissue Culture 2	1	12	5
LSB552	Aquaculture 1	1	12	5
LSB558	Advanced Physiology	1	12	5
LSB568	Electron Microscopy	2	12	5
LSB578	Virology	1	12	5
LSB602	Projects 2	2	12	5
LSB607	Biochemical Separations	2	12	5
LSB608	Biochemistry 6	2	12	5
LSB612	Aquaculture 2	2	12	5
LSB622	Case Studies	2	12	5
LSB628	Advanced Microbiology	2	12	5
LSB632	Plant Physiology 2	2	12	5
LSB637	Molecular Genetics	2	12	5
LSB648	Microbial Technology	2	12	5
LSB652	Biological Resources	2	12	5
LSB658	Clinical Physiology	2	12	5
MAB906	Topics in Analysis	1	12	4
MAB907	Statistics 3A	1	12	4
MAB908	Statistics 3B	2	12	4
MAB911	Computational Mathematics 3A	1	12	4
MAB912	Continuum Modelling	1	12	4
MAB913	Computational Mathematics 3B	2	12	4
MAB927	Operations Research 2A	1	12	4
MAB928	Operations Research 2B	2	12	4
MAB929	Time Series & Statistical Forecasting	2	12	4
MAB933	Mathematical Biology	1	12	4
MAB941	Mathematical Modelling in Economics	1	12	4
MAB942	Optimisation Methods	1	12	4
MAB960	Project Work	1,2	12	4
MAB970	Probability Theory & Stochastic Processes	1	12	4
MAB971	Advanced Mathematics of Finance	2	12	4
MAB973	Partial Differential Equations	2	12	4
MAB974	Sampling & Survey Techniques	2	12	4
PHB512	Project	1,2	12	5
PHB522	Applied Quantum Mechanics	1	12	5
PHB532	Electromagnetic Field Theory	1	12	5
PHB562	Physical Methods of Analysis	1	12	5
PHB622	Solid State Physics	2	12	5
PHB632	Nuclear & Particle Physics	2	12	5
PHB642	Applied Radiation & Health Physics	2	12	5
PHB662	Topics in Physics	1	12	5
SCB510	Introduction to Quality Management	1	12	4

[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

Full-Time Course Structure		**Credit Points**	**Contact Hrs/Wk**

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
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	
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

CHB663	Environmental Chemistry	12	5
	Elective Unit	12	

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		**Credit Points**	**Contact Hrs/Wk**

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.

		Semester Offered	Credit Points	Contact Hrs/Wk
List A				
CSB155	Introduction to Computing	1,2	12	4
MAB301	Calculus and Analysis A	1,2	12	4
MAB303	Algebra and Analysis B	1,2	12	4
MAB347	Statistics 1A	1,2	12	4
List B				
MAB304	Calculus and Vector Algebra	1,2	12	4
MAB321	Computational Mathematics 1	1,2	12	4
MAB342	Mathematics of Finance	1,2	12	4
MAB348	Statistics 1B	1,2	12	4
List C				
MAB601	Multivariable Calculus	1	12	4
MAB612	Differential Equations	2	12	4
MAB618	Computational Mathematics 2	1,2	12	4
MAB620	Finite Mathematics	2	12	4
MAB630	Linear Algebra & its Applications	1	12	4
MAB632	Mathematical Modelling	2	12	4
MAB637	Operations Research 1A	1,2	12	4
MAB638	Operations Research 1B	2	12	4
MAB641	Actuarial Mathematics	1	12	4
MAB642	Methods of Mathematical Economics	2	12	4
MAB647	Statistics 2A	1	12	4
MAB648	Statistics 2B	2	12	4

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.]		1,2	8-12ea	3-6ea
List D				
MAB906	Topics in Analysis	1	12	4
MAB907	Statistics 3A	1	12	4
MAB908	Statistics 3B	2	12	4
MAB911	Computational Mathematics 3A	1	12	4
MAB912	Continuum Modelling	1	12	4
MAB913	Computational Mathematics 3B	2	12	4
MAB927	Operations Research 2A	1	12	4
MAB928	Operations Research 2B	2	12	4
MAB929	Time Series & Statistical Forecasting	2	12	4
MAB933	Mathematical Biology	1	12	4
MAB941	Mathematical Modelling in Economics	1	12	4
MAB942	Optimisation Methods	1	12	4
MAB960	Project Work	1,2	12	4
MAB970	Probability Theory & Stochastic Processes	1	12	4
MAB971	Advanced Mathematics of Finance	2	12	4
MAB973	Partial Differential Equations	2	12	4
MAB974	Sampling & Survey Techniques	2	12	4
SCB510	Introduction to Quality Management	1	12	4

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)		Credit Points	Contact Hrs/Wk
Year 3, Semester 1			
LSB500	Microbiology 5	16	7
LSB520	Clinical Biochemistry 5	8	4
LSB530	Immunology 5	8	4
LSB550	Haematology 5	8	4
LSB560	Histopathology 5	8	4
Year 3, Semester 2			
LSB600	Clinical Bacteriology 6	16	7
LSB620	Clinical Biochemistry 6	8	4
LSB630	Immunohaematology 6	8	4
LSB650	Haematology 6	8	4
LSB660	Histopathology 6	8	4

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)			
Year 1, Semester 1			
CHB142	Chemistry 1	12	6
LSB150	Human Anatomy	12	5
LSB118	Introduction to Life Science	12	6
PHB150	Physics 1H	12	6
Year 1, Semester 2			
CHB242	Chemistry 2	12	6
LSB260	Quantitative Methods in Life Science 1	12	6
LSB238	Cell & Molecular Biology	12	5
LSB250	Human Physiology	12	6
Year 2, Semester 1			
LSB308	Biochemistry 1	12	5
LSB300	Microbiology 1	8	4
LSB320	Quantitative Methods in Life Science 2	8	5
LSB348	Genetics	12	5
LSB350	General & Systematic Pathology	8	4
Year 2, Semester 2			
LSB410	Biochemistry 2	8	5
LSB400	Microbiology 2	8	4
LSB430	Immunology 1	8	4
LSB450	Haematology 1	8	4
LSB460	Histopathology 1	8	4
LSB437	Molecular Biology	8	4
LSB480	Professional Practice		4 weeks
Year 3, Semester 1			
LSB510	Microbiology 3	8	5
LSB520	Clinical Biochemistry 1	8	4
LSB530	Immunology 2	8	4
LSB550	Haematology 2	8	4
LSB560	Histopathology 2	8	4
LSB540	Molecular Pathogenesis & Disease Diagnosis 2	8	2
Year 3, Semester 2			
LSB610	Clinical Bacteriology	8	5.5
LSB620	Clinical Biochemistry 2	8	4
LSB630	Immunohaematology	8	4
LSB650	Haematology 3	8	4
LSB660	Histopathology 3	8	4
LSB640	Molecular Pathogenesis & Disease Diagnosis 2	8	2

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
Year 2, Semester 2			
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

■ 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)		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
COMMON UNITS			
LSB141	Anatomy 1	10	4
MAB151	Quantitative Techniques	4	2
NSB201	Principles of Patient Care	4	2
PHB111	Physics 1B	8	3
PHB178	Principles of Medical Radiations	12	6
SSB910	Introductory Psychology for Health Professionals	4	2
Year 1, Semester 2			
COMMON UNITS			
LSB221	Introduction to Pathology	8	3
LSB241	Anatomy 2	10	4
PHB272	Radiation Physics 1	12	5
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)

Year 2, Semester 1			
COMMON UNITS			
LSB321	Systematic Pathology	8	3
LSB343	Imaging Anatomy 1	8	4
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
Year 2, Semester 2			
COMMON UNITS			
LSB443	Imaging Anatomy 2	8	4
PHB475	Medical Radiation Computing 1	8	3

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			
PHB485/1	Principles of Treatment	4	3
PHB487	Megavoltage Therapy 3	12	4
PHB489	Clinical Radiotherapy 2	8	4
PHB585	Computer Assisted Treatment Planning 1	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			
LSB421	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		Credit Points	Contact Hrs/Wk
Year 1, Semester 1			
COMMON UNITS			
LSB321	Systematic Pathology	8	3
LSB343	Imaging Anatomy 1	8	4
MAB151	Quantitative Techniques	4	2
Year 1, Semester 2			
COMMON UNITS			
LSB441	Imaging Anatomy 2	8	4
PHB475	Medical Radiation Computing 1	8	3
Year 2, Semester 1			
COMMON UNITS			
PHB575	Medical Radiation Computing 2	8	3
PHB673/1	Project	6	1
MEDICAL IMAGING TECHNOLOGY MAJOR			
LSB421	Imaging Pathology	4	2
PHB571	Quality Assurance in Medical Imaging	6	3
PHB578	Image Interpretation	4	2
RADIOTHERAPY TECHNOLOGY MAJOR			
PHB685	Computer Assisted Treatment Planning 2	8	4
Year 2, Semester 2			
COMMON UNIT			
PHB673/2	Project	6	
MEDICAL IMAGING TECHNOLOGY MAJOR			
PHB670	Advanced Radiographic Practice 2	20	4
Select one of the following units:			
PHB680	Nuclear Medicine Imaging 2	10	5
PHB681	Computed Tomography Imaging	10	5
RADIOTHERAPY TECHNOLOGY MAJOR			
PHB687	Specialised Radiotherapy Technique 2	12	4
PHB889	Advanced Radiotherapeutic Practice	20	4

Part-Time Course Structure for Associate Diploma Holders (for commencing students)

Year 1, Semester 1			
COMMON UNIT			
LSB321	Systematic Pathology	8	3
LSB343	Imaging Anatomy 1	8	4
MEDICAL IMAGING TECHNOLOGY MAJOR			
PHB500	Advanced Imaging Practice 1	14	4

RADIOTHERAPY TECHNOLOGY MAJOR			
MAB151	Quantitative Techniques	4	2

Year 1, Semester 2

COMMON UNIT			
LSB443	Imaging Anatomy 2	8	4
MEDICAL IMAGING TECHNOLOGY MAJOR			
PHB473	Medical Ultrasound	4	2
RADIOTHERAPY TECHNOLOGY MAJOR			
PHB475	Medical Radiation Computing 1	8	3
PHB585	Computer Assisted Treatment Planning 1	12	6

Part-Time Course Structure for Associate Diploma Holders (for continuing students)

Year 2, Semester 1

MEDICAL IMAGING TECHNOLOGY MAJOR			
LSB421	Imaging Pathology	4	2
MAB151	Quantitative Techniques	4	2
PHB373	Nuclear Medicine Imaging 1	4	2
RADIOTHERAPY TECHNOLOGY MAJOR			
LSB321	Systematic Pathology	8	3
PHB471	Radiation Physics 2	4	2
PHB575	Medical Radiation Computing 2	8	3

Year 2, Semester 2

MEDICAL IMAGING TECHNOLOGY MAJOR			
PHB475	Medical Radiation Computing 1	8	3
PHB679	Clinical Radiography 5	14	
RADIOTHERAPY TECHNOLOGY MAJOR			
PHB583	Complementary & Evolving Techniques	6	3
PHB671	Radiation Biology	4	2
PHB683	Oncological Imaging	6	3

Year 3, Semester 1

COMMON UNIT			
PHB673/1	Project	2	1
MEDICAL IMAGING TECHNOLOGY MAJOR			
PHB571	Quality Assurance in Medical Imaging	6	3
PHB575	Medical Radiation Computing 2	8	3
PHB578	Image Interpretation 1	4	2
RADIOTHERAPY TECHNOLOGY MAJOR			
PHB685	Computer Assisted Treatment Planning 2	8	4
PHB889	Advanced Radiotherapeutic Practice 2	20	4

Year 3, Semester 2

COMMON UNIT			
PHB673/2	Project	6	
MEDICAL IMAGING TECHNOLOGY MAJOR			
PHB670	Advanced Radiographic Practice 2	20	4
Select one of the following units:			
PHB680	Nuclear Medicine Imaging 2	10	5
PHB681	Computed Tomography Imaging	10	5
RADIOTHERAPY TECHNOLOGY MAJOR			
PHB687	Specialised Radiotherapy Technique 2	10	4

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		**Credit Points**	**Contact Hrs/Wk**

This course is being phased out. Students requiring units from the first two semesters of the course should consult wih the Course Coordinator to arrange for alternative units.

BIOLOGY MAJOR

Year 2, Semester 1

CHA442	Introduction to Occupational Safety	4	2
LSX310	Introduction to Bioculture	8	3
LSX311	Computer Applications in Biology	8	3
LSX312	Animal & Plant Techniques	12	4
Plus two elective units selected from:			
LSX313	Taxonomy	8	3
LSX316	Hydrobiological Techniques	8	3
	Other approved Elective Units		

Year 2, Semester 2

LSX223	Microbiology 2	8	3
LSX410	Environmental Biology	8	3
LSX411	Population Biology	8	3
LSX412	Field Techniques	8	3
LSX413	Applications in Electron Microscopy	8	3
	Plus one other approved Elective Unit	8	3

CHEMISTRY MAJOR

Year 1, Semester 2

CHA218	Analytical Chemistry 1	8	3
CHA219	Qualitative Analysis	6	3
CHA230	Chemistry of Inorganic Materials	4	2
CHA240	Instrumental Techniques	8	3
CHA250	Organic Chemistry 1	8	3
CHA270	Physical Chemistry 1	8	3

Year 2, Semester 1

CHA318	Instrumental Analytical Chemistry	8	4
CHA319	Analytical Chemistry 2	6	3
CHA320	Chemical Process Principles 1	8	3
CHA350	Organic Chemistry 2	8	3
CHA370	Physical Chemistry 2	6	2
CHA442	Introduction to Occupational Safety	4	2
CSA259	Introduction to Computing	8	2
Plus one Elective Unit selected from:			
ESA310	Geology	8	3
LSA123	Biology	8	3
	Any other approved Elective Unit		

Year 2, Semester 2

CHA368	Industrial Chemistry	8	3
CHA410	Computers in Chemistry	8	3
CHA550	Organic Chemistry 3	8	3
CHA610	Industrial Analysis	8	3
CHA670	Physical Chemistry 3	8	3

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)		**Credit Points**	**Contact Hrs/Wk**
Year 1, Semester 1			
CHA140	Chemistry	8	
LSA123	Biology	8	
PHA154	Introductory Physics	8	
CHA110	Laboratory Techniques	8	
MAA251	Statistics & Data Processing	8	
CSA259	Introduction to Computing	8	
Year 1, Semester 2			
MEDICAL LABORATORY TECHNIQUES MAJOR			
LSA221	Biological Chemistry	12	
LSA222	Laboratory Instrumentation	8	
LSA223	Microbiology	8	
LSA224	Pathology	8	
LSA225	Anatomy & Physiology	12	
CHEMISTRY MAJOR			
CHA210	Analytical Chemistry 1	12	

CHA240	Instrumental Techniques	8
CHA250	Organic Chemistry 1	8
CHA271	Physical & Inorganic Chemistry 1	12
CHA280	Consumer Chemistry	8

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).

		Credit Points	Contact Hrs/Wk
LABORATORY TECHNIQUES PROGRAM			
Year 2, Semester 1			
MAA251	Statistics & Data Processing	8	3
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.

INDEX OF COURSES

University-Wide and Interfaculty Courses

Faculty of Arts

Faculty of Built Environment and Engineering

Faculty of Business

Faculty of Education

Faculty of Health

Faculty of Information Technology

Faculty of Law

Faculty of Science

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.

AAB001 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

AAB002 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

AAB004 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

AAB005 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

AAB006 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

AAB051 ARTS IN SOCIETY
Contemporary and historical perspectives on the relation between arts and society. Relevant themes and theories include fine art, modernism and the avant-garde, craft and utilitarianism, art and politics, representation and sexuality, 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, HU20, SS07 (M&J course code)
Credit Points: 12 **Contact Hours:** 3 per week

AAB053 GENDER ISSUES IN THE VISUAL AND PERFORMING ARTS
This unit introduces students to the ways in which the arts contribute to, or 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, AA51, AA71
Credit Points: 12 **Contact Hours:** 3 per week

AAB055 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, AA81
Prerequisite: High achievement in major study area
Credit Points: 12

AAB056 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

AAB057 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

AAB058 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

AAB059 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

AAB060 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

AAB061 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

AAB062 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 the promotional and public relations campaign.
Course: AA11, AA21, AA51, AA71
Credit Points: 12 **Contact Hours:** 3 per week

AAB100 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

AAB104 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 theory 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 (year-long 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: AA11 **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: AA11 **Prerequisite:** AAB169
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAB171 DANCE STYLES 1**
Jazz and tap styles – essential steps and various combinations.
Course: AA11
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: AA11 **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: AA11 **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: AA11 **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: AA11
Credit Points: 12 **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: AA11
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAB177 PRODUCTION TECHNIQUES**
Introduction to the mechanics of theatre productions, the personnel and tasks. Lighting, sound, costume.
Course: AA11
Credit Points: 12 **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: AA21
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: AA21 **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: AA21
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: AA21 **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 interrelation through an introduction to the basic elements of dramatic performance such as space, performer, audience, language, rhythm, action.
Course: AA21
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: AA21
Credit Points: 12 **Contact Hours:** 3 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: AA21 **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: AA21 **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: AA21 **Prerequisite:** AAB234
Credit Points: 12 **Contact Hours:** 6 per week

■ **AAB247 ACTING 3**
Designated 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: AA21 **Prerequisite:** AAB203
Credit Points: 12 **Contact Hours:** 21 per week

■ **AAB248 ACTING 4**
Designated 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 three major theatre movements: Realism, Epic Theatre and Theatre of 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 development 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 training. Periods and styles of music and improvisation. Individual 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 performance projects. Acting students working as an ensemble perform in roles for video and theatre. Technical students work in a range of organisation and technical roles.
Course: AA21 **Prerequisite:** AAB248 or AAB294
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, Benedetti, 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 Shakespearean play texts. Students explore and rehearse selected 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:** 4 per week

■ **AAB261 THE ARTS ENVIRONMENT**
Introduction to the context for arts management; economics of the arts; formation of national and state arts policy; interplay amongst arts organisations and related fields of endeavour like the media, the education system, 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 practical 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 performance of a scripted drama before an audience.
Course: AA21 **Prerequisite:** AAB202
Credit Points: 12

■ **AAB274 THEATRECRAFT**
Development of practical skills in workshop construction 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, phenomenology; theatrical actions and reactions, feminist studies. 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; bearing 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, preproduction 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 Poiuts: 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

AAB414 DRAMA CURRICULUM STUDIES 1
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
Prerequisites: 48 credit points in each relevant discipline area.
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. The 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, concerts and directed ensemble. Improvisation (Jazz and Popular Music students only) (year-long unit).
Course: AA11 **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: AA11 **Prerequisite:** AAB607
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 DAY**
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 experienee 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 affect 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-

dents normally choose an instrument closely related to that of their Principal Study.) (Year-long unit available to AA51 students only.)
Course: AA51 **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: AA51 **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: AA71, ED50
Credit Points: 12 **Coutact 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: AA71, ED26, ED50
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAB726 INTRODUCTION TO ART HISTORY**
Students are introduced to the basic thematics 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: AA71 **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: AA71
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 appproach to formulating resolutions to conceptual and visual concerns; increased knowledge of safe workshop practices, safe studio work habits and appropriate professional skills.
Course: AA71
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: AA71 **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: AA71 **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: AA71 **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: AA71 **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: AA71, AA81, ED22, ED26, ED50, ED51, ED52
Credit Points: 12 **Coutact Hours:** 6 per week

■ **AAB752 EXTENDED STUDIO PRACTICE 2**
Extension of practice studio units or core media studies or elective studio units.
Course: AA71, AA81, 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: AA71, AA81
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: AA71, AA81
Credit Points: 24 **Contact Hours:** 12 per week

■ **AAB801 FOUNDATIONS OF COMMUNICATION DESIGN 1**
Visual design and its application in communication; exploration of fundamental human interface and graphic concepts; overview of media and variety of design practices.
Course: AA81
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAB802 FOUNDATIONS OF COMMUNICATION DESIGN 2**
Design priorities/alternatives, interpretation of ideas, representation in visual systems, refinement of concepts, problem solving through presentation of models.
Course: AA81 **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: AA81
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.

Course: AA81 **Prerequisite:** AAB807
Credit Points: 12 **Contact Hours:** 3 per week

■ **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 specialisation within design applications.
Course: AA81
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 ensembles as a means of developing composition and arranging skills, and an awareness of stylistic developments. Conducting, rehearsing and performing techniques will be developed.
Course: ED51 **Prerequisite:** AAB911
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 **Prerequisite:** AAB912
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 synthesise 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.
Courses: 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.
Courses: 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 showing. 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

■ **AAN013 ADVANCED PROFESSIONAL PRACTICE 3**
A significant artistic outcome as part of the student's skills development including research, rehearsal and preparation for an exhibition or performance.
Course: AA24 **Credit Points:** 24

■ **AAN101 ADVANCED DANCE ANALYSIS**
Students make an in-depth study of the life and work of a chosen choreographer.
Course: AT22
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAN102 ADVANCED COMPOSITION**
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.
Course: AT22
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAN200 DRAMATURGY**
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.
Course: AA24, AA40
Credit Points: 12 **Contact Hours:** 2 per week

■ **AAN201 CONTEMPORARY AUSTRALIAN PLAYWRIGHTS**
Students study a number of current Australian playwrights; seminar papers focus on each writer, with input from directors, actors and writers.
Course: AA24
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAN202 TEXTUAL ANALYSIS**
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.
Course: AA24, AA40
Credit Points: 12 **Contact Hours:** 2 per week

■ **AAN501 MUSIC HISTORY, LITERATURE & ANALYSIS**
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.
Course: AT22
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAN502 INSTRUMENTAL ARRANGING**
Development of arranging skills, using music of various styles; theory of arranging; practical arranging (small group); arrangement performance for large group (orchestra or band).
Course: AT22
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAN700 CONTEMPORARY DEBATES ON THE NATURE OF ART**
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.
Course: AA24
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAP421 DANCE CURRICULUM STUDIES 1**
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.
Course: ED32, ED37 **Prerequisite:** AAP420
Corequisite: EDP451
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAP422 DRAMA CURRICULUM STUDIES 1**
See AAP421 .
Course: ED32, ED37 **Prerequisite:** AAP420
Corequisite: EDP451
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAP423 MUSIC CURRICULUM STUDIES 1**
See AAP421 .
Course: ED32, ED37 **Prerequisite:** AAP420
Corequisite: EDP451
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAP424 VISUAL ARTS CURRICULUM STUDIES 1**
See AAP421 .
Course: ED32, ED37 **Prerequisite:** AAP420
Corequisite: EDP451
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAP429 DANCE CURRICULUM STUDIES 2**
Development of understanding and skills for learning; assessment issues and techniques; philosophical concepts relevant to dance education.
Course: ED37
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAP430 DRAMA CURRICULUM STUDIES 2**
Advanced practical applications in assessment, curriculum planning and teaching/learning strategies in the relevant visual and performing arts area.
Course: ED32, ED37 **Corequisite:** EDP451
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAP431 MUSIC CURRICULUM STUDIES 2**
See AAP430 .
Course: ED32, ED37 **Corequisite:** EDP451
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAP432 VISUAL ARTS CURRICULUM STUDIES 2**
See AAP430 .
Course: ED32, ED37 **Corequisite:** EDP451
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAP433 MUSIC CURRICULUM STUDIES 2A**
Extension studies in methods of teaching and curricula relevant to specialist teachers of instrumental, secondary or primary music.
Course: ED37 **Prerequisite:** AAP428
Corequisite: AAP431
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAP434 MUSIC CURRICULUM STUDIES 1A**
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.
Course: ED37 **Credit Points:** 12

■ **AAP501 ART CURRICULUM FOUNDATIONS**
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

and historical, social and intellectual influence on past and present art education philosophies.
Courses: ED22, ED26
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAP502 ART EDUCATION PROGRAM DESIGN & PRACTICE**
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:** AAP501
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAP503 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

■ **AAP505 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

■ **AAP507 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 classes and professional practice.
Courses: ED22, ED26, ED50, ED51, AA71
Credit Points: 12 **Contact Hours:** 3 per week

■ **AAP509 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

■ **AAP511 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

■ **AAX101 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

■ **AAX102 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:** AAX101
Credit Points: 8 **Contact Hours:** 2 per week

■ **AAX103 MUSIC**
Musical basics through aural and written theories.
Courses: AA09
Credit Points: 8 **Contact Hours:** 1.5 per week

■ **AAX104 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: 12 **Contact Hours:** 2.5 per week

■ **AAX105 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:** 2 per week

■ **AAX106 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

■ **AAX111 REPERTOIRE & PRACTICE PERIOD 1**
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

■ **AAX112 REPERTOIRE & PRACTICE PERIOD 2**
Designated Unit. Continnation of studies initiated in AAX111.
Course: AA09 **Prerequisite:** AAX111
Credit Points: 16

■ **AAX113 REPERTOIRE & PRACTICE PERIOD 3**
Designated Unit. Continuation of AAX112.
Courses: AA09 **Prerequisite:** AAX112
Credit Points: 16

■ **AAX114 REPERTOIRE & PRACTICE PERIOD 4**
Designated Unit. Continuation of AAX113; preparation for the dance indnstry; curricnlum vitae and funding applications.
Courses: AA09 **Prerequisite:** AAX113
Credit Points: 16

■ **AAX115 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, adagio, pirouettes, allegro, 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 stndy 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 coordination; 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:** ARB004
Credit Points: 12 **Contact Hours:** 6 per week

■ **ARB006 ARCHITECTURAL DESIGN 6**
Development of design emphases introdnced 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 scale and increasing complexity.
Courses: AR48, BN30 **Prerequisite:** ARB005
Credit Points: 12 **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:** ARB006
Credit Points: 24 (12 per seemster)
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:** ARB007
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

■ **ARB013 CONTEXTUAL STUDIES 3**
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

■ **ARB014 CONTEXTUAL STUDIES 4**
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

■ **ARB015 CONTEXTUAL STUDIES 5**
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

■ **ARB016 CONTEXTUAL STUDIES 6**
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:** 3 per week

■ **ARB017 CONTEXTUAL STUDIES 7**
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

■ **ARB018 CONTEXTUAL STUDIES 8**
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

■ **ARB021 TECHNOLOGY AND SCIENCE 1**
Introduction to architectural technology. Properties and behaviour of common building materials. Principles of physics related to building construction. Basic principles of structures.
Courses: AR48, BN30
Credit Points: 8 **Contact Hours:** 3 per week

■ **ARB022 TECHNOLOGY AND SCIENCE 2**
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

■ **ARB023 TECHNOLOGY AND SCIENCE 3**
Domestic scale building construction. Principles of structures, climate and sun control.
Courses: AR48, BN30 **Prerequisite:** ARB022
Credit Points: 12 **Contact Hours:** 4 per week

■ **ARB024 TECHNOLOGY AND SCIENCE 4**
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

■ **ARB025 TECHNOLOGY AND SCIENCE 5**
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

■ **ARB026 TECHNOLOGY AND SCIENCE 6**
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

■ **ARB027 TECHNOLOGY AND SCIENCE 7**
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

■ **ARB031 PROFESSIONAL STUDIES 1**
Building codes and regulations applied in studio exercises. Estimating, cost control, feasibility, computer software for business. Specifications: role, techniques, practical exercises.
Course: AR48
Credit Points: 16 (8 per semester)
Contact Hours: 3 per week

■ **ARB032 PROFESSIONAL STUDIES 2**
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

■ **ARB033 PROFESSIONAL STUDIES 3**
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

■ **ARB041 ELECTIVE 1**
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

■ **ARB042 ELECTIVE 2**
The Elective unit is drawn from an existing range of units within the School and approved by Course Coordinator.
Course: BN30
Credit Points: 6 **Contact Hours:** 2 per week

■ **ARB043 ELECTIVE 3**
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

■ **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: BN30
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: AR48
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: AR48
Credit Points: 6 **Contact Hours:** 2 per week

■ **ARB047 ELECTIVE C**
Elective unit drawn from a range available within the Faculty, subject to approval.
Course: AR48
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: AR48
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: AR48 **Prerequisite:** ARB051
Credit Points: 6 **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: AR48 **Prerequisite:** ARB052
Credit Points: 24 **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: AR48 **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 exercise.
Course: BN30
Corequisites: ARB001, ARB011, ARB021
Credit Points: 12 **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 exercise
Course: BN30
Corequisites: ARB002, ARB012, ARB022
Credit Points: 8 **Contact Hours:** 4 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: BN30 **Corequisites:** ARB003, ARB023
Credit Points: 12 **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: BN30 **Corequisites:** ARB004, ARB024
Credit Points: 8 **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: BN30 **Corequisite:** ARB025
Credit Points: 12 **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: BN30 **Corequisite:** ARB025
Credit Points: 8 **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: BN30
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: BN30
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: BN30
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 beaming 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**
Materials: manufacture, supply, storage and application in buildings of timber and wood products, paints and clay products, concrete, ferrous and non-ferrous metals, plastics. Construction: simple, single-storey buildings, footings and floors, wall and roof framing, load bearing masonry, roofing, cladding.
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**
Structural systems of domestic building construction; chemical characteristics of materials and finishes including timber/wood products, cement and concrete, ceramics, glass, polymers and metals; manufacturing process and performance. Measurement and recording of building spaces. Photography and photogrammetry. Application of recorded information.
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-

sign. It deals with the understanding of the symbolic, physiological and psychological aspects of colour, within historical and contemporary contexts.
Course: BN30 **Corequisite:** ARB276
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.
Course: 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.
Course: BN30 **Prerequisite:** ARB176
Corequisite: ARB261
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.
Course: 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 helidon 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 1**
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, brief formation, application of architectural science; safety, comfort, construction, 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: BN30
Credit Points: 16 **Contact Hours:** 6 per week

■ **ARB343 VISUAL COMMUNICATION FOR ARCHITECTS 1**
Introduction to presenting architectural works using manual skills and computer techniques.
Course: BN30
Credit Points: 4 **Contact Hours:** 2 per week

■ **ARB350 INDUSTRIAL DESIGN 1**
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: BN30 **Prerequisite:** ARB248
Credit Points: 18 **Contact Hours:** 8 per week

■ **ARB351 ERGONOMICS FOR INDUSTRIAL DESIGNERS 2**
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: BN30 **Prerequisite:** ARB251
Credit Points: 6 **Contact Hours:** 2 per week

■ **ARB353 MANUFACTURING TECHNOLOGY 1**
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: BN30
Credit Points: 12 **Contact Hours:** 6 per week

■ **ARB354 COMPUTER-AIDED INDUSTRIAL DESIGN 1**
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

■ **ARB360 INTERIOR DESIGN 1**
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 art, 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 **Prerequisite:** ARB248
Corequisite: ARB361
Credit Points: 18 **Contact Hours:** 8

■ **ARB361 INTERIOR TECHNOLOGY 1**
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 **Prerequisite:** ARB246
Corequisite: ARB360
Credit Points: 12 **Contact Hours:** 6 per week

■ **ARB362 FURNITURE & FITTINGS 1**
Fabrics and textiles in interior design; wall to wall carpeting; curtains and blinds; upholstering; 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

■ **ARB363 VISUAL COMMUNICATION FOR INTERIOR DESIGNERS 1**
Visual thinking and drawing and basic rendering skills; rough mock-ups and scale model making.
Course: BN30 **Prerequisite:** ARB248
Credit Points: 4 **Contact Hours:** 2 per week

■ **ARB388 DESIGN SCIENCE 4**
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.
Courses: AR41, BN30
Credit Points: 2 **Contact Hours:** 1 per week

■ **ARB389 DESIGN SCIENCE 3**
Thermal performance of buildings; energy conservation and low energy design; calculation of heat flow and indoor temperatures under steady state and fluctuating conditions; quantitative monitoring of thermal performance of building elements. Computer-aided planning analysis and environmental control analysis; integration with design.
Courses: AR41, BN30
Credit Points: 4 **Contact Hours:** 2 per week

■ **ARB391 BUILDING SERVICES 1**
Hydraulics: water; gas; plumbing; drainage and sewerage in domestic and low-rise buildings. Fire services; sprinklers; alarms; extinguishers; emergency systems.
Courses: AR41, BN30
Credit Points: 4 **Contact Hours:** 1.5 per week

■ **ARB392 BUILDING SERVICES 2**
Electricity: supply and transmission systems; substations; metering; reticulation. Vertical transportation; lifts; escalatory hoists. Air-conditioning; refrigeration cycle, principles of air-conditioning, equipment components, domestic and commercial systems; approximate sizing of plant rooms and ductwork; cooling load estimate; choice of systems.
Courses: AR41, AR48, BN30
Credit Points: 3 **Contact Hours:** 1.5 per week

■ **ARB393 DESIGN 5**
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: AR41
Credit Points: 8 **Contact Hours:** 4 per week

ARB394 DESIGN 6
See ARB393.
Course: AR41
Credit Points: 8 **Contact Hours:** 4 per week

ARB395 BUILDING CONSTRUCTION 3
Site investigations, earth and rock retaining systems, foundations including piles, bored piers and rafts, underpinning and shoring, medium-rise masonry construction, structural steel concrete and composite structures, service cores, precast concrete, prestressed concrete; systems for floors, roofs, external cladding, partitions, ceilings; waterproofing, corrosion protection, fireproofing; building failures.
Courses: AR41, AR48
Credit Points: 3 **Contact Hours:** 1.5 per week

ARB396 BUILDING CONSTRUCTION 4
See ARB395.
Courses: AR41, AR48
Credit Points: 3 **Contact Hours:** 1.5 per week

ARB440 ARCHITECTURAL DESIGN 2
Theory: concepts of design process; systematic methodology in architectural design. Studio: developing skills in site surveys, adjacency analysis, brief formation, application of architectural science to inculcate concerns for safety, comfort, construction, content, form and order.
Courses: AR41, AR48, BN30 **Prerequisite:** ARB340
Credit Points: 16 **Contact Hours:** 6 per week

ARB441 BUILDING CONSTRUCTION 2
Case studies with lectures and studio work. Each case study will discuss the system characteristics of the problem, the human and environmental factors involved, and the technical systems required. Lectures and studio work are complemented by field studies and workshop practice.
Course: BN30 **Prerequisite:** ARB341
Credit Points: 16 **Coutact Hours:** 6 per week

ARB443 VISUAL COMMUNICATION FOR ARCHITECTS 2
Development of skills in various techniques for presenting architectural designs. Includes rendering and presentation techniques, audiovisual media, model making and portfolio organisation. The use of manual skills and computer techniques is studied.
Course: BN30
Credit Points: 4 **Contact Hours:** 2 per week

ARB450 INDUSTRIAL DESIGN 2
Design methodologies; process; creativity and product innovation; case studies; environmental impact. The studio exercises are aimed at different product ranges. The complexity of the project increases according to the semester level.
Course: BN30 **Prerequisite:** ARB350
Credit Points: 18 **Contact Hours:** 8 per week

ARB453 MANUFACTURING TECHNOLOGY 2
Application of engineering mechanisms to products or systems; the performances of mechanical, electrical, hydraulic and pneumatic mechanisms in relation to particular functions; introduction to electronics; design problems in studio using CAD.
Course: BN30 **Prerequisite:** ARB353
Credit Points: 12 **Contact Hours:** 6 per week

ARB454 COMPUTER-AIDED INDUSTRIAL DESIGN 2
Introduction to 3D Solid modelling concepts, 3D spatial relationships, design documentation, 3D model to 2D engineering drawings and development of skills in the use of CAD for engineering drawings. Design presentation.
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 innovatory approaches in 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
Corequisite: ARB461
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 notions of interior maintenance and life span economics are introduced.
Course: BN30 **Prerequisite:** ARB361
Corequisite: ARB460
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.
Courses: 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 influ-

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 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 **Prerequisite:** ARB440
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 different finishing operations, 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

■ **ARB556 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

■ **ARB557 ELECTIVE 2**
Elective Unit drawn from a range presented by the School, Faculty, other Faculties at QUT, and approved by the Course Coordinator.
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 **Prerequisite:** ARB460
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 tennacles, partitioning and furniture systems, shopping centres, theatres, medical clinics, taverns, restaurants.
Course: BN30 **Prerequisite:** ARB461
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; laequer 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

■ **ARB598 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 **Prerequisite:** ARB540
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 **Prerequisite:** ARB541
Credit Points: 17 **Contact Hours:** 6.5 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 analyse 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 **Prerequisite:** ARB550
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 modelling 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 studio 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; tendering, 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 landscapetownseape, 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 requiremets 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: AR80
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 AIRS 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 undertaking the case studies students will be required to explore the influence of design on emotive behaviour and to interpret the implication of this for interior design of a more conventional kind.
Course: AR62
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 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 Unitdrawn 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: microsurgical 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 ARB674 /675 Industrial Design Research 2. Documentation of the research strategy, research data application, design process, 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.

Course: AR61
Credit Points: 12 **Contact Hours:** 3

■ **ATN005/1 & ATN005/2 RESEARCH PROJECT FULL-TIME**
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, or 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 Semester 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: BS56, 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; a study of the law of contract; introduction to the law of torts with emphasis on the tort of negligence; aspects of consumer protection.
Courses: BS56, 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: BS56, 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: BS56, 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: BS56, 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: BS56 **Prerequisites:** EFB210, 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: BS56, BS81
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, BS56 **Prerequisite:** BSB110
Credit Points: 12 **Contact Hours:** 4 per week
Incompatible with: AYB225

■ **AYB225 MANAGEMENT ACCOUNTING I**
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: BS56, IF37, IT20 **Prerequisite:** BSB110
Credit Points: 12 **Contact Hours:** 4 per week
Incompatible with: AYB224

AYB226 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:** 3 per week
Incompatible with: FNB115 & EFB310

AYB300 ACCOUNTING IN AN INTERNATIONAL ENVIRONMENT

This subject is designed to provide students with an overview of the unique problems presented by alternative corporate management control systems in a multinational environment. Overview of international accounting and cultural influences on international accounting; international patterns of accounting development; comparative 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 **Prerequisites:** BSB110
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:** AYB223
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 finance and commerce; reinforcement of computerised share trading; hardware and software selection process; negotiating contracts involving hardware and software; using and searching on-line public access databases; the components and benefits of modern data communications business products technology in finance and commerce.

Course: BS56 **Prerequisite:** BSB112
Credit Points: 12 **Contact Hours:** 4 per week

AYB308 COMPUTER APPLICATIONS IN MANAGERIAL ACCOUNTING

Consideration of selected managerial accounting areas: master budgeting, cash budgeting, cost estimation, cost allocation, variance analysis, cost-volume-profit analysis; application of appropriate software tools: spreadsheet software, accounting package, graphics software, statistical analysis software.

Course: BS56 **Prerequisite:** BSB112, AYB225
Credit Points: 12 **Contact Hours:** 4 per week

AYB309 COMPUTER SECURITY & AUDIT

Impact of EDP on auditing, general EDP controls, EDP application controls, generalised audit software (GAS), computer-assisted audit techniques, special EDP environments, fraud and privacy.

Course: BS50, BS56 **Prerequisite:** AYB301, AYB220
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

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 **Prerequisites:** 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; external, 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, commereial 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, IF37 **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

■ **AYB322 PUBLIC ADMINISTRATIVE LAW**
Nature and development of law; precedent; interpretation of deeds and statutes; torts; criminal law; constitutional law; foundations of administrative law; judicial review of administrative action, natural justice, ultra vires; common law remedies; legal position of the Crown and government instrumentalities; Administrative Appeals Tribunal; the Ombudsman; the Federal Court; the Judicial Review Act; freedom of information; law and reform.
Course: BS56
Credit Points: 12 **Contact Hours:** 3 per week

■ **AYB323 TAX PLANNING**
Principles of tax practice; judicial, statutory and professional approaches to tax avoidance and evasion; structuring and restructuring business enterprises; tax planning for the employed person, current and retiring; implications of the Family Law Act.
Course: BS56 **Prerequisite:** AYB326 or as corequisite
Credit Points: 12 **Contact Hours:** 3 per week

■ **AYB324 TAXATION DISPUTES**
The increasing role played by administrative law and policy in taxation law and practice; accountants who engage in the provision of tax advice, lodgement of returns and tax planning need an understanding of the underlying principles; accordingly, the unit examines: the nature and effect of taxation policy statements and rulings; the self-assessment system and the administrative appeals process; the rights of practitioners and clients in relation to audits and investigations; the Australian Taxation Office.
Course: BS56 **Prerequisite:** AYB223
Credit Points: 12 **Contact Hours:** 3 per week

■ **AYB325 TAXATION LAW**
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: BS56, BS81
Prerequisites: AYB220, AYB223
Credit Points: 12 **Contact Hours:** 3 per week

■ **AYB326 TAXATION OF BUSINESS ENTITIES**
Partnerships, trusts, superannuation funds and companies; concessional treatment afforded specific classes of taxpayer; international taxation: introduction to administration and avoidance provisions; introduction to busi-

ness taxes which are not applied to income.
Course: BS56 **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 Advauced 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
Prerequisites: AYN400 or AYN300
Credit Points: 12 **Contact Hours:** 3 per week

AYN402 ACCOUNTING INFORMATION SYSTEMS (PY)

Examiuation at 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, BS89, 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 AUDITING 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, BS78, 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 on 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: BS89, GS70, 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 defeasance, 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
Prerequisite: 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 Accountancy 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)**
Examination of the law and practice of bankruptcy and corporate insolvency; comparisons between deeds of company arrangement, schemes of arrangement and reconstruction, receiverships and liquidation; the rights of secured and unsecured creditors; rights of members and employees; duties and obligations of scheme administrators, receivers and liquidators; collection and distribution of assets; public examination; actions against company officers.
Courses: BS70, BS87, BS94
Credit Points: 12 **Contact Hours:** 3 per week

■ **AYN423 INTERNAL 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 multi-national 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.

Courses: BS70, BS87, BS94
Credit Points: 12 **Contact Hours:** 3 per week

■ **AYN427 LIQUIDATIONS & RECEIVERSHIP**
The law and practice of bankruptcy and corporate insolvency; comparisons between deeds of company arrangement, schemes of arrangement and reconstruction, receiverships and liquidation. Topics include: the rights of secured and unsecured creditors; rights of members and employees; duties and obligations of scheme administrators, receivers and liquidators; collection and distribution of assets; public examination; actions against company officers.
Courses: BS70, BS87, BS94
Credit Points: 12 **Contact Hours:** 3 per week

■ **AYN428 MANAGEMENT ACCOUNTING (MBA)**
Management accounting and the issues confronting a management accountant. On completion of the unit, students should have an appreciation of various management accounting concepts, and be able to apply these concepts to business/accounting situations. Topics include: the nature of management accounting; cost concepts; cost profit-volume analysis; relevant costs and special decisions; flexible budgeting; responsibility accounting; costing.
Course: BS81, IF64
Prerequisites: AYN416 or AYN112
Credit Points: 12 **Contact Hours:** 3 per week

■ **AYN429 MANAGEMENT ACCOUNTING (PY)**
This unit is designed to satisfy an elective topic in the professional year program of the Institute of Chartered Accountants in Australia. The syllabus is revised annually and applied advanced managerial topics are included as the profession determines necessary for senior managerial accountants.
Courses: BS70, BS87, BS94
Credit Points: 12 **Contact Hours:** 3 per week

■ **AYN430 MANAGERIAL ACCOUNTING ISSUES A**
Issues for the management accountant in the new manufacturing environment, viewed from a finance economics perspective. Topics include performance evaluation; decision-making, cost allocation, operations research techniques.
Courses: BS70, BS87, BS94
Credit Points: 12 **Contact Hours:** 3 per week

■ **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: BS60, 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

Law, the Australian Stock Exchange listing rules, accounting standards and the common law.
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 non-profit 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: IF69
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: BN30, 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, EE43, 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

■ **BNT100 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

■ **BNT200 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

■ **BNT300 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

■ **BNT400 INDUSTRIAL EMPLOYMENT 4**
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; analysis and interpretation of financial statements; planning, control and business decision making.
Courses: AA21, BS50, BS56, ED23, ED50, IF37, IF52, IF54, 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.
Course: 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 systems technologies 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 wordprocessing, 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.
Course: 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.
Course: 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: BS50, BS56
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: BS50, BS56
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: BS50, BS56
Prerequisites: BSB102 or HRN104 or BSB115 and MIB202 or BSB116 and MGB206
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: HRB118

■ **BSN400 INDUSTRY ANALYSIS**
This unit aims to provide students with a detailed understanding of the particular industry or industries within which their organisation operates. A sound understanding of the nature of an industry requires the development of appropriate conceptual, analytical and operational skills. This unit provides the framework within which these dimensions are developed and applied to industries selected by the student for their major assignment.
Credit Points: 12 **Contact Hours:** 3 per week

■ **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 1**
This unit is designed to permit the student to undertake a research project, subject to the approval of the Course Coordinator.
Course: BS94 **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: BS94 **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: BS93, BS94 **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 accounting legal studies or 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: BS60, BS70, BS87
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

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:** 3

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
Introduction to material science including bonding, crystal structure, lattice defects and mechanical properties of solids. Investigating the macro behaviour of engineering materials applied to loads. The principles of heating and insulation in civil works. Measurement and evaluation of noise. Physical optics. Environmental degradation of civil engineering materials. Chemical reactions in corrosion processes. Impact of chemical processes on the natural environment.
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: CE42 **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 Honrs:** 3.5 per week

CEB202 CONCRETE STRUCTURES 1
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: CE31, CE42, CE43, 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 Autocard, Civil Cad, Micro-station or their equivalents will be used to prepare plans and designs for engineering projects.
Course: CE31
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: CE31
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.
Conrse: CE42, CE43, IF42, CE31
Prerequisites: CEB293, PSB907
Credit Points: 8 **Contact Honrs:** 4 per week

CEB221 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 application 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: CE42, CE31, CE43, 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: CE31
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: CE31
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: CE31
Credit Points: 8 **Contact Hours:** 4 per week

CEB227 CIVIL INVESTIGATION PROJECT
This will involve a small investigation of an area of civil engineering technology. The unit is designed to develop a student's ability to learn independantly and to compile and present verbal and written reports on the results of their investigation.
Course: CE31
Credit Points: 8 **Contact Hours:** 4 per week

CEB240 SOIL MECHANICS 1
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: CE42, CE43, IF42, CE31
Prerequisite: CEB185
Credit Points: 8 **Contact Hours:** 3.5 per week

CEB241 SOIL MECHANICS 2
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: CE31, CE42, CE43, IF42
Prerequisite: CEB240
Credit Points: 8 **Contact Hours:** 3 per week

CEB254 STRUCTURAL ENGINEERING 1
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: CE42, CE43, IF42, CE31
Prerequisite: CEB185 **Corequisite:** MAB487
Credit Points: 8 **Contact Hours:** 3.5 per week

CEB255 STRUCTURAL ENGINEERING 2
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: CE42, CE43, 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.
Courses: 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 **Prerequisite:** SCB246
Credit Points: 8 **Contact Hours:** 3 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.
Courses: 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.
Courses: 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: unsignalised and signalised 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.
Courses: 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. Rock 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 beam, frame and slab structures.
Course: CE42, CE43, IF42 **Prerequisite:** CEB255
Credit Points: 8 **Contact Hours:** 3 per week

CEB362 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, crests, chutes, etc.; mobile boundary hydraulics; the theory and practice relating to fixed and mobile boundary, natural scale and distorted models.
Course: CE42, CE43, IF42 **Prereqnisite:** CEB261
Corequisite: MAB893
Credit Points: 8 **Contact Hours:** 3 per week

CEB364 ENGINEERING SCIENCE 2
Hydraulic engineering for surveyors. Fluids and fluid flow in pipes and channels. Flow measurement. Hydraulic models. Pumps and pump characteristics.
Courses: PS47, PS48 SV34
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.
Courses: 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.

Courses: 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 **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 struetures, 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
Prerequisites: CEB304, CEB270, CEB372
Credit Points: 16 (8 per semester)
Contact Hours: 4 per week in Semester 1; 3 per week in Semester 2

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 exccution 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: CEB221, CEB304. Completion of at least 250 credit points of the course including an appropriate combination of units.
Credit Points: 16 (8 per seemster)
Contact Hours: 3 per week

CEB501 CIVIL ENGINEERING PRACTICE 1

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

CEB502 PROJECT CONTROL

The planning and management of engineering developments of significance 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

Working stress design. Assumptions, derivation of design formulae for beams, walls and columns with clay and concrete masonry. Masonry materials. Physical properties of masonry materials.
Course: CE42, CE43, IF42
Prerequisites: CEB306, CEB355
Corequisite: CEB293
Credit Points: 8 **Contact Hours:** 3 per week

CEB541 GEOTECHNICAL ENGINEERING 2

Analysis, design and installation of sheetpile walls and excavation support. Protection of adjacent structures. Analysis, design and installation of pile and pier foundations. Shallow foundations on rock. Rock sockets. Foundations on expansive soils. Site characteristics by in situ testing methods. Selection of soil properties for design.
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:** CEB341
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: CEB341
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/DPI design guidelines for water supply and sewerage reticulation, all fitments and testing; roads earthworks, pavements, surfacing, etc.; stormwater trenching, bedding and backfilling; water/sewer trenching, bedding, testing and backfilling; other services conducts, specifications and estimating procedures; preparation of selected engineering design plans roadworks, stormwater and other services; other engineered 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.
Course: 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.
Course: 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.
Course: 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, compaction 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:** CNB341
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, fabrications, etc.; cost engineering and cost control on engineering projects.
Course: 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: 8 **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:** 3 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

■ **CEP276 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.

Courses: CE63, CE74 **Corequisite:** CEP174
Credit Points: 12 **Contact Hours:** 3 per week

■ **CEP290 ENVIRONMENTAL LAW & ASSESSMENT**
Introduction to environmental law. Commonwealth and state legislation. Development controls. Trends in environmental control. The framework for environmental assessment. Description of the environmental setting. Impact assessment and analysis.
Courses: CE63, CE74
Credit Points: 8 **Contact Hours:** 2 per week

■ **CEP310 URBAN TRANSPORTATION PLANNING**
Transportation planning applications; road needs, urban transport, local area planning. Macro land use/transportation and micro urban transportation models; urban transportation zone selection and data needs; trip generation; model splits; surveying.
Courses: CE63, CE74
Credit Points: 8 **Contact Hours:** 2 per week

■ **CEP361 DRAINAGE ENGINEERING**
Drainage engineering for municipal engineers, road and railway designers, irrigation and general civil engineers. Rainfall and runoff models, both rational and computer models; drainage hydraulics of roof, streets, pipes, open channels, retention basins, culverts and bridges; erosion, sedimentation aspects of drainage, costs, planning policies and the law.
Courses: CE63, CE74
Credit Points: 8 **Contact Hours:** 2 per week

■ **CEP491 MUNICIPAL ENGINEERING PRACTICE**
A prescribed program of individual supervised study in a selected area within the field of municipal engineering, involving one or more major assignments together with appropriate tutorials.
Course: CE63
Credit Points: 16 **Contact Hours:** 4 per week

■ **CEP998 PROJECT B**
The student is required to investigate in depth a shorter approved topic than that required in CEP999. The results are presented in a major formal report.
Course: CE74
Credit Points: 20 **Contact Hours:** 5 per week

■ **CEP999 PROJECT A**
The student is required to investigate in depth a substantial approved topic within the range of civil engineering practice and to carry out design, computing, model or experimental design and construction, experimental work and testing. The results are presented in a major formal report.
Course: CE74
Credit Points: 36 **Contact Hours:** 9 per week

■ **CET606 CONSTRUCTION MANAGEMENT**
Construction planning, organisational structure, construction reporting, contract management, human relations, civil engineering plant hire.
Course: CE21
Credit Points: 7 **Contact Hours:** 3 per week

■ **CET704 CIVIL CONSTRUCTION PRACTICE**
Principles of temporary works design; formwork, false work, scaffolding, shoring, de-watering, excavation and earthworks, civil engineering plant, the Construction Safety Act and Regulations.
Course: CE21
Credit Points: 7 **Contact Hours:** 3 per week

■ **CET707 MUNICIPAL ENGINEERING**
Structures and function of local authorities, legislation, municipal road and street construction, design offices, traffic management, parking, town planning and subdivision, solid waste management, building practice, other municipal engineering aspects, field trip to local authority facilities.
Course: CE21 **Prerequisite:** CET815
Corequisite: CET565, CET775
Credit Points: 7 **Contact Hours:** 3 per week

■ **CET735 ADVANCED LABORATORY TESTING 1**
Testing work to give experience with a range of equipment and testing procedures. Includes field and laboratory testing in a number of selected areas.
Course: CE21
Credit Points: 7 **Contact Hours:** 3 per week

■ **CET787 STRUCTURAL ENGINEERING DRAWING**
Structural engineering drawings covering basic steel work and reinforced concrete works. Reinforcing schedules together with details of steel connections.
Course: CE21
Prerequisites: CET286, CET585, CET655, MET120
Credit Points: 7 **Contact Hours:** 3 per week

■ **CET797 PROJECT 1**
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: CE21 **Prerequisites:** 72 credit points.
Credit Points: 7 **Contact Hours:** 3 per week

■ **CET856 ADVANCED CONSTRUCTION TECHNIQUES**
History of construction; planning and programming including critical path analysis and resource levelling; contracts; crane selection and safety; case studies; detailed and 'fast' estimating techniques.
Course: CE21 **Prerequisite:** CET606
Credit Points: 7 **Contact Hours:** 3 per week

■ **CET876 PLANT OPERATION & MAINTENANCE**
Operation and maintenance of water quality treatment plants; scheduling, labour control, workshop organisation, safety, training, performance monitoring.
Course: CE21 **Prerequisite:** CET606
Corequisite: CET776
Credit Points: 7 **Contact Hours:** 3 per week

■ **CET887 COMPUTER 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: CE21 **Prerequisite:** CET286
Credit Points: 7 **Contact Hours:** 3 per week

■ **CET888 STRUCTURAL DRAWING & DESIGN**
Minor structural design and layout are undertaken. Preparation of advanced structural engineering drawings covering steel, reinforced and prestressed concrete and timber where geometric and physical restraints interact with the structural design process.
Course: CE21 **Prerequisites:** CET286, MET120
Corequisite: CET585, CET655, CET787
Credit Points: 7 **Contact Hours:** 3 per week

■ **CHA110 LABORATORY 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: SC15.
Credit Points: 8 **Contact Hours:** 3 per week

CHA210 ANALYTICAL CHEMISTRY 1
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, precipitimetry and complexiметry.
Course: SC15 **Prerequisite:** CHA110 or CHA111
Credit Points: 12 **Contact Hours:** 5 per week

CHA218 ANALYTICAL CHEMISTRY 1
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; radioactive breakdown and applications; bonding, molecular orbitals; hybridisation, shapes of simple molecules relating to their properties; simple coordination chemistry. The occurrence, extraction/manufacture, 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.
Course: SC12, SC15
Prerequisite: CHA110 or CHA111
Corequisite: CHA210
Credit Points: 8 **Contact Hours:** 4 per week

CHA250 ORGANIC CHEMISTRY 1
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.
Course: SC12, SC15 **Prerequisite:** CHA140
Credit Points: 8 **Contact Hours:** 3 per week

CHA270 PHYSICAL CHEMISTRY 1
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 1
This is the first part of an integrated syllabus of physical chemistry covering the fundamental aspects of chemical energies, 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 together 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 2
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 1
Chemical reactors 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 2
Continues the study of functional groups and includes carbonyl 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. Scientific measurement, atomic structure, periodic table, chemical equations, stoichiometry and calculations, chemical bonding, chemical reactivity, acids and bases, redox systems, matter, thermodynamics, enthalpy, heat of reactions, organic chemistry.
Courses: SC30
Credit Points: 6 **Contact Hours:** 3 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 CHB344 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 alkametry, indicators, redox, precipitimetry, 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, PU42, PU44, PU45, PU49, SC30
Credit Points: 12 **Contact Hours:** 6 per week
Incompatible with: CHB182

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.
Conrse: 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, Schroinger equation, translational, rotational and vibrational motions; atomic spectra and structure, quantum numbers and orbitales, electron spin.
Course: CH32
Prerequisites: Year 12 Chemistry – Sound Achievement or CHB001
Credit Points: 12 **Contact Honrs:** 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
Incompatible with: CHB142

CHB183 CHEMISTRY 1B
Fundamental studies in two of the three sub-discipline areas of chemistry – inorganic chemistry and organic chemistry; the periodic table; acids, bases and salts; chemical reactions and stoichiometry; chemistry of hydrogen; chemistry of oxygen; principles of bonding in compounds of carbon; structural and electrical effects in compounds of carbon; chemical reactivity of organic molecules; radical reactions of organic hydrocarbons; mechanism and industrial significance, halocarbons and industrial solvents; addition reactions of alkenes, mechanism and industrial significance, polymers and plastics.
Course: CH32
Prerequisites: Year 12 Chemistry – Sound achievement or CHB001
Credit Points: 12 **Contact Hours:** 6 per week

CHB213 CONCEPTS OF ANALYTICAL CHEMISTRY
Scope and limitation of analytical chemistry; role of analytical chemistry in society and technology; laboratory equipment and safety; chemical safety; types of analyses; analytical methodology; data handling; an overview of advanced analytical techniques.
Courses: CH32, ED50, SC30
Prerequisites: CHB173 or CHB182
Credit Points: 12 **Contact Hours:** 5 per week

CHB242 CHEMISTRY 2
Physical chemistry: Calorie counting – the underlying principle, first and second laws of thermodynamics; gases and respiration, Boyle's Law and the breathing process, Charles' Law, Henry's Law and oxygen hyperbaric therapy, Graham's Law; Speed control of chemical and biochemical processes. Inorganic chemistry: biologically important inorganic compounds, salts, coordination compounds and phosphate esters. Organic chemistry: the chemistry of hydrocarbons, stereochemistry, functional group chemistry, polyfunctional compounds, biologically important organic compounds including sugars, polycarboxylic acids, lipids, peptides and proteins, heterocyclic compounds.
Courses: LS36, OP42, PU42, PU44, PU49, SC30
Prerequisite: CHB142
Credit Points: 12 **Contact Hours:** 6 per week
Incompatible with: CHB282

CHB253 CHEMISTRY 2B
Builds on the fundamental concepts studied in Chemistry 1B CHB183 and develops a knowledge of organic mechanism as a tool for understanding the nature of organic chemical change; the use of modern spectroscopic techniques in structure elucidation.
Course: CH32 **Prerequisite:** CHB183
Credit Points: 12 **Contact Hours:** 5 per week

CHB259 ORGANIC CHEMISTRY
The chemistry of carbon; covalent bonding; families of organic compounds, their properties and reactions; biomolecules and polymers, carbohydrates, lipids, proteins, enzymes.
Course: PU49 **Prerequisite:** CHB001
Credit Points: 12 **Contact Hours:** 5 per week

CHB282 CHEMISTRY 2
Atomic structure; chemical bonding; thermo-dynamics; oxidation and reduction; electrochemistry; coordination chemistry; metals, metallurgy, transition elements; silicon, silicates, semiconductors; stereochemistry and optical activity; alcohols, phenols, ethers, amines; aldehydes and ketones, carboxylic acids and functional derivatives of carboxylic acids; infrared spectroscopy.
Courses: ED50, SC30 **Prerequisite:** CHB182
Credit Points: 12 **Contact Hours:** 6 per week

CHB283 CHEMISTRY 2A
Continuation of the fundamental studies already commenced in two of the three sub-discipline areas of chemistry. Thermodynamics; surface chemistry; equilibrium electrochemistry; liquids and solutions; the Phase Rule. Chemistry of non metals; chemistry of metals; coordination chemistry; nuclear chemistry.
Course: CH32
Prerequisites: CHB173, CHB183, MAB200, PHB122
Credit Points: 12 **Contact Hours:** 5 per week

CHB289 ORGANIC & PHYSICAL CHEMISTRY
Physical chemistry: Calorie counting – the underlying principle, first and second laws of thermodynamics; gases and respiration, Boyle's Law and the breathing process, Charles Law, Henry's Law and oxygen hyperbaric therapy, Graham's Law; Speed control of chemical and biochemical processes. Organic chemistry: the chemistry of hydrocarbons, stereochemistry, functional group chemistry, polyfunctional compounds, biologically important organic compounds including sugars, polycarboxylic acids, lipids, peptides and proteins, heterocyclic compounds.
Course: PU45 **Prerequisite:** CHB142
Credit Points: 8 **Contact Hours:** 4 per week
Incompatible with: CHB242, CHB282

CHB292 APPLIED SCIENCE FOR DESIGNERS 2
Chemistry for environmental design; basic chemical properties of common materials, natural and artificial; chemical processes in buildings and artefacts.
Course: BN30
Credit Points: 4 **Contact Hours:** 2 per week

CHB313 ANALYTICAL CHEMISTRY 3
Analytical techniques including volumetric glassware, basic laboratory equipment, laboratory balances (top-pan and analytical), sampling, sample dissolution principles; neutralimetry; redoximetry; precipitimetry; complexiметry; gravimetry; treatment of results; instrumental methods.
Courses: CH32, ED50, SC30
Prerequisites: CHB253, CHB282 or CHB283
Credit Points: 12 **Contact Hours:** 5 per week

CHB333 INORGANIC CHEMISTRY 3
Coordination chemistry; bonding and structure of metal complexes including crystal field theory and valence bond theory; an introduction to group theory; spectroscopic terms; solution chemistry – the structure of water; aqueous solutions; inorganic properties of water; distribution diagrams; hydrolysis; EH/pH diagrams; bioinorganic chemistry – biological significance of ligands and metals; HSAB theory; complex equilibria; applications with examples of selected bioinorganic systems – proteins, haem, etc.; chemistry of lanthanides and actinides; chemistry of selected non-metals; chemistry of precious metals.
Courses: CH32, ED50, SC30
Prerequisites: CHB282 or CHB283
Credit Points: 12 **Contact Hours:** 5 per week

CHB346 ENGINEERING CHEMISTRY C
Specialised chemistry unit designed for civil engineers and includes such topics as PH control; the chemistry of materials; polymers and composites; corrosion and its prevention.
Course: CE42 **Prerequisites:** CHB002 or equivalent
Credit Points: 4 **Contact Hours:** 2 per week

CHB352 ORGANIC CHEMISTRY 3
Fundamentals of organic reactions; major mechanistic classes, nucleophilic substitution, elimination, electrophilic addition, nucleophilic addition,

electrophilic substitution; ultraviolet spectroscopy: electronic transitions, chromophores, bathochromic and hypsochromic shifts, sampling; infrared spectroscopy: classification of vibrations, effects of: molecular association, conjugation, cumulation, a-halogens, 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, cyclohexane 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, electrocapillary curves, surface excess, molecular adsorption; phase rule: derivation of phase rule, applications to one component, binary, condensed and ternary systems; thermodynamics: 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: CHB001 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 electrometric/spectroscopic/flame separation to the analysis of materials from the biosphere.
Courses: PU42, PU44, SC30
Prerequisites: CHB242 or CHB282
Credit Points: 8 **Contact Hours:** 4 per week
Incompatible with: A major in Chemistry or CHB313

CHB423 CHEMICAL TECHNOLOGY 4
The chemical industry; process flowsheets; sources and interpretation of data; industrial stoichiometry; material and energy balance calculations for both principles of particle mechanics and their applications in solids handling, crushing and grinding; classification; solid-liquid separation operations; solid-fluid contacting operations; fluid mechanics and their applications in storage, transport, mixing and dispersing operations; liquid-liquid extraction operations.
Courses: CH32, ED50, SC30
Prerequisites: PHB122 , CHB373 or CHB372
Credit Points: 12 **Contact Hours:** 5 per week

CHB453 ORGANIC CHEMISTRY 4
A critical analysis of the chemistry of five and six-membered heterocyclic systems with a single hetero atom; preparation, stability and applications to organo synthesis of the main group organometallic compounds; rearrangement reactions which involve 1, 2-shifts to electron-deficient elements; principles and practice of thin-layer chromatography, gas-liquid and high performance liquid chromatography in the separation and analysis of organic compounds.
Courses: CH32, ED50, SC30
Prerequisites: CHB352 or CHB353
Credit Points: 12 **Contact Hours:** 5 per week

CHB466 ENVIRONMENTAL CHEMISTRY
An introduction to environmental chemistry for engineers. Introduces chemistry of environmental processes in atmosphere and hydrosphere. Effects of pollutants on the environment. Review of analytical techniques. Global issues including greenhouse, acid rain and ozone depletion.
Course: CE42
Credit Points: 6 **Contact Hours:** 3 per week

CHB473 PHYSICAL CHEMISTRY 4
Thermodynamics; surface chemistry; dynamic electrochemistry; chemical kinetics.
Courses: CH32, ED50, SC30
Prerequisites: CHB372 or CHB373
Credit Points: 12 **Contact Hours:** 5 per week

CHB513 INSTRUMENTAL ANALYSIS 5
Quality assurance, data analysis, trace analysis, methods reliability, accuracy, precision, sensitivity, selectivity, limit of detection, comparative studies; atomic spectroscopy, theory and instrumentation; mass spectrometry, introductory theory and instrumentation; liquid chromatography, ion chromatography, practices and principles.
Courses: CH32, SC30
Prerequisites: CHB313, CHB372, CHB373, CHB453
Credit Points: 12 **Contact Hours:** 5 per week

CHB523 CHEMICAL TECHNOLOGY 5
Principles of heat transfer and their applications in heat exchange and evaporative operations; distillation; principles of mass transfer in gas absorption psychrometry, drying and membrane operations. Physical property (thermodynamic and transport) estimation techniques for gases, liquids and solids. Introduction to process simulation and analysis with the aid of Aspen solftware.
Courses: CH32, SC30
Prerequisites: CHB423, CHB473
Credit Points: 12 **Contact Hours:** 5 per week

■ **CHB533 INORGANIC CHEMISTRY 5**
Chemistry of selected metalloids; organometallic chemistry; inorganic reaction mechanisms; special interest metals; development of principles of group theory; symmetry operations and inorganic IR spectra; UV-visible spectra; bioinorganic chemistry of special molecules; lasers and inorganic chemistry.
Courses: CH32, SC30 **Prerequisite:** CHB333
Credit Points: 12 **Contact Hours:** 5 per week

■ **CHB553 ORGANIC CHEMISTRY 5**
Principles of retrosynthesis, concepts of functional group equivalence and interconversions, disconnections, synthons, strategy and tactics, selectivity and control, protecting groups. Synthesis of the major classes of organic compounds, including difunctional compounds, 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

■ **CHB573 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, electrometric methods including voltametry, amperometry; data acquisition, methods of automated analysis, flow-based analysers, 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/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**
Sources of chemicals and energy. Chemical reaction engineering, equilibrium thermodynamics and applications in chemical process analysis. Process synthesis. Process engineering costing, profitability analysis, network analysis, optimisation. Process simulation and case study analysis using Aspen software.
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 spectroscopies.
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 main biosynthetic 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:** CHB553
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 requirement for this unit as directed by the Course Coordinator and Head of School.
Course: SC60
Credit Points: 6 **Contact Hours:** 2 per week

■ **CHB880 ADVANCED TOPICS IN 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.
Course: SC60
Credit Points: 24 **Contact Hours:** 6 per week

■ **CHN701 TOPICS IN ADVANCED CHEMISTRY 1**
A series of lectures and/or a reading program and/or selected laboratory exercises designed to provide the student with the appropriate theoretical and practical background, at an advanced level, necessary for the completion of a research program.
Course: SC80 **Credit Points:** 12

■ **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:** 44

■ **CHN710 CHEMICAL INSTRUMENTATION**
Chemical instrumentation and electronics required for advanced level operation of scientific instrumentation.
Course: SC80
Credit Points: 12 **Contact Hours:**

■ **CHN720 CHEMOMETRICS**
The concepts of chemical data acquisition and interpre-

tation; computational methods and existing software packages for statistical analysis in chemistry; statistical methods in quality and process control; sampling procedures; multivariate analysis and optimisation techniques.
Course: SC80 **Credit Points:** 12

CHN730 ADVANCED PHYSICAL METHODS IN CHEMISTRY
The theoretical and practical principles of selected physical methods in chemistry.
Course: SC80 **Credit Points:** 12

CHN740 LABORATORY TECHNIQUES FOR PREPARATIVE CHEMISTRY
The experimental techniques for the preparation and isolation of pure substances.
Course: SC80 **Credit Points:** 12

CHN801 TOPICS IN ADVANCED CHEMISTRY 2
See CHN701.
Course: SC80 **Credit Points:** 12

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; sterilisation; bio-reactors; and scale-up. Other topics are selected from animal cell culture, protein biotechnology, downstream processing and bio-process economics.
Courses: LS65, LS70, SC60, SC80
Credit Points: 12 **Contact Hours:** 5 per week

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 polssivle altcmatives on a cost- effectiveness basis.
Course: LS70
Credit Points: 12 **Contact Hours:** 4 per week

CHP320 DOWNSTREAM PROCESSING
Introduction to the fundamental problems of separation operations inportant 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

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, mas transfer problems), applied enzymolgy, and bioseparations (cell disruption and separation, membrane and chromatographic techniques). In the case of recombinant organisms an intergrated 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

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, sulp.
Courses: CE63, CE74
Prerequisites: Year 12 Chemistry – Sound Achievement or CHB001.
Credit Points: 8 **Contact Hours:** 5 per week

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: IF64
Credit Points: 12 **Contact Hours:** 3 per week

CHS200 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

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 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: 9 **Contact Hours:** 3 per week

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 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: 9 **Contact Hours:** 3 per week

■ 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: CN41 **Prerequisites:** In final 3 part-time years
Credit Points: 9 **Contact Hours:** 3 per week

■ 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: CN41 **Prerequisites:** In final 3 part-time years
Credit Points: 9 **Contact Hours:** 3 per week

■ CNB005 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 mensuration 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 roofer and roof plumber, plasterer, paviour, tiler and terrazzo worker, joiner, ironmonger, glazier and painter.
Courses: CN31, CN33
Prerequisites: CNB151, SNB154
Credit Points: 6 **Contact Hours:** 3 per week

■ 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

■ 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

■ CNB010 MEASUREMENT OF CONSTRUCTION 4

Detailed study and instruction in the process and methods of taking off and billing quantities for the trades of asphalter and built up roofing, demolisher, mason, structural steel and precast concrete.
Courses: CN31, CN33 **Prerequisite:** CNB009
Credit Points: 4 **Contact Hours:** 2 per week

■ 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

■ 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

■ 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: CN41 **Prerequisites:** In final 3 part-time years
Credit Points: CNB021: 12; CNB022: 12; CNB023: 9; CNB024: 9
Contact Hours: 3 per week

■ 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: CN41 **Prerequisites:** In final 3 part-time years
Credit Points: CNB021: 12; CNB022: 12; CNB023: 9; CNB024: 9
Contact Hours: 3 per week

CNB023 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 researeh; 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

CNB032 PROFESSIONAL PRACTICE 2

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

CNB033 PROFESSIONAL PRACTICE 3

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 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

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 and structural qualities; laboratory and field testing of bricks, mortar, brickwork, concrete, timber, steel; protection of material against corrosion and fire.

Courses: CN31, CN33 **Prerequisite:** CNB103
Corequisite: CNB154
Credit Points: 4 **Contact Hours:** 2 per week

CNB112 CONSTRUCTION 2

A continuation of Construction 1 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 **Prereqnisite:** CNB111
Corequisite: CNB114
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 **Prerequisite:** CNB113
Corequisite: CNB112
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 **Prerequisite:** CNB111
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 **Prerequisite:** CNB111
Corequisite: CNB112
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 precedence, 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. Manufacuring 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 emphases 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, COB165
Corequisites: CNB112, CNB114, CNB116, CNB118, PSB910
Credit Points: 8 **Contact Hours:** 3 per week

■ **CNB131 MEASUREMENT OF CONSTRUCTION 1A**
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 **Prerequisite:** CNB145
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 **Prerequisite:** CNB151
Corequisites: CNB104, CNB146
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; differentiation of competing land use; location decisions in the urban market; intra-urban location; market failures, exterualities 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 use.
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., parapet, balconies and balustrades. Sheet metal and built-up roofing, rainwater goods. Fire and sound resistant materials, components and construction. Suspended, fire and spray finish ceiling. Fittings and built in furniture, etc. Light industrial: Raft, pier and pile foundations and earthworks, including equipment. Structural steel systems including portal frames, girder, trusses, etc. Roof lights. Sheet external wall cladding. Industrial horizontal, vertical, sliding, folding and roller shutter doors. Special floor finishes. Handling equipment. Formwork design: objectives in building formwork, understanding quality, safety and control. Formwork planning, reuse, erecting and stripping schedules. Types of facing material, hardware and fasteners. Loads and pressures on forms and use of design tables. Formwork drawing, detailing, building and erecting. Special techniques and prestressing/post tentioning. Proprietary formwork and falsework.
Courses: CN41, CN43
Prerequisites: CNB113, CNB112, CNB114, CNB119
Corequisite: CNB213, 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 scope 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
Prerequisites: CNB211, CNB213, CNB221
Credit Points: 9 **Contact Hours:** 5 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 cranes, loads in lifting systems; unbalanced loads during construction; stability of multi-storeyed 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, masonry, woodwork, partitions for simple buildings having a single storey having both suspended and slab on ground construction.
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 frame 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, busbars, 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, justification, hardware, software. Electrical plans, specifications, symbols, CAD. Lightning 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 problem, 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 in 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:** 4 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 concreter, 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

construction and on the sequencing of tasks.
Courses: CN41, CN43 **Prerequisite:** CNB215
Corequisites: CNB212, CNB216
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, CNB221, 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, concreter, bricklayer, blocklayer and carpenter for simple building.
Courses: CN31, CN33
Prerequisites: CNB131, CNB151, CNB154
Corequisite: CNB253
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, concreter, bricklayer, blocklayer in simple basement, underpinning, pier and beam, RC frame and suspended slab; taking off and billing in the trades of asphalter, 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 to multi-storey residential buildings: substructure, 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.
Course: 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 **Prerequisite:** CNB261
Credit Points: 8 **Contact Hours:** 3 per week

■ **CNB263 VALUATION 1**
Basic concepts and principles of real property value. Definitions of value. Process and methods used in property valuation. Ethics factors influencing accuracy of valuations. The comparative approach. Valuations of vacant land and residential property. Valuation inspection and reports. Practical valuation assignments. Summation. Investment valuation; rental value, outgoings.
Course: CN32
Credit Points: 7 **Contact Hours:** 3 per week

■ **CNB268 VALUATION 2**
See CNB263.
Course: CN32 **Prerequisite:** CNB263
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

■ **CNB311 CONSTRUCTION 5**
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 efficacy 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. External noise control by insertion, absorption and transmission loss. The management of noise in the built environment.
Courses: CN41, CN43 **Prerequisite:** CNB212
Credit Points: 9 **Contact Hours:** 5 per week

■ **CNB312 MEASUREMENT 4**
Detailed study and instruction in the process and methods of taking off and billing quantities in: The SMM trade groundworks 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

■ **CNB313 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

■ **CNB314 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**
Accounting process to trial balance, preparation of end of period reports, accounting systems and data collection, accounting for cash, credit, fixed assets and payroll, final company accounts. Management versus financial, cash versus accruals accounting, profit versus taxable income. Factors impacting on profit and intangible assets, concepts of capitalised expenditure. Building plant depreciation. Cost coding and cash flow. Cost analysis and control, salary allocation and overheads. Accounting period ratios, balance sheet, impact on turnover. Statements of sources and application of funds, accounting report and sources of business funding.
Courses: CN41, CN43 **Prerequisite:** 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 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; 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

Corequisites: CNB313, CNB315, CNB323, CNB321
Credit Points: 6 **Contact Hours:** 3 per week

■ CNB318 COMMERCIAL LAW

Sale of goods. Hire purchase. Negotiable instruments. Insurance law. Partnership law, general principles of Company law. Bankruptcy and liquidation.
Courses: CN41, CN43
Prerequisites: CNB321, CNB214, CNB315
Credit Points: 6 **Contact Hours:** 2 per week

■ 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; outright and 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

■ CNB320 BUILDING ECONOMICS 2

Case studies covering the following fully worked examples: tax depreciation schedule on an office and a hotel; value management study of an 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
Corequisite: CNB314
Credit Points: 6 **Contact Hours:** 3 per week

■ 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 **Prerequisite:** CNB311
Corequisites: CNB200, CNB214
Credit Points: 6 **Contact Hours:** 3 per week

■ 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, precast 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 sub contract 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:** 2 per week

■ 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: CN43
Prerequisites: CNB224, CNB311, CNB313, CNB315, CNB319, CNB323, CNB327, CNB321
Corequisites: CNB312, CNB320, CNB314, CNB332, CNB316, CNB318
Credit Points: 9 **Contact Hours:** 3 per week

■ CNB325 BUILDING ECONOMICS

History of 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

■ 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

■ 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

■ 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

■ CNB329 BUILDING CONTRACTS AND ARBITRATION LAW

Contents of building contracts and contract documents, with particular reference to and consideration of the major provision 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, rule of evidence, enforcement of an award, costs.
Courses: CN41, CN43
Prerequisite: 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 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 the course and may include software packages covering construction business management; construction administration and cost control; estimating, cost planning 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; measurement input; editing, correction and data manipulation; report generation in various bill of quantities formats; pricing using estimated and/or tendered rates; elemental 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 students will be provided with working drawings, specification, bills of quantities and contract conditions. Estimating 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 foundation 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 process; sources and divisions of the law; rules of precedence; interpretation of statutes and regulations; legal practice and procedure; law of property, ownership and possession, 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 composition 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 housing, 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: 4 **Contact Hours:** 2 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 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: CN31, CN33, PU42
Credit Points: 4 **Contact Hours:** 2 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; pricing decisions, approach to selling; consideration of sales particulars and anction 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.
Courses: CN32, PS47
Credit Points: 8 **Contact Hours:** 3 per week

■ **CNB363 VALUATION 3**
Valuation formula; time value concepts; investment approach, basic capitalisation and cash flow techniques. Assumptions. Practical applications of investment approach 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 determination, inventory valuation and costs of goods sold, introduction of asset valuation theories, depreciation, intangible asset determination, effects of taxation. Analysis and interpretation of financial statements: multiple

factors in interpretation, analysis principles for business brokerage. Asset valuation: conventional bases for valuation, current cost, replacement cost general price level changes, effects in depreciation and taxation. Business structures: sole trader, partnerships, companies and appropriate accounting procedures. Business analysis and assessment of value for business brokerage. Project accounting, contracts, part-payments, interim project determination, development costs.
Courses: CN32, PS47
Credit Points: 9 **Contact Hours:** 3 per week

■ **CNB368 REAL ESTATE ACCOUNTING 2**
Budgeting and cost accounting, the production function, decision and control aspects of production, cost accounting, cost flows, cost types, cost classification, costing systems, standard costing and variance analysis, flexible budgets and budgetary control, performance and evaluation. Company finance: objectives of the finance function, use of financial indicators, debt equity sources of funds, financial versus capital structure, financial risk and gearing, cost of capital. Cash flow management: decision making using cash flow management techniques viz purchase versus lease, etc. Working capital management and short-term investment criteria. Capital budgeting for an ongoing business. Project sorting and budgeting.
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
Prerequisites: 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
Prerequisites: 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 behavioural 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; financing 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:** 3 per week

■ **CNB421 ELECTIVE 1**
The student will chose 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:** 3 per week

■ **CNB422 ELECTIVE 2**
The student will chose 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:** 3 per week

■ **CNB431 ELECTIVE 1**
The student will chose 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: CN41 **Prerequisites:** Final year subjects
Credit Points: 9 **Contact Hours:** 3 per week

■ **CNB432 ELECTIVE 2**
The student will chose 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: 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

■ **CNB451 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 preamble development.
Course: CN33
Prerequisites: CNB010, CNB246, ISB180
Credit Points: 4 **Contact Hours:** 2 per week

■ **CNB452 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; contract administration, variation control, rise and fall of final accounts; progress payments; cash flow forecasts.
Course: CN33 **Prerequisite:** CNB647
Corequisite: CNB648
Credit Points: 4 **Contact Hours:** 2 per week

■ **CNB461 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

■ **CNB462 MEASUREMENT OF CONSTRUCTION 6**
Methods of taking off and billing quantities in the trades plumber and drainer.
Course: CN33 **Prerequisite:** CNB347
Credit Points: 3 **Contact Hours:** 1.5 per week

■ **CNB464 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 **Prerequisite:** CNB268
Credit Points: 8 **Contact Hours:** 3 per week

■ **CNB465 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 CF 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

■ **CNB466 PROPERTY INVESTMENT ANALYSIS 2**
See CNB465.
Course: CN32
Prerequisites: CNB363, CNB465, CNB667
Credit Points: 8 **Contact Hours:** 3 per week

■ **CNB470 VALUATION 6 RURAL**
See CNB464.
Course: CN32 **Prerequisite:** CNB464
Credit Points: 8 **Contact Hours:** 3 per week

■ **CNB471 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:** CNB342
Credit Points: 8 **Contact Hours:** 2.5 per week

■ **CNB472 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:** CNB368
Credit Points: 8 **Contact Hours:** 2 per week

■ **CNB501 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

■ **CNB502 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

■ **CNB520 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:** CNB254
Credit Points: 3 **Contact Hours:** 1.5 per week

■ **CNB524 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

■ **CNB526 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, correlation and 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 **Prerequisite:** 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 **Prerequisite:** CNB261
Credit Points: 8 **Contact Hours:** 3 per week

■ **CNB563 STATUTORY VALUATION**
Capital taxation as it affects property transactions. Valuations for: tax and taxation of capital gains; for statutory rating purposes under relevant legislation appeals procedure; for compulsory acquisition; assessment of compensation resulting from acquisition, resumption and damage. Evidence; the expert witness and professional liability; mock court.
Course: CN32 **Prerequisites:** CNB363, CNB364
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**
Review of theory of price, and applied economics of markets: determinants and conditions of supply and demand, market equilibrium, competition, economic cycles. Real property markets, identification of submarkets: Residential and non-residential markets. Significance of tenure. Impact of government policies, sources of data; analysis of ABS data. Applied studies of nominated submarkets. Market analysis techniques, trends and studies: local, national and overseas. Future trends.
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.

Courses: CN32, CN81, PS47
Credit Points: 5 **Contact Hours:** 2.5 per week

CNB601 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, CN81 **Prerequisite:** CNB146
Corequisite: CNB253
Credit Points: 4 **Contact Hours:** 2 per week

CNB603 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

CNB606 PM8 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 subdivisible 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

CNB623 PM6 BUILDING DEVELOPMENT TECHNIQUES 1

Feasibility, market and location surveys; cost analysis; evaluation techniqnes, conventional and discounting; cash flows and sensitivity 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 docnmentation; leasing, brochures, publicity, letting agents, targets; authorisation of payments, monthly reports, coordination meetings; financing projects and cash flow.
Courses: CN31, CN33
Prerequisites: CNB301, CNB343, CNB401, CNB502, CNB540, CNB545, CNB550
Credit Points: 4 **Contact Hours:** 2 per week

CNB624 PM7 BUILDING DEVELOPMENT TECHNIQUES 2

See CNB623.
Courses: CN31, CN32, CN33 **Prerequisite:** CNB623
Credit Points: 4 **Contact Hours:** 2 per week

CNB626 LAND DEVELOPMENT STUDIES

See CNB606.
Courses: CN32, CN81
Corequisite: CNB623
Credit Points: 4 **Contact Hours:** 2 per week

CNB642 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

CNB643 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
Prerequisites: CNB404, CNB502
Credit Points: 3 **Contact Hours:** 1.5 per week

CNB647 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; comparing 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 data; cost in use, maintenance and running costs, the life of buildings and components; taxation and insurance.
Course: CN33
Prerequisites: CNB005, CNB006, CNB009, CNB010, CNB446, CNB461, CNB462, CNB524, CNB540
Credit Points: 4 **Contact Hours:** 2 per week

CNB648 COST PLANNING & COST CONTROL 2

Continuation of CNB647.
Course: CN33 **Prerequisite:** CNB647
Corequisite: CNB452
Credit Points: 4 **Contact Hours:** 2 per week

CNB653 POST-CONTRACT SERVICES 2

Continuation of CNB526.
Course: CN33 **Prerequisite:** CNB526
Credit Points: 5 **Contact Hours:** 2.5 per week

CNB656 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

CNB661 RESEARCH DISSERTATION 1

Develop an ability to disseminate and evaluate information and specialised knowledge and acquire an understanding of research methodology. Encompasses 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

CNB662 RESEARCH DISSERTATION 2

See CNB661.
Course: CN32 **Prerequisite:** CNB661
Credit Points: 8 **Contact Hours:** 4 per week

CNB663 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.

Course: CN32 **Prerequisite:** CNB626
Credit Points: 5 **Contact Hours:** 2 per week

■ **CNB664 PROPERTY DEVELOPMENT 2**
See CNB663.
Course: CN32 **Prerequisite:** CNB663
Credit Points: 6 **Contact Hours:** 2 per week

■ **CNB665 PROPERTY MANAGEMENT 1**
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 **Prerequisite:** CNB665
Credit Points: 8 **Contact Hours:** 3 per week

■ **CNB667 APPLIED COMPUTER TECHNIQUES**
Designed to give students hands-on experieuce and to demonstrate coutemporary 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 **Prerequisite:** CNB363
Credit Points: 8 **Contact Hours:** 3 per week

■ **CNN441 DISSERTATION**
See CNN442.
Courses: CN77 **Credit Points:** 48

■ **CNN442 DISSERTATION**
The dissertation may bc of a research or investigative nature on any approved area related to project 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 IFN001 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 managemcnt 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 an 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 o technology and managing the technical function. Advanced use of industry case studies and assignments.
Course: BS81
Credit Points: 12 **Contact Hours:** 2.5 per week

■ **CNP402 PRINCIPLES OF VALUATION**
Basic concepts and principles of real property value. Definitions of value. Process and methods used in property valuation. Ethics factors influencing accuracy of valuations. The comparative approach. Valuations of vacant land and residential property. Valuation inspection and reports. Practical valuation assignments. Summation. Investment valuation; rental value, outgoings.
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: rating, 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 approvals; resource planning; acquisition/procurement; project coordination; 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; preliminary brief; development objective, motivation and needs; feasibility studies; project feasibility/justification; finance for projects; marketing.
Courses: CN64, CN77, CN81
Credit Points: 12 **Contact Hours:** 2 per week

■ **CNP429 COST MANAGEMENT & ECONOMICS**
Financial statements; investment decisions; economic evaluation; financing decisions; life cycle costing; control systems; management accounting and reporting; information systems; cost planning theories and techniques; the economy.
Courses: CN64, CN77, CN81
Credit Points: 6 **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: 12 **Contact Hours:** 2 per week

■ **CNP431 PROJECT MANAGEMENT**
Introduction to theory of project management in the areas of communication, management and organisation as it applies to the project situation. Communication: process, 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 management. 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 established 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 oriented 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, CB81
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 financing; 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; property type selection.
Coarses: CN64, CN77, CN81
Credit Points: 6 **Contact Hours:** 2 per week

■ **CNP439 PROPERTY MANAGEMENT**
The motivation, instrumentation and application of property management for commercial and industrial real estate, including lease construction, rental valuations, rent review, review types, budgeting, ontgoings and physical management. Trends and prospects.
Courses: CN64, CN77, CN81, PS69
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, project 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, writing 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

persuasive writing, oral reporting and persuasive speaking, group decision making and meeting procedures, leadership and participation.
Credit Points: 6 **Contact Hours:** 2 per week

■ **COB003 PROFESSIONAL WRITING**
The principles of, and strategies for, writing effective technical documents. Practical understanding of written langnage: organising ideas, and presenting those ideas in a cohesive text nsing generic features appropriate to the technical professions.
Courses: BS30, AR48, AR41, SV34
Credit Points: 6 **Contact Hours:** 1.5 per week

■ **COB004 PROFESSIONAL WRITING AND LEARNING AT UNIVERSITY**
The principles of, and strategies for, writing effective technical documents. Practical understanding of written language, organising 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:** 3 per week

■ **COB005 TECHNICAL AND SCIENTIFIC WRITING**
The development of writing skills for scientists and technological 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.
Conrse: 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.
Course: 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.
Course: ED50
Credit Points: 12 **Contact Hours:** 3 per week

■ **COB173 TEXT FORMATTING**
The use of technology for document preparation, analysis of underlying principles of skills acquisition, traditional and technological perspectives on: document design, document formatting, business correspondence, tabulation, financial statements, business forms, document formatting for specialised businesses and transcription.
Course: ED50
Credit Points: 12 **Contact Hours:** 3 per week

■ **COB200 BUSINESS COMMUNICATION AND TECHNOLOGY**
Extends the professional education of teachers of Secretarial Stndies and provides an opportunity to broaden knowledge of concepts and application of technology, its impact on functions, procedures and supervisory practices in organisations.
Conrse: 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 practise 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-

dents 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 marketeers 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 grounds students in the key components of formal English grammar in order to enhance their understanding of writing at the word, sentence and paragraph level. The 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. There is heavy emphasis on application of these perspectives to solving advanced advertising problems and the use of both basic and advanced skills 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-

ries 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 document 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: COB308, 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 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

Prerequisites: COB318 or COB308 or COB325
Credit Points: 12 **Contact Hours:** 3 per week

■ **COB311 COMMUNICATION PRACTICE: INTERPERSONAL & PRESENTATIONAL STRATEGIES**

The 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, semiotics, 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: BS50, BS56
Prerequisites: COB213 or 96 credit points of approved prior study
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 replicators; the human-machine interface and interpersonal relationships.
Courses: BS50, BS56
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: BS50, BS56
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: BS50, BS56
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: BS50, BS56 **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: BS50, BS56
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: BS50, BS56 **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, impact of technology, and ethics. Both traditional and critical perspectives on managing communication will be explored.
Courses: BS50, BS56 **Prerequisite:** COB216
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: BS50, BS56
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: BS50, BS56 **Prerequisites:** COB309
Credit Points: 12 **Contact Hours:** 3 per week

■ **COB321 PROFESSIONAL PUBLIC RELATIONS PRACTICE**

Students must undertake 160 hours of field expertise 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: BS50, BS56
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 trinity: 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 identity development, community relations, financial relations, media liaison and government relations.

Courses: BS50, BS56
Prerequisites: BSB117, 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, presenting and production management. Techniques for producing and placing community service announcements are covered.

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. Planning and organising ideas. 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-

nication 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 emphasises 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.
Course: 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.
Course: 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 **Prerequisites:** CON402
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: BS63, 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: COP108

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.
Course: 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
Incompatible with: COB213, COB205

■ **CON411 INDEPENDENT STUDY UNIT**
An opportunity for advanced level 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: BS93
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 interpersonal cooperation and/or competition; the implications of cultural diversity for societal enrichment or disintegration; the consequences for self identity in 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. It 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
Incompatible with: COB216, COB113

■ **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 and 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

■ **CPB338 IDENTIFYING & RESPONDING TO STUDENT DIFFERENCES**
The range of perceptions and reactions to individual difference; the psychological explanations for the sociocultural contexts of difference in schools; perspectives on the identification and classification of special

educational needs. From a commitment to social justice and equity, it examines policy initiatives which impact on learners and teachers; identifies appropriate strategies.
Courses: ED37, ED50, ED51, ED52, ED54
Credit Points: 12 **Contact Hours:** 3 per week

■ **CPB339 TEACHING ABORIGINAL & TORRES STRAIT ISLANDER STUDENTS**
An examination of the cultural, linguistic and social background of Aboriginal and Torres Strait Islander students and their current educational needs. Curriculum issues and classroom strategies for more effective teaching of Aboriginal and Torres Strait Islander students, together with strategies for working with parents and the community.
Courses: ED37, ED50, ED51, ED52, ED53, ED54
Credit Points: 12 **Contact Hours:** 3 per week

■ **CPB340 CONTEXT OF ADULT AND WORKPLACE EDUCATION**
The impact of major social, economic, cultural, environmental and technological trends on education, work and citizenship. A range of interpretations and perspectives is presented. Participants evaluate and relate these to the practical contexts of their work as adult and workplace educators.
Course: ED54
Credit Points: 12 **Contact Hours:** 3 per week

■ **CPB341 COMMUNITY, LEADERSHIP & CITIZENSHIP**
Contemporary issues and factors impacting on communities and creating special needs for community education, leadership and organisational capacities, improved cultural awareness, and revitalised practices of active and informed citizenship.
Course: ED54
Credit Points: 12 **Contact Hours:** 3 per week

■ **CPB342 EDUCATION IN CONTEXT**
Education and change in a post-modern 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.
Courses: ED50, ED51, ED52
Credit Points: 12 **Contact Hours:** 3 per week

■ **CPB343 UNDERSTANDING EDUCATIONAL PRACTICES**
The social, cultural, historical and political contexts of schooling; technologies, practices and strategies employed by schools; the curriculum as a contested site; the place of schooling in the modern state. Critical reflection by students is encouraged, allowing them to engage with others as co-theorists in pedagogical work.
Courses: ED50, ED51, ED52, ED53, ED54
Credit Points: 12 **Contact Hours:** 3 per week

■ **CPB420 CONTEMPORARY ISSUES IN EDUCATION**
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.
Course: ED26
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.
Course: 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.
Course: 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.
Course: 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.
Course: 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.
Course: 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-

riginal culture and education; current initiatives; participation of Aborigines in policies and programs.
Courses: ED26, ED61
Credit Points: 12 **Contact Hours:** 3 per week

■ **CPB446 WOMEN, EDUCATION & SOCIAL CHANGE IN AUSTRALIA**
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

■ **CPN603 CHANGING AGENDAS IN LEADERSHIP EDUCATION**
The meaning of leadership in a world of change and dilemma, where, for example, corporate managerialism has to be reconciled with democratic, collaborative, gender and equity policy considerations. Contemporary differing approaches to the study of leadership are examined, including organisation theory, women and leadership, ethics and leadership, cultural analysis and critical theory.
Courses: ED13, ED11, ED61
Credit Points: 12

■ **CPN604 EQUITY AND EDUCATION 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

■ **CPN605 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

■ **CPN606 EDUCATIONAL LEADERSHIP, POWER AND CAREERS**
Issues in the changing nature of work relating to class, race and gender as determined by the power structure within society and organisations. A personal understanding of the concept of career that encourages individuals to proactively reconsider their own life stream in the discontinuous, changing world of the 1990s is the focus.
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 are 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

■ **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 **Contact Hours:** 3 per week

■ **CPP412 UNDERSTANDING EDUCATION IN CONTEMPORARY AUSTRALIA**
The teacher as a professional; classroom practice; school culture and organisation; national issues affecting schooling.
Course: ED37
Credit Points: 12 **Contact Hours:** 3 per week

■ **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: ED37, ED50, ED51, ED52, ED54
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

learning problems: identification, diagnosis, profiling and program development. Curriculum issues related to integration: communication; classroom management; use of resources; Individual Educational Programs (IEP); team teaching; networking; curriculum design and modification; the multifaceted role of a consultant/adviser in school.
Courses: 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 Competence Standards Category 2 . The students achieve the required performance criteria in a workplace situation.
Course: ED54
Credit Points: 12
Contact Hours: 10/20 day placement; pre- and post-tutorials

■ **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: ED54 **Prerequisite:** CUB333
Credit Points: 12
Contact Hours: 20 day placement; pre- and post-tutorial

■ **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: ED54 **Prerequisites:** CUB334
Credit Points: 12
Contact Hours: 20 day placement; pre- and post-tutorial

■ **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: ED54 **Prerequisites:** CUB335
Credit Points: 12 **Contact Hours:** 20 day placement; pre- and post-tutorial

■ **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: ED54
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: ED54 **Prerequisite:** CUB339
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 practictioners in formal and non-formal teaching and learning settings within workplaces and communities.
Course: ED54 **Corequisites:** CUB337
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: ED54 **Prerequisites:** CUB339
Credit Points: 12 **Contact Hours:** 3 per week

■ **CUB342 LAW IN THE ADULT AND WORKPLACE ENVIRONMENT**
Recent legal and legislative developments mean that employers and employees require greater awareness of their legal responsibilities in all workplace environments. This unit provides a level of legel literacy appropriate to sound legal risk management in workplace settings.
Course: ED54
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: ED54
Credit Points: 12 **Contact Hours:** 3 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; play as a means of learning; basic skills for teachers.
Courses: ED43, ED52 **Prerequisite:** CUB365
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.
Courses: ED43, ED52 **Prerequisite:** CUB350
Credit Points: 12 **Contact Hours:** 2.5 per week

■ **CUB352 EARLY CHILDHOOD PRACTICES 3**
Within the focus of teacher/child decision making, emphasis is placed on: observing social interactions and 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.

Courses: ED43, ED52 **Prerequisite:** CUB351
Credit Points: 12 **Contact Hours:** 2.5 per week

■ **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

n **CUB354 EARLY CHILDHOOD PRACTICES 5**
Within the focus of negotiation, 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:** CUB365
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
Prerequisites: 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. Preservice teachers assume full responsibility for implementing units of work. They draw upon their teaming 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 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: ED50
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 purposive and responsive learning environments. A reflective and research oriented evaluation of topics is encouraged, including managerial, environmental and educational conceptions of developing positive relations, 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/earing learning 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 ehildren 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/caring/learning 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 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 those 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 curriculum 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, rule 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.

Courses: ED26, ED64
Credit Points: 12 **Contact Hours:** 3 per week

■ **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 impinging 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

■ **CUB447 GETTING IT ALL TOGETHER: TEACHERS' PROFESSIONAL WORK IN THE DIFFERING CONTEXTS OF THE PRIMARY CLASSROOM**

This unit is designed to address the multidimensional, diverse and complex nature of teachers' professional work in the primary classroom with a view to developing in graduating teachers an holistic, comprehensive and critical approach to the curriculum dilemmas that permeate their work.
Course: ED51
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 cultivated 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-

tion activities for quality learning outcomes in a range of institutional, community and workplace contexts.
Courses: ED13, ED11 **Credit Points:** 12

■ **CUP405 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.
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**
The 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

■ **EAB103 AUSTRALIAN FAMILIES & EARLY EDUCATION**
Family and community analysis, historical view, economic, political, social and cultural factors; issues affecting families in Australia today: employment patterns, ideology of family, effect of technological change, inequalities and social justice; personal approaches and critical reflection.
Course: ED42 **Credit Points:** 8

■ **EAB144 INTEGRATING THE EXCEPTIONAL CHILD IN EARLY CHILDHOOD**
Foundations for least restrictive early education; philosophical and policy issues; integrating early intervention; nature of exceptionalities; methods for meeting special needs; team work with support personnel; evaluation of individualised programs and teaching strategies; management of behaviour; family dynamics and parental needs.
Courses: ED42, NS48 **Credit Points:** 8

■ **EAB300 EARLY CHILDHOOD ARTS 1**
Introductory principles, practices, philosophies and theories in the visual and performing arts as they relate to young children in various contexts: the arts as a way of knowing and expressing; creativity versus artistry; an overview of artistic development from birth to adolescence; the arts, culture, education and the young child. A main focus will be on the elements and concepts in the areas of the visual arts, music, drama, movement and dance with specific emphasis given to the visual arts: the development of the visual arts for children under five years of age and for school-aged children; assisting artistry with children under five years of age and with school-aged children.
Course: ED43, ED52
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.

Course: ED43, ED52
Credit Points: 12 **Contact Hours:** 3 per week

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 and planning of integrated language and 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 literacy 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 **Coutact 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; indepth 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 refer families to appropriate services, to build up 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 Aborigines 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, ethnic and cultural diversity and new technologies; indepth 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 SOCIO-CULTURAL 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; children, ethnicity and early childhood services.
Course: ED52
Credit Points: 12 **Contact Hours:** 3 per week

EAB321 EARLY CHILDHOOD TRANSACTIONS 2

Insights into Australian families and interpersonal processes extended from EAB320; diversity and commonality in family childrearing 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 individualised 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 conduct; 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 5-8 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-sequential 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 1**

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 practitioner; critical analysis of approaches to designing curriculum for the expanding rage 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 thre'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:** 2.5 per week

■ **EAB344 EARLY CHILDHOOD FOUNDATIONS 4**
Synthesis of individual students' knowledge from the previous foundation units; development of skills in preparation and conduct of debates and case study reporting; children with special needs; social, personal, and professional issues in the provision of early childhood education and services.
Course: ED52, ED53
Credit Points: 12 **Contact Hours:** 2.5 per week

■ **EAB345 EARLY CHILDHOOD CURRICULUM: LANGUAGE EDUCATION**
Pertinent theories and research in language and literacy education for children in EC settings; development of specific teaching and interactive practices for working with children's development of literacy, and for teaching reading and writing; planning appropriate learning environments using a wide range of literary and other resources; introduction to English syllabus.
Course: ED52
Credit Points: 12 **Contact Hours:** 4 per week

■ **EAB346 EARLY CHILDHOOD CURRICULUM: SCIENCE, SOCIETY AND THE ENVIRONMENT**
Teacher's knowledge and understanding of science and its influences and applications; broad, multidisciplinary approaches to scientific, social and environmental issues in order to create just and sustainable futures; development of scientific knowledge and related social perspectives in programs for young children; practical activities arising from observations of children's interest and needs.
Course: ED52
Credit Points: 12 **Contact Hours:** 4 per week

■ **EAB347 EARLY CHILDHOOD CURRICULUM: EARLY MATHEMATICAL EXPLORATIONS**
Theories and understanding of children's conceptual development; application of active inquiry processes to further concept development in mathematics; foundational concepts in mathematics and the development of appropriate learning and teaching opportunities; use of language in children's concept of number; role and use of technology in processes for learning and understanding.
Course: ED52
Credit Points: 12 **Contact Hours:** 4 per week

■ **EAB348 EARLY CHILDHOOD CURRICULUM: ARTS**
Introductory principles, practices, philosophies and theories in the visual and performing arts as they relate to young children in various EC contexts; the arts as a way of knowing and expressing; creativity versus artistry; overview of artistic development from birth to adolescence; the arts, culture, education and the young child; elements and concepts in the visual arts, music, drama, movement and dance with specific emphasis on the visual arts; the development of the visual arts for children in EC settings; assisting artistry with children under five years of age and with school-aged children.
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 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 an opportunity to reflect on, and seek to improve, personal ability to decide the curriculum for young learners.
Course: ED26
Credit Points: 12 **Contact Hours:** 3 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 **Credit Points:** 12

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
Credit Points: 12 **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
Credit Points: 12 **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.

Course: ED26
Credit Points: 12 **Contact Hours:** 3 per week

■ **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; teacher 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:** 12

■ **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 teamwork 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 interdiscipliuary 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

■ **EAP416 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; linkiug 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

■ **EAP500 EARLY CHILDHOOD LEADERSHIP & ADVOCACY**
The foundations of early childhood services in Australia; the principles of leadership, empowerment plus change are considered along with advocacy for the early childhood field.
Courses: ED23, ED61
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 3-8 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-

eas within various early childhood settings; analysis of teaching strategies.
Course: ED20 **Credit Points:** 12

■ **EAP530 THE CONTEXT OF EARLY CHILDHOOD EDUCATION**
Examination of the bases and scope of education in early childhood, the role of psychological theories, curriculum models, policies and programs; case studies of early childhood programs.
Course: ED20 **Credit Points:** 12

■ **EAP531 RESEARCH IN EARLY CHILDHOOD**
Examination of the research literature in development and learning; research techniques in early childhood; and their application; application of research techniques to research proposals; experimental research in one aspect of development and learning of children aged 3-8 years; contributions to early childhood research from other fields.
Course: ED20 **Prerequisite:** EAP528
Credit Points: 12

■ **EAP532 TRANSACTIONS IN EARLY CHILDHOOD EDUCATION**
Examination of the implications of social, cultural and geographical factors for early childhood education; consideration of the effects of technology and media, and ethical and legal obligations; analysis of procedures and techniques for case studies; formulating a personal philosophical statement.
Course: ED20 **Prerequisite:** EAP530
Credit Points: 12

■ **EAP551 DANCE EDUCATION IN EARLY CHILDHOOD**
The study of movement and dance in early childhood, the influence of home and culture, the awareness of space, time, energy and body performance in the movement and dance curriculum; the approaches underpinning philosophical and professional practice.
Courses: ED26
Credit Points: 12 **Contact Hours:** 3 per week

■ **EAP552 FROM PLAY TO DRAMA IN EARLY CHILDHOOD EDUCATION**
The developmental relationship that exists between children's play and drama in early childhood, children's language development through drama; theories/approaches and methods in drama contexts.
Courses: ED26
Credit Points: 12 **Contact Hours:** 3 per week

■ **EAP553 MUSIC IN EARLY CHILDHOOD EDUCATION**
Examination of the influence of home, formal learning contexts, society and culture on music education for young children; children's development and learning through music; musical elements, approaches/methods and learning contexts.
Courses: ED26
Credit Points: 12 **Contact Hours:** 3 per week

■ **EAP554 THE ARTISTIC PROCESS & THE VISUAL ARTS IN EARLY CHILDHOOD EDUCATION**
The value of the visual arts for culture, and for children; education versus educated, children's development and learning through the visual arts; visual arts media and curricula, philosophical and historical underpinnings.
Courses: ED26
Credit Points: 12 **Contact Hours:** 3 per week

■ **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: ED51
Credit Points: 12 **Contact Hours:** 3 per week

■ **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: ED51
Credit Points: 12 **Contact Hours:** 3 per week

■ **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: ED51
Credit Points: 12 **Contact Hours:** 3 per week

■ **EDB440 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

■ **EDB442 INTEGRATED PROFESSIONAL SEMINARS**
The unit is designed to operate in conjunction with the training provided to educational advisors by the Queensland Department of Education. Students compile a portfolio based on a survey of professional development literature and an inservice activity which they design and implement with classroom teachers. A report is compiled in which students describe their work and reflect on its effectiveness.
Course: ED26 **Credit Points:** 12

■ **EDN602 ADVANCED SEMINARS**
This unit provides for the special needs and interests of students. Small groups of students interact at an advanced level with specialists or visiting scholars in seminars, conferences and research projects.
Courses: ED13, ED11 **Credit Points:** 12

■ **EDN603 INDEPENDENT STUDY**
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

■ **EDN608 PROJECT/DISSERTATION (STAGES 1 AND 2)**
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 criti-

cal literature review, the development of appropriate educational resources, or a project of change in their workplace.
Courses: ED13, ED14 **Prerequisite:** EDN611
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 **Contact Hours:**

■ **EDN612 CONDUCTING EDUCATIONAL RESEARCH**
Building on the understandings developed in EDN611 , 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 proeedures.
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 thesis steps. Namely, Step (a) Thesis Preparation; Step (b) Thesis Confirmation of Candidature; and Step (c) Thesis Implementation.
Course: ED11 **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 Candidature; 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: CE42, EE43, EE44, EE45, IF42, IF44, IF53, IF56, ME23, 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 electric circuits, power calculation in single-phase and three-phase systems, laws of electrostatics, 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. 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 electromagnetic 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 realisability 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, EE45, 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, EE45, 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
Prerequisites: EEB400, MAB486, PHB234
Credit Points: 8 **Contact Hours:** 3 per week

■ **EEB532 POWER SYSTEMS 1**
Transmission line parameters, power system modelling and the pu method. Symmetrical faults in power systems. Circuit breakers selection. Generalised circuit constants. Power flow in lumped systems and the power circle diagram. Protection in electrical systems: fuse operation and selection, motor protection, MCCB, IDMT relay, discrimination.
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, IF23
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, EE45, 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, FAQA 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 team 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 **Prerequisites:** EEB390
Credit Points: 8 **Contaet Hours:** 3 per week

■ **EEB624 CONTROL SYSTEMS 2**
Analysis and design of systems using state-space method. An introduction to optimal control. Z-transform application to digital control system analysis and design using classical and modern approaches. System identification/modelling. Nonlinear system analysis and design.
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 areused in all areas to reinforce understauding of each topic.
Course: EE44, 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, EE45, 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;

pulse shaping, 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 estimatiou.
Courses: EE43, EE44, IF23, EE45, IF44, IF25
Prerequisite: 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 avionics 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 specifiable 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

■ **EEB730 RADAR & RADIO NAVIGATION**
Radar equation; theory of reception; matched filtering; principles of detection; types of radars; primary and secondary radar; 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 invertors 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 optical fibre communication systems.
Conrse: EE44, EE43, EE45, IF44, IF25
Prerequisites: EEB564, EEB667
Credit Points: 8 **Contact Hours:** 3 per week

■ **EEB763 MODERN SIGNAL PROCESSING**
Introduction to signal procesing 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
Prerequisities: 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: EEB665
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**
Analysis and design of optimum control technique. Variational calculus approach and Hamilton-Jacobi approach to control system design. Stochastic processes and linear and non-linear optimum state estimation. Discrete optimal control. Discrete-data control systems. Microprocessor and DSP control.
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: EEB593 or ITB424
Credit Points: 8 **Contact Hours:** 3 per week

■ **EEB910 PHOTOVOLTAIC ENGINEERING**
The various aspects of photovoltaic systems including flat panel and concentrating solar cell arrays, 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
Prerequisite: EEB587
Credit Points: 8 **Contact Hours:** 3 per week

■ **EEB923 INDUSTRIAL CONTROL SYSTEMS**
The structure of modern manufacturing industries. Hierarchical control, including strategic c ontrol, tactical control, reactive control and reflexive control. Just-in-time manufacturing, computer-integrated-manufacturing and manufacturing resource panning. The role of computer control in manufacturing. Programmable logic controllers. Distributed control systems; digital communication networks for use in factories. Search and optimisation techniques for use in plant. The use of optimal control; fuzzy control. Computer-numerical-controlled machine tools. Robotics applications in manufacturing.
Courses: EE45, IF23, IF25, IF44
Prerequisites: EEB420, EEB624
Credit Points: 8 **Contact Hours:** 3 per week

■ **EEB932 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 and 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 **Prerequisites:** EEB722
Credit Points: 8 **Contact Hours:** 3 per week

■ **EEB933 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; maguetic anomaly detection; tactical navigation systems; infra-red.
Course: EE43 **Prerequisite:** EEB930
Credit Points: 8 **Contact Hours:** 3 per week

■ **EEB934 ADVANCED COMMUNICATIONS & NAVIGATION SYSTEMS**
Expansion of previous theory; develop an increased understanding of systems previously described; complex algebra required for error-correcting codes and auto-correlation 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
Prerequisites: EEB362, EEB665, EEB765, EEB668
Credit Points: 8 **Contact Hours:** 3 per week

■ **EEB935 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 intermodulaton distortion; carrier regeneration or synchronisation and acquisition and tracking requirements; analogue and digital proecessing 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 television system.
Course: EE43 **Prerequisites:** MEB692.
Credit Points: 8 **Contact Hours:** 3 per week

■ **EEB957 HIGH VOLTAGE EQUIPMENT**
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
Corequisite: EEB632
Credit Points: 8 **Contact Hours:** 3 per week

■ **EEB958 ELECTRICAL ENERGY UTILISATION**
Power reticulation in building, energy management, fire protection systems, illumination technology, air conditioning plant, building supervising and control systems, lifts.
Course: EE44, IF23, EE45, IF44, IF25
Prerequisite: EEB400
Credit Points: 8 **Contact Hours:** 3 per week

■ **EEB959 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.
Courses: EE44, IF23, EE45, IF44, IF25
Prerequisite: EEB752
Credit Points: 8 **Contact Hours:** 3 per week

■ **EEB963 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.
Courses: EE43, EE44, IF23, EE45, IF44, IF25
Prerequisite: EEB564, EEB668
Credit Points: 8 **Contact Hours:** 3 per week

■ **EEB965 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
Prerequisite: EEB665
Credit Points: 8 **Contact Hours:** 3 per week

■ **EEB974 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, EE45, IF23, IF44, EE43, IF25
Prerequisite: 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 Poiuts: 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 Poiuts: 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 systems, pattern recognition and image synthesis.

Courses: EE65, EE76

Credit Poiuts: 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-

Pearson detectors; uniformly most powerful tests for Gaussian case. Examples of detection of: an unknown deterministic signal in Gaussian noise of known probability distribution; Matched-Filter interpretation; a Gaussian signal of known distribution in Gaussian noise of known distribution. Detection in the non-Gaussian case. Parameter estimation: the Maximum Likelihood Estimator.
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 A**
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-varying 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**
HV testing: DC, 50 Hz, and impulse – equipment, measurement systems, standard test methods, certification and traceability, evaluation of test reports; HV test methods for insulators, bushings, circuit breakers, isolators and surge arrestors. Temperature rise testing of electrical equipment: lines cables, and switchgear. Current withstand testing; current interruption tests for fuses and circuit breakers. Evaluation of test reports – accuracy and traceability. Insulation testing: oil testing, DLA and PD tests. Condition monitoring systems: plant temperature, circuit breaker dynamics, insulation condition; in-situ methods.
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

corrosion, clearances, land legislation, environmental impact statements. Current safety and environmental issues. Requirements of other public utilities – Telecom, Railways, roadworks, marine, water, gas, oil. Cost of environmental enhancements and alternative technologies. Right of way. Route selection principles: structure types, terrain shielding, identification of natural and man-made features.
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:** EEP205
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: AS1359 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:** EEP205
Credit Points: 4 **Contact Hours:** 3 per week

EEP211 BASIC POWER SYSTEM PROTECTION

Fundamental principles of power system protection. Relationships between various substation layouts and the protection system. Principles of CTs and VTs (including CVTs) and their specification. Principles of the various types of modern relays. Types of fuses available and their selection. Setting of basic systems of fuses, overcurrent relays and earth fault relays. Fundamental principles of distance relays and basic settings. Basic issues in workshop testing and field testing of relays and protection systems. Principles of reclosers and secionalizers. Transformer protection schemes and settings of biased differential relays. Bus zone protection schemes and setting of high impedance differential relays. Pilot wire protection.
Courses: EE82, EE60, EE78
Prerequisites: EEP205
Credit Points: 4 **Contact Hours:** 3 per week

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 selected 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 **Prerequisite:** EEP211
Credit Points: 3 **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, criticality 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:** EEP215
Credit Points: 4 **Contact Hours:** 3 per week

EEP215 RELIABILITY

Basic reliability concepts. Reliability analysis methods. Reliability methods. Application of important distributions. Failure rate, repair time and mean time failure. Reliability of series, parallel and complex systems. Discrete Markov Chains. Continuous Markov processes. Frequency and duration in reliability. Applicaiton of Markov Chain in the reliability evaluation of repairable systems. Application of reliability evaluation in power distribution systems, inclusion of cost estimation. Reliability assessment in subtransmission system planning, including non-con stant transition rate considerations. Study of single and double contingencies with switching to restore supply. Inclusion of maintenance in system modelling. Probability and frequency of loss of load. Unsupplied energy and average load at risk. Maximum load at risk. Average outage duration. Hours of Loss of load.
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 voltage, pollution and creepage, 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

Conductor selection. Catenary theory. Sag-tension-temperature calculations. Requirements for survey data. Statutory and enterprise requirements for line layout: clearances, mechanical loading, safety criteria. Definition of loading conditions, structure capacities, layout clearances. Applied mechanics of strung conductors. Determination of everyday tensions from allowable stress or tension/mass ratio. Determination of vibration protection. Transmission line estimating techniques. Selection of structure type based on optimum capitalised costs. Line layout.

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 fundamentals, 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 PLANT

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 KPI, 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

EEP223 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 manipulation; 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 **Contact Hours:** 3 per week

EEP224 POWER SYSTEM OPERATION

Frequency control and AGC 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; analysis of 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 **Contact Hours:** 3 per week

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 engineering 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 **Contact Hours:** 3 per week

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 **Contact Hours:** 3 per week

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 breakeven, contribution margin and EBIT.

Courses: EE82, EE60, EE78
Credit Points: 4 **Contact Hours:** 3 per week

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 **Contact Hours:** 3 per week

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 **Contact Hours:** 3 per week

EEP244 CIRCUIT BREAKERS – SWITCHGEAR

Basic switching theory for the main circuit breaker types: SF6, Vacuum, GIS, minimum oil, airbreak (11kV), bulk oil; characteristics and applications for these types at various voltage levels; circuit-breaking principles: interruption of load current, small 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 failures; 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 **Contact Hours:** 3 per week

EEP245 INTRODUCTION TO SUBSTATION DESIGN

Preparation of design/site options: standard layouts (outdoor, indoor, GIS, package, single bus, 1 1/2 CB, etc.) – cost, site, reliability lead time and communication factors; estimating procedures; comparison of design/site options; whole of life cost comparisou including capital and operatic 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: EE82, EE60, EE78
Prerequisites: EEP202, EEP219, EEP244
Credit Points: 4 **Contact Hours:** 3 per week

EEP247 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: EE82, EE60, EE78
Credit Points: 4 **Contact Honrs:** 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: EE76
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: CE74, EE76
Credit Points: 12 **Contact Hours:** 3 per week

EEP302 RESEARCH COMPONENT 1

Research component of EEP101, EEP102, EEP104, EEP124, EEP127, EEP137.
Courses: CE74, 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: CE74, EE76
Credit Points: 12 **Contact Hours:** 3 per week

EFB001 BUILDING FINANCIAL MANAGEMENT 1

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: CN31, CN33
Credit Points: 12 **Contact Hours:** 2 per week
Incompatible with: FNB101

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: EE43, 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: EE44
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.

EFB100 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: EPB106

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: EPB109, EPB110

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
Prerequisites: BSB113 or EPB116
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPB172, EPB140 and EPB150 if both have been passed. Note students may enrol for this unit if they have studied but failed either EPB140 or EPB150.

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: EPB172, BSB113, 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, IF54, IS43, IT20, NS48, PU48
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: BSB113, 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: BSB113 or EPB140, and FNN102 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
Prerequisite: 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.
Course: 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 EPN102
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 BSB110
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 nnit 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 EPB140 and EPB150 or EPB172 or EPN102
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPB127

EFB208 ECONOMIC ANALYSIS & POLICY

Theoretical constructs of welfare economics and cost-benefit analysis; economic rationales for government policy in major areas including: the environment; resource depletion; public investment; taxation; federal fiscal relations; education finance; income distribution; industry.
Course: ED50
Prerequisites: EPB140 and EPB150 or EPB172 or EFB102 or EPN102
Credit Points: 12 **Contact Honrs:** 3 per week
Incompatible with: EPB151 and EPB152 and EFB211 and EPB171

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: EFB102 or EPB150 or EPB140 or EPB116
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPB165

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 Avcrage Cost of Capital (WACC).
Courses: BS50, BS56, IF37, IF40
Prerequisites: AYB110 or AYB100 or BSB110 and EPB150 or EPB116 or BSB113
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:** EFB102
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPB152

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: EFB102 or EPB140 and EPB150 or EPB172 or EPN102
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPB132

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 nnder 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
Prerequisite: EFB101 or EPB109 or EPB110
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPB104

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 equality constraints; Kuhn Tucker's method with inequality constraints; second order conditions for optimisation with Hessian determinants economic dynamic and integral calculus: differential equations and difference equations with applications to growth and trade cycles.
Courses: BS50, BS56
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPB144

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: EPB140 and EPB150 or EPB172 or EFB102 or EPN102
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPB153

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: EPB168

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 sovereigu 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 moderu theoretical and policy macroeconomic debates in depth. Issues covered will draw from: the Neoclassical/Keynesian synthesis, Monetarism, New Nlassical 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
Prerequisites: 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, aud 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 EPB151
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 Poiuts: 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 finauce 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, FNB115

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 securities; financing international trade; problem loans and credit scoring.
Courses: BS50, BS56, IF40
Prerequisites: FNB107 or FNB111 or FNN102 or EPB201
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: FNB114

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
Prereqnisites: FNB111 or FNB107 or EFB210 or EFB206
Credit Points: 12 **Contact Hours:** 4 per week
Incompatible with: FNB120, EPB130, 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 comparative macroeconomic performance in different countries over time, the distinction 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 Anstralian economy, 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 EPB142 and EPB152
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPB130 and EPB132 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 witb: 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 Philips Curve in Australia.
Courses: BS50, BS56
Prerequisites: EPB142 and EPB152 or EFB211 and EFB202
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPB134

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 **Prerequisite:** EFB211
Credit Points: 12 **Contact Hours:** 3 per week

EFB318 PORTFOLIO & SECURITY ANALYSIS

Management of investment portfolios; diversification; performance management; risk management; advanced theories on option pricing, efficient markets, futures trading (hedging) and asset pricing.
Courses: BS50, BS56, IF40
Prerequisite: 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
Prerequisite: EPB152, or EFB211
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible witb: EPB160

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
Prerequisite: FNB111 or EFB210 or FNB107 or EFB206
Credit Points: 12 **Contact Hours:** 3 per week

EFN400 ADVANCED CAPITAL BUDGETING

Application of the theoretical constructs developed in undergraduate finance units to complex problems in investment appraisal.
Courses: BS75, BS87
Prerequisite: 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 framework for the analysis of the function and operation of the modern financial institution. Topics in-

clude 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 on 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: EPP101

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 addressed cover both the macro and micro dimensions of ecouomic 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 EFB209

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.
Course: BS81
Prerequisites: 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
Prerequisites: EPB110, EFB101 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
Prerequisites: 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: GS80
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
Prerequisite: An undergraduate degree or major in Economics or Finance
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPN108

EFN503 ECONOMIC AND FINANCIAL MODELLING

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: Undergradnate 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 basic allowing 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 superannnation 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: ED50, 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 biostratigrapy. Practical work includes stratigraphic interpretations, study of fossils and map interpretation. Field excursions to local areas of interest.
Courses: ED50, 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 mineragraphy with theory of reflected light; optical properties of ore minerals and identification of minerals in thin section, polished section and grain mounts.
Courses: ED50, SC30 **Prerequisite:** ESB122
Credit Points: 12 **Contact Hours:** 5 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: ED50, 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, homogeneous and non-homogeneous strain, normal and shear stress, Mohr diagram. Deformation mechanisms: elastic and thermal expansion, plastic deformation within crystals, flow by pressure solution, compaction, stress-strain relations. Fracture and brittle behaviour: the Mohr envelope, role of cracks and fluid in the fracture of rocks, fracture experiments, effects of pre-existing fractures, fracture of anisotropic rocks, brittle-plastic transition. Classes of structures: joints origin, surface morphology and relation to other structures; faults normal, strike-slip, thrust and detachment faults; folds description and classification, kink bands, chevron folds, boudinage, mechanisms and mechanics. 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 excursions 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 sedimentary 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 section 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.
Course: SC30
Prerequisites: ESB472
Credit Points: 12 **Contaet 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 problem 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

■ ESB652 EXPLORATION GEOSCIENCE

Design of mineral exploration programs: target generation, reconnaissance, detailed investigation, evaluation, time and budget schedules, risk factors. Introduction to the theoretical base of exploration geochemistry; main types of geochemical surveys in regional, local and mine scale exploration; the role of statistics in design and interpretation of exploration geochemical programs; analytical methods in geochemical prospecting; the role of biogeochemistry. Remote sensing in exploration; airborne geophysical surveys, design, acquisition, processing and interpretation leading to the design and operation of follow-up ground surveys; assessment of drilling results by geophysical logging and tomography; use of software applications; geophysical case histories.
Course: SC30
Prerequisites: ESB332, ESB452, ESB582
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 **Prerequisite:** 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, carbonate 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, biostratigraphical, 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, ED50
Prerequisites: ESB342, ESB432, ESB462
Credit Points: 12 **Contact Hours:** 5 per week

■ ESB700 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

■ ESB701 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 available 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) Geochemical Systems: magmatic processes [4cp]; (e) Geochemical Systems: isotopes, fluids and phase equilibria [4 cp]; (f) Global Plate Tectonics [8 cp]; (g) Groundwater Geology and Geochemistry [4 cp];

(h) Mineral Exploration Geophysics [4 cp]; (i) Seismic Exploration Geophysics [4 cp].
Course: SC60
Prerequisites: As approved by Honours (Geology) Co-ordinator
Credit Points: 20 **Contact Hours:** 10 per week

ESB705 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 1
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 base for each program; case studies for each application and an assessment of the results of the applications.
Course: SC80 **Credit Points:** 12

ESN140 RESEARCH METHODOLOGY 1
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, 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: 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 emphasise 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
Prerequisite: 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 contingency approaches 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/regional, 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 48cps 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

The 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 undergird the operation of the global economy and change the operation of local business organisations, including the management of information and information flows. The 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 aspects of the balance sheet, asset and liability 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 economies. 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, structures 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 concept, 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**
The 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 completed 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: HL88 **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: HL88, HL50, HL52, HL58, 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: HL50, HL52, HL58 **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: HL50, HL52, HL58
Prerequisites: MAN009 or HLN405
Credit Points: 12

HLP103 DISSERTATION
This unit is broken into a number of components which are completed over successive semesters (as appropriate for full-time or part-time course structure). A written report in the form of a dissertation proposal must be submitted by the end of week 6 in the semester in which enrolment in the dissertation commences.
Courses: HL50, HL52, HL58
Corequisites: All other units in Honours program
Credit Points: 48

HMB171 FITNESS, HEALTH & WELLNESS
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:** 3 per week

HMB172 PHYSICAL ACTIVITY, NUTRITION AND WEIGHT CONTROL
An introduction to the essential physical growth concepts and an overview of nutritional principles as they apply to physical activity and weight control.
Courses: ED50, HM42
Credit Points: 12 **Contact Hours:** 4 per week

HMB271 MOTOR CONTROL & LEARNING
Overview of relevant theories and research in motor control and learning for acquisition of skilled motor behaviour; a knowledge of information processing and sensory systems; memory processes; factors contributing to motor learning; laws of simple movements; motor programs and motor control processes.
Courses: ED50, HM42 **Prerequisite:** LSB231
Credit Points: 12 **Contact Hours:** 4 per week

HMB272 BIOMECHANICS
The application of mechanics as they apply to human movement and sports performance including: kinematics and dynamics of human body models; quantitative analysis; impact; work and power.
Courses: ED50, HM42
Credit Points: 12 **Contact Hours:** 4 per week

HMB273 EXERCISE PHYSIOLOGY
Energy systems; aerobic and anaerobic systems; bioenergetics; fuels for energy. Fitness components: aerobic capacity, strength, power, muscular endurance, flexibility. Training and conditioning: effects on the system of the body; methods and techniques; training for different populations (children, females, aged); training for specific sports and activities. Evaluation of fitness: tests for all fitness parameters; essential practical and laboratory procedures.
Courses: ED50, HM42
Prerequisites: LSB231 or equivalent
Credit Points: 12 **Contact Hours:** 4 per week

HMB274 FUNCTIONAL ANATOMY
Surface anatomy of the trunk and upper and lower limb; morphological and mechanical properties of bone, muscle-tendon units with implications for physical activity; joint structure and function; analyses of movement tasks including walking and running; cinematography and electromyography in functional anatomy of movement tasks.
Courses: ED50, HM42, ME46 **Prerequisite:** LSB131
Credit Points: 12 **Contact Hours:** 4 per week

HMB275 EXERCISE & SPORT PSYCHOLOGY
Introduction to the psychological factors which influence performance, participation and adherence to both sport and exercise programs; personality and the athlete; attention and arousal; relaxation theory and practice; aggression and psycho-social development, leadership and team cohesion.
Courses: ED50, HM42
Prerequisite: SSB912 or equivalent
Credit Points: 12 **Contact Hours:** 3 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 **Prerequisite:** HMB304
Credit Points: 12 **Contact Hours:** 3 per week

HMB310 PHYSICAL EDUCATION CURRICULUM STUDIES 1
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 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. Students explore instructional strategies, motivational, conditioning and training activities, the development of activity programs for various ability levels, and event rules application.
Course: 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 biomechanical 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 envirouments.
Course: ED50 **Prerequisite:** 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 **Prerequisite:** PUB327
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 teaching 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

HMB361 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, kinesiology 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, ME46
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 survey of literature, development of an action plan, reflection on a practice or 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 issnes 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
Prerequisites: 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 practise 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 **Prerequisite:** HMB273
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
Prerequisites: 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 counsellor'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 **Prerequisite:** HMB372
Credit Points: 12 **Contact Hours:** 4 per week

■ **HMB390 HEALTH EDUCATION CURRICULUM STUDIES 1**

The nature of health education as au 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

■ **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: BS50, 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: BS50, 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 import 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) and their 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 1**
A pre-placement work skills program followed by a structured and supervised initial vocational experience linked to the student's selected specialised 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

■ **HMB614 BIOPHYSICAL BASES OF MOVEMENT REHABILITATION**
The rehabilitation process; introduction to rehabilitation protocols; mechanisms of injury and repair and functional restoration; principles of exercise prescription and rehabilitation; modalities of treatment; modalities of exercise prescription in rehabilitation.
Course: ME46
Credit Points: 8 **Contact Hours:** 3 per week

■ **HMB615 EXERCISE PHYSIOLOGY**
Bioenergetics; exercise metabolism; hormonal response to exercise; muscle structure and function; circulatory adaptations, respiration and acid-base balance during exercise; temperature regulation, training and conditioning; body composition and nutrition; fitness testing and assessment procedures.
Course: ME46
Credit Points: 8 **Contact Hours:** 3 per week

■ **HMB616 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.
Course: ME46
Credit Points: 8 **Contact Hours:** 3 per week

■ **HMB617 WORKPLACE HEALTH**
History of workplace health; legal aspects; role of associated professionals; trends in mortality and morbidity; workplace health promotion agencies and programs; planning, development, promotion, implementation and evaluation process.
Course: ME46
Credit Points: 8 **Contact Hours:** 3 per week

■ **HMB801 SPORT & MASS MEDIA**
The commercialisation and development of sport and the mass media are inextricably linked and the nature and implications of this relationship are the foundation for the investigation of this unit. Examination of the past, present and future aspects of this relationship through examination of current issues.
Course: BS50
Credit Points: 12 **Contact Hours:** 3 per week

■ **HMB802 STRUCTURE & POLICY OF AUSTRALIAN SPORT**
An understanding of the structure and policies of Australian sport is fundamental for administrators who are required to operate through the levels of government for the conduct, promotion and funding of their chosen sport. The relevant documentation and strategies for operating within the system.
Course: BS50
Credit Points: 12 **Contact Hours:** 3 per week

■ **HMN601 EXERCISE & HEALTH ACROSS THE LIFESPAN**
Physical activity is almost universally accepted as being relevant to health, although the pattern of activity (nature, intensity, frequency and duration of individual exercise bouts, cumulative years of participation) required to induce maximum health benefits remains uncertain. Exercise throughout the lifespan and the implications for good health.
Course: HL88
Credit Points: 12 **Contact Hours:** 3 per week

■ **HMN602 READINGS IN HUMAN MOVEMENT STUDIES**
Enables students to explore the breadth of their chosen sub-discipline in contrast to the more specific focus of their thesis topic to follow. Provides the opportunity for students to develop a compendium of readings in an area(s) not catered for in other units comprising their specialisation. Students select advanced readings in their chosen field and submit a comprehensive annotated bibliography that critically reviews the available literature. This work is conducted under the supervision of a lecturer allied to the chosen area of study.
Course: HL88
Credit Points: 12 **Contact Hours:** 3 per week

■ **HMN603 SCIENTIFIC BASES OF HUMAN PERFORMANCE**
Provides the opportunity to develop theoretical and practical knowledge of selected topics representative of the scientific bases of human performance. Topics include: material from the recognised sub-disciplines of human movement science, functional anatomy, biomechanics, and exercise physiology. Investigates changes in the human energy systems, musculo-skeletal system and cardiovascular system that occur when the body is placed in a physically stressful situation (exercise being the predominant stressor considered). Specific applications to the physical activity setting.
Course: HL88
Credit Points: 12 **Contact Hours:** 3 per week

■ **HMN604 SOCIAL ISSUES IN SPORT**
An advanced in-depth analysis of the diverse social issues which have permeated sport in Australia. The requirement for a critical cultural analysis has been necessitated by issues such as discrimination, violence, drugs, elitism, ethnocentricism, internationalism, politicisation, commercialisation and quantification. The focus is on the analysis of the nature, role and significance of sport in modern society. Designed for professionals and practitioners in the field of sport and physical activity who are in the corporate setting, educational domain and government and community departments.
Course: HL88
Credit Points: 12 **Contact Hours:** 3 per week

■ **HMP015 SCHOOL HEALTH PROGRAM PLANNING**
Planning, implementation and evaluation of school health programs. Analysis of a range of planning models in health education and health promotion.
Courses: ED31, PU69 **Prerequisite:** HMP014
Credit Points: 12 **Contact Hours:** 3 per week

■ **HMP401 PHYSICAL EDUCATION CURRICULUM STUDIES 1**
Nature of physical education as an applied curriculum area; interpreting and managing the physical education practical and theoretical learning environment with particular attention to learner safety, maximum participation and teaching for cognition in practical activities; Mosston's spectrum of teaching styles.
Course: ED32, ED37 **Prerequisite:** HMP420
Credit Points: 12 **Contact Hours:** 3 per week

■ **HMP402 PHYSICAL EDUCATION CURRICULUM STUDIES 2**
Clarification of the motives and roles of physical education as a medium for education; exploration of the current physical education documents and the value orientations implicit within; language in physical education; the affective domain in physical education; teaching in unusual environments; evaluation and selection of learning experiences.
Course: ED32, ED37 **Prerequisite:** HMP421
Credit Points: 12 **Contact Hours:** 3 per week

■ **HMP403 HEALTH EDUCATION CURRICULUM STUDIES 1**
Nature of health education as an applied curriculum area;

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

■ **HMP404 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, overpopulation, 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.
Courses: 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 protect or enhance their well-being. Hence, decision-making in nursing practice is bounded 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.
Courses: 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 Aborigine; 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; expand and fine-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-centred 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 period 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 Asia 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 in the postwar construction period to the present. Particular emphasis on major preoccupations 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 Easst 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 Asia Pacific 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 structues 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 macroskills 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 macroskills, 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

HUB660 INTRODUCTORY JAPANESE 1
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 integrated into the course.
Courses: BS50, ED50, ED51, HU20, IF36
Credit Points: 12 **Contact Hours:** 4 per week

HUB661 INTRODUCTORY JAPANESE 2
Develops the four skills of listening, speaking, reading and writing using a communicative approach; Katakana and an additional 130 Kanji are introduced; cultural issues ae integrated with relevant language situations.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisite: HUB660
Credit Points: 12 **Contact Hours:** 4 per week

HUB662 JAPANESE LANGUAGE & CULTURE 1
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 studied in language situations.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisites: HUB661, Year 12 Japanese or equivalent
Credit Points: 12 **Contact Hours:** 4 per week

HUB663 JAPANESE LANGUAGE & CULTURE 2
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.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisite: HUB662
Credit Points: 12 **Contact Hours:** 4 per week

HUB664 JAPANESE LANGUAGE & CULTURE 3
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.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisite: HUB663
Credit Points: 12 **Contact Hours:** 4 per week

HUB665 JAPANESE LANGUAGE & CULTURE 4
In this intermediate level unit, students' language skills are further enhanced through authentic resources adapted for classroom use; 150 additional Kanji are introduced; cultural aspects are integrated with language materials.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisite: HUB664
Credit Points: 12 **Contact Hours:** 4 per week

HUB666 JAPANESE LANGUAGE & CULTURE 5
Extends language skills through exposure to the natural language of newspapers and television; students should know 1000 Kanji by the end of this unit.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisite: HUB665
Credit Points: 12 **Contact Hours:** 4 per week

HUB667 JAPANESE LANGUAGE & CULTURE 6
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.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisite: HUB666
Credit Points: 12 **Contact Hours:** 4 per week

HUB670 INTRODUCTORY FRENCH 1
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.
Courses: BS50, ED50, ED51, HU20, IF36
Credit Points: 12 **Contact Hours:** 4 per week

HUB671 INTRODUCTORY FRENCH 2
Develops a range of language skills; stresses oral/aural skills; extends reading comprehension and begins the development of writing skills.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisite: HUB670
Credit Points: 12 **Contact Hours:** 4 per week

HUB672 FRENCH LANGUAGE & CULTURE 1
Designed to meet the needs of students who have completed Year 12 French (or equivalent); focuses on speaking, listening and reading skills.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisites: Year 12 French or equivalent
Credit Points: 12 **Contact Hours:** 4 per week

HUB673 FRENCH LANGUAGE & CULTURE 2
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.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisite: HUB672
Credit Points: 12 **Contact Hours:** 4 per week

HUB674 FRENCH LANGUAGE & CULTURE 3
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.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisite: HUB673
Credit Points: 12 **Contact Hours:** 4 per week

HUB675 FRENCH LANGUAGE & CULTURE 4
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.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisite: HUB674
Credit Points: 12 **Contact Hours:** 4 per week

HUB676 FRENCH LANGUAGE & CULTURE 5
Individual study program on a topic selected in consultation with staff. Aims to develop advanced reading and writing skills.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisite: HUB675
Credit Points: 12 **Contact Hours:** 2 per week

HUB677 FRENCH LANGUAGE & CULTURE 6
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.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisite: HUB675
Credit Points: 12 **Contact Hours:** 2 per week

HUB678 FRENCH FOR BUSINESS AND THE PROFESSIONS
Equips students to use French in business or professional contexts. The focus is on: the professional experience of guest speakers; background information needed for

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

■ **HUB711 AUSTRALIAN WOMEN'S WRITING**
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 **Coutact 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 Shakespearian 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 discussion of the problems of writing after Auschwitz and under the censorship.
Courses: BS50, ED50, ED51, HU20, IF36
Prerequisite: HUB740
Credit Points: 12 **Contact Hours:** 4 per week

■ **HUB743 NATIONS AND NATIONALISM**
This course selectively examines political, social, economic and intellectual developments in modern Europe, from the French Revolution to the era before the Great War of 1914-18
Courses: HU20, IF36, ED50
Credit Points: 12 **Contact Hours:** 3 per week

■ **HUB750 UNDERSTANDING ETHICS**
Introduces students to the theory and practice of moral 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 eitizen and the state within a liberal democracy; the ethical responsibilities of institutional and professional agencies and the roles and ethical responsibilitics 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 nonhuman 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.
Courses: HU20, HU21, NS40, NS48
Credit Points: 12 **Contact Hours:** 3 per week

HUB760 APPROACHES TO FEMINIST STUDIES
Introduces a broad spectrnm of issues related to feminist stndies and to the major theoretical debates about gender in fields 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 reference 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 introdnction to research activity and scholarly discourse as practised 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; pnblic 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 1
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 HONORS 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 discnssion and presentations relating to research and writing of the Honours dissertation.
Course: HU21 **Prerequisite:** HU20 or equivalent and HUB900
Credit Points: 12 **Contact Hours:** 3 per week

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 teritiary 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 1
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 1 or 2.
Credit Points: 24

HUB953 INTERNSHIP PROGRAM II
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, ED50, 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: BS83
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

IFB880 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 through 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

IFN101 FULL-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

IFN200 PART-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

ITB210 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 **Contact Hours:** 3 per week
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 **Contact Hours:** 3 per week

■ **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 **Contact Hours:** 3 per week

■ **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, IF38, IT20
Prerequisites: BSB118, ITB210
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: ITB321 and ITN211

■ **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 **Prerequisite:** ITB220
Credit Points: 12 **Contact Hours:** 3 per week

■ **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 already have 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 **Prerequisite:** ITB222
Credit Points: 12 **Contact Hours:** 3 per week

■ **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 **Contact Hours:** 3 per week

■ **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 **Contact Hours:** 3 per week

■ **ITB233 FILE STRUCTURES**
Examination of file structures and their processing; the various forms of persistent storage (conventioual 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 Poiuts: 12 **Contact Hours:** 3 per week

■ **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 mulimedia 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 **Contact Hours:** 3 per week

■ **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 **Contact Hours:** 3 per week
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.

Courses: IF33, IF38, IT20
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
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: ITB449

ITB244 SPECIAL TOPIC 1

This unit is linked with unit ITB245.

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
Prerequisites: 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 **Prerequisites:** 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
Prerequisites: 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

ITB321 SYSTEMS ANALYSIS

Information management draws on systems analysis as a central resource. Many of the techniques applied in systems analysis translate to information management. This unit provides an introduction to all phases of the classical systems development life cycle: this gives students a balanced overview of the process of analysing information systems, while ensuring that students develop the necessary skills to apply the major techniques to information management problems.
Courses: IF54, IT20
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: ITB222 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 **Prerequisite:** 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 dependant
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 SUPPORT 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 **Prerequisites:** ITB320
Credit Points: 12 **Contact Hours:** 3 per week

■ **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
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: ITN411

■ **ITB420 COMPUTER ARCHITECTURE**
Extends the introductory treatment of computer hardware and system software given in the prerequisite unit. A study of the following concepts: virtual machine architecture, device handling and memory management.
Courses: IF25, IT20 **Prerequisite:** ITB412
Credit Points: 12 **Contact Hours:** 3 per week

■ **ITB421 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.
Courses: IF25, IT20 **Prerequisite:** ITB411
Credit Points: 12 **Contact Hours:** 3 per week

■ **ITB422 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
Prerequisites: ITB411 and ITB102
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: ITN410 and ITB246

■ **ITB423 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; realtime 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 logical 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:** ITB411
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 recognisors 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 Phigs; 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 **Prerequisites:** 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 underlyiug 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 eugineering 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 construeting object-oriented systems by combiniug 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. Check with the Unit Coordinator for details.
Course: IT20 **Prerequisite:** ITB422
Corequisite: ITB424
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: ITB236 and ITN221

■ ITB449 EXPERT SYSTEMS

Formal mathematical logic is the main theme of this unit. Some fundamental theories iu 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 coutinuation 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 aud supercomputers; machines for protected multitasking; conceptual models for parallel computation.
Courses: IF25, IF33, IT20 **Prerequisite:** ITB420
Credit Poiuts: 12 **Contact Hours:** 3 per week

■ ITB451 PROJECT

Enables students to uudertake 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
Prerequisites: 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 implemeutation 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. Couventional User Iuterfaces (CUIs) 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 hazy evaluation. Application areas include: AI, symbolic processing, rapid protyping 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-

ing professional; demonstrates that neurocomputing is an inherently parallel computing method. Discusses the 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 vision, planning 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 communications 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: MAB177 and either ITB521 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:** ITB521
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, BISDN, ATM.
Course: IT20 **Prerequisites:** 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 communications 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
Prerequisites: 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
Prerequisites: 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 cryptology.
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
Prerequisites: 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 cryptology.
Courses: EE44, IF23 **Prerequisite:** MAB493
Credit Points: 7 **Contact Hours:** 4 per week

■ **ITB561 ERROR CONTROL & DATA COMPRESSION**
This unit covers data compression technique; 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: IT30, IT40
Credit Points: 12 **Contact Hours:** 3 per week

■ **ITN110 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: IT30 **Corequisite/prerequisite:** ITN100
Credit Points: 12

■ **ITN120 DISSERTATION**
Designed to enable students to undertake significant research work in a particular area of information technology.
Course: IT30 **Prerequisites:** 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: IT30 **Prereqnisites:** 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: IT40 **Prerequisite:** ITN100
Credit Points: 48

ITN150 PROJECT (PART-TIME)
Refer to ITN140.
Course: IT40 **Credit Points:** 48

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: IT35 / IT40, IT25
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: ITB210

ITN211 SYSTEMS ANALYSIS AND DESIGN
For the creation of a useful and unable 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 analysis and design. Covers all phases of the object-oriented software development life cycle.
Courses: IT30, IT40
Prerequisite: 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
Prerequisite: 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 proceessing 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
Prerequisite: 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 heterogenous 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 analysis and experimentation. Trees, lists, tables, hashing and stacks are reviewed. Extensible hashing, K-d trees, quadtrees, multiattribute hashing and signature files are studied.
Courses: IT30, IT40
Prerequisite: 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 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: IF64, 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: IF64, 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, long-range planning, marketing; advanced online, network and CDROM information retrieval; expert systems as tools in reference work.
Course: IT40 **Prerequisite:** ITP328
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: IT40 **Prerequisites:** 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 gronp 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 resonrce collections; linkages to the English language resources collection; space provision and signage for a multicultural service; marketing and public relations: targets, strategies and tactics.
Course: IT40
Prerequisites: 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 feebased information service; the information requirements of the business and industrial community and the implications for library services; investigation of what types of services are required and can be targetted 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 feebased 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
Prerequisites: 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 literatnre; 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
Prerequisites: 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 **Prerequisites:** 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
Prerequisites: 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.

Course: IT40 **Corequisite:** ITN410
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: ITB412

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

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)
Corequisites: ITB430
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:** ITB441
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 INTERNETWORKING

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
Prerequisites: 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 **Prerequisites:** 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
Prerequisites: 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: IS25, 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
Prerequisites: 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 **Prerequisites:** 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 faceted 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: 12 **Contact Hours:** 3 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
Prereqnisites: 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: IT25
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; conducting a client interview; selecting an online or hardcopy database, 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 conspectus; 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

■ JSB011 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 dependant 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 'kuow 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 iustitutional practices within the criminal justice system.
Courses: JS31, JS33, LW41 **Prerequisite:** JSB012
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSB107

■ **JSB021 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 aud 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-

dence such as DNA, phone taps and the erosion of the right to silence) are also to be explored.
Courses: JS31, JS33, LW41 **Prerequisites:** JSB024
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSB301

JSB032 ALTERNATIVE JUSTICE PROCESSES

The state approach to conflict and dispute resolution is explored, highlighting the differences between tbe institutionalised legal system and alternatives promised by other schemes. This subject takes both a theoretical and a practical focus, with skills training comprising an important part of tutorials. A critical examination of the policies, philosophy and the practicc of dispute resolution is undertaken in order to best apprise justice professionals of their personal and professional options when faced by conflict.
Courses: JS31, JS33, LW41 **Prerequisites:** JSB017
Credit Points: 12 **Contact Hours:** 3 per week

JSB033 HUMAN DYNAMICS AND THE CRIMINAL JUSTICE PROCESS 2

Acquaints students with the nature of the unique stresses and their effects upon workers within the justice professions. Theories of counselling are examined and practical counselling skills developed.
Course: JS31, JS33, LW41 **Prerequisite:** JSB023
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSB303

JSB034 JUSTICE AND ACCOUNTABILITY

Perspectives on accountability: personal, social and organisational; issues of justice in accountable practicc: legal issues and professional issues, and a work component on accountable practices.
Courses: JS31, JS33, LW41
Credit Points: 12 **Contact Hours:** 3 per week

JSB051 INTRODUCTION TO CRIMINAL LAW AND EVIDENCE

The principles, rules and concepts of criminal law and evidence; the understanding and applications of such principles, concepts and rules as they relate to the operation of the criminal justice system.
Course: JS31, JS33 **Prerequisite:** JSB013, JSB014
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSB109

JSB052 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: JS31, JS33, LW41 **Prerequisite:** JSB051
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSB210

JSB053 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: JS31, JS33, LW41
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSB310

JSB054 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: JS31, JS33, LW41
Credit Points: 12 **Contact Hours:** 3 per week

JSB055 INTERPROFESSIONAL CO-OPERATION

The role and function of policing in conjunction with other agencies, particularly emergency service agencies; the cooperation necessary and the awareness of reciprocal roles and functions in given situations.
Courses: JS31, JS33
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSB212

JSB056 INTRODUCTION TO DISASTER MANAGEMENT

This unit provides students with an overview of disasters and the focus on the phases of disaster management: prevention, preparedness, management and recovery.
Courses: JS31, JS33
Credit Points: 12 **Contact Hours:** 3 per week

JSB057 HAZARD ANALYSIS AND RISK ASSESSMENT FOR DISASTER MANAGEMENT

This unit requires students to analyse and rate potential disaster situations as part of the overall planning process. The students will conduct a hazard analysis concerning potential disasters and provide for this arrangement in their disaster plan.
Courses: JS31, JS33 **Prerequisite:** JSB056
Credit Points: 12 **Contact Hours:** 3 per week

JSB058 COUNTER DISASTER PLANNING

The students will be required to develop/review a counter disaster plan after being exposed to the cycle of disaster planning.
Courses: JS31, JS33 **Prerequisite:** JSB056
Credit Points: 12 **Contact Hours:** 3 per week

JSB059 DISASTER RESPONSE MANAGEMENT

During this unit students will develop an awareness of the problems that exist even after the disaster situation has passed and the tranma suffered by the community as a collection and by the individual.
Courses: JS31, JS33 **Prerequisite:** JSB056
Credit Points: 12 **Contact Hours:** 3 per week

JSB061 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: JS31, JS33, LW41 **Prerequisite:** JSB014
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSB211

JSB062 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: 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; anacapa, scan and other analysis tools are studied.
Courses: JS31, JS33, LW41
Prerequisites: 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 efficiency and effectiveness 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 controls; 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 corrections 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-

dertaken, 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: JS31, JS33, LW41
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSB318

■ **JSB075 PENOLOGY 1**
A critical exposé of penal practices, principles and controversies operating in both closed and open penal settings. Examination of the successes and failures of past and present penal systems is invited.
Courses: JS31, JS33
Credit Points: 12 **Contact Hours:** 3 per week

■ **JSB076 PENOLOGY 2**
The impact of socialisation factors within penological systems is explored and applied to special groups within a variety of settings.
Courses: JS31, JS33 **Prerequisites:** JSB075
Credit Points: 12 **Contact Hours:** 3 per week

■ **JSB081 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 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: JS31, JS33, LW41 **Prerequisite:** JSB014
Credit Points: 12 **Contact Hours:** 3 per week

■ **JSB082 LEGAL RIGHTS AND RESPONSIBILITIES**
Society demands certain responsibilities from persons classed as adults. 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.
Course: ED50, JS31, JS33, LW41
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSS005

■ **JSB083 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: JS31, JS33, LW41
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSB316

■ **JSB084 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: ED50, JS31, JS33, LW41
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSB314

■ **JSB085 LAW AND LEGAL INSTITUTIONS**
Provides students with a sound knowledge of relevant legal institutions and procedures, as well as assisting students to develop an ability to analyse and critique both the strengths and weaknesses inherent in our legal system. In so doing, the unit traces the development of law in Australia from its early beginnings to the present, as an outcome of meeting the needs of a changing society.
Course: ED50, JS31, JS33
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSS001

■ **JSB086 LAW OF CIVIL OBLIGATIONS 1**
The development of the law of contract; law governing the formation of contracts; application of the principles of contract law; matters affecting the validity of contracts; remedies for breach of contract; role of equity in modifying common law rules of contract; rational and objective methods in analysing socio-legal issues in contracts, and an analysis of overlaps between tort and contract.
Course: ED50, JS31, JS33
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSS002

■ **JSB087 LAW OF CIVIL OBLIGATIONS 2**
The theoretical bases of Law of Tort in Australia; different types of tort and remedies; application of Law of Tort to case studies; examination of principles through specific decisions in Tort; Tortious remedies available within the social context and an analysis of overlaps between Tort and contract.
Course: ED50, JS31, JS33
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSS003

■ **JSB088 CRIMINAL LAW AND PROCEDURE**
The theoretical basis of Criminal Law in Queensland; application of the law to case studies; use of rational and objective methods when examining legal issues; how criminal law operates in practice within a legal and social context; analysis of the balance between the rights of citizens and police powers, and emergence of a victim-centred criminal justice system.
Course: ED50, JS31, JS33 **Prerequisite:** JSB085
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSS004

■ **JSB091 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: JS31, JS33
Credit Points: 12 **Contact Hours:** 3 per week

■ **JSB092 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: JS31, JS33, LW41
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: JSB312

■ **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 2**

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 inquires such as the 'Operation Trident' inquiry are also be 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 1**

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; or Legal and Justice Policy.

Course: JS40
Prerequisite: Completion of a professional minor, or equivalent.
Credit Points: 12 **Contact Hours:** 3 per week

■ **JSB403 PROFESSIONAL STUDIES 2**

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; or 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-

spective 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: JS40
Credit Points: 12 **Contact Hours:** 3 per week

■ **JSB406 THESIS**
Students are required to submit a research thesis of approximately 15 000 words. It is expected that the thesis will be based upon an empirical study of a particular field related to the justice professions.
Course: JS40 **Prerequisite:** JSB404
Credit Points: 36 **Contact Hours:** 3 per week

■ **JSB407 THESIS**
Part-time students are required to submit a research thesis of approximately 15 000 words. It is expected that the thesis will be based upon an empirical study of a particular field related to the justice professions.
Course: JS40 **Prerequisite:** JSB404
Credit Points: 12 **Contact Hours:** 3 per week

■ **JSB408 THESIS**
Part-time students are required to submit a research thesis of approximately 15 000 words. It is expected that the thesis will be based upon an empirical study of a particular field related to the justice professions.
Course: JS40 **Prerequisite:** JSB404
Credit Points: 24 **Contact Hours:** 3 per week

■ **JSN001 THEORIES OF JUSTICE 1**
Spheres of Justice – epistemologies of justice – models, ideologies, rationability; postmodern justice; justice and the environment; justice and the law; justice and religion; justice and women; comparative justice.
Course: JS51
Credit Points: 12 **Contact Hours:** 3 per week

■ **JSN002 THEORETICAL CRIMINOLOGY**
This unit traces the development of theories of crime from the Enlightenment to the present day. Special attention is paid to current theoretical debate and developments.
Course: JS51
Credit Points: 12 **Contact Hours:** 3 per week

■ **JSN003 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.
Course: JS51
Credit Points: 12 **Contact Hours:** 3 per week

■ **JSN004 ISSUES IN CRIMINAL JUSTICE**
This unit examines the issue of domestic violence from an interdisciplinary perspective with an emphasis on the criminal justice system response. It will cover topics such as spousal abuse; abuse by relatives; dating violence; abuse in Aboriginal & NESB communities. It will look at the criminal law and the protection orders in Queensland and in other jurisdictions.
Course: JS51
Credit Points: 12 **Contact Hours:** 3 per week

■ **JSN005 THEORIES OF JUSTICE 2**
This unit extends and develops ideas and theories introduced in Theories of Justice I. It will allow clear and coherent distinctions to be made about the relative usefulness of competing claims for legitimacy by various justice theorists. The unit focuses upon the interface between public/social policy and the law's claim to be an instrument of social transformation. It will consider 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 ontogenic 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 **Prerequisite:** JSN006
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 and prostitution, rape, domestic violence, homosexuality 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: JS51
Credit Points: 12 **Contact Hours:** 3 per week

■ **JSN013 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: JS51
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 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: JS41
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: JS41
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: JS41 **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: JS41 **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: JS41
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: JS41
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: JS41
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, homosexuality 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: JS41
Credit Points: 12 **Contact Hours:** 3 per week

■ **JSP013 COUNTER DISASTER PLANNING**
The students will be required to develop/review a counter disaster plan after being exposed to the cycle of disaster planning.
Courses: JS41
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: JS41
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 an 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; anacapa, 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

■ **JSP074 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.
Course: 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, ED51
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 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

■ **LAB330 LOTE 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:** 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.
Courses: 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 **Prerequisite:** LAB336
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 oracy 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.
Courses: 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 1**
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 the strands of 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 2**
This unit complements Language and Mathematics Curriculum 1 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, ED52
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 bidialectism 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: ED26
Credit Points: 12 **Contact Hours:** 3 per week

■ **LAB411 ADVANCED STUDIES IN FILM AND MEDIA CURRICULUM**
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 maths 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
Credit Points: 12 **Contact Hours:** 3 per week

■ **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
Credit Points: 12 **Contact Hours:** 3 per week

■ **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
Credit Points: 12 **Contact Hours:** 3 per week

■ **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 (CELL), 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:**

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 **Prerequisite:** LAP502
Credit Points: 12 **Contact Hours:**

■ **LAP507 AUSTRALIAN LITERATURE FOR YOUNG PEOPLE**
History of Australian children's books to 1959; development and critical assessment of Australian children's literature since 1960 in book and film.
Course: ED25 **Credit Points:** 12

■ **LAP509 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

■ **LAP510 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:**

■ **LAP511 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

■ **LAP512 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

■ **LAP513 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

■ **LAP514 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

■ **LAP515 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

■ **LAP516 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

■ **LAP517 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

■ **LAP518 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 on human development; cognitive, language, moral and social-emotional development; understanding differences in learners: the impact of ethnicity and culture on 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

Theories of learning, metacognition, motivation, problem-solving, thinking and creativity. Intelligence and thinking styles. Psychological dimensions of assessment. Creating optimum environments for learning. Teaching and learning implications of ethnicity and culture. Teaching to difference in a context of inclusive education.

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 communications 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, Behaviour, 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 praetical 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 inventions 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 formative and summative assessment appropriate to student learuing 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 and in 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 teacher's role in assisting students with special learning needs and collaborating with teachers and administrators.
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 approximatcly 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.

Course: SC15 **Prerequisite:** CHA140
Credit Points: 12 **Contact Hours:** 5 per week

■ **LSA 222 LABORATORY INSTRUMENTATION**
This unit extends the laboratory skills necessary for the routine operation of a laboratory with consideration given to the importance of Health and Safety. The unit introduces the basic theory and application of chromatography with particular emphasis on thin-layer, partition-adsorption and column molecular sieve and ion exchange methods as well as electrophoresis.
Course: SC15
Prerequisites: 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 **Corequisites:** 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 **Prerequisites:** 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**
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 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.
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 1**
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 1**
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 PNB450 and PNB650

■ **LSB221 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**
Macrobiology; 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
Prerequisites: LSB001 or Senior Biology
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
Prerequisites: LSB118 or LSB122
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:** LSB150
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 **Prerequisites:** 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 non-chordates 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, LSB238
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 **Prerequisites:** LSB238, CHB242
Corequisite: LSB308
Credit Points: 12 **Contact Hours:** 5 per week

■ **LSB320 QUANTITATIVE METHODS IN LIFE SCIENCE 2**
Topics include: immunoassay, 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 musculoskeletal, 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, nutrition and metabolism, growth and reproduction, genetics, control and host-microbe interactions.
Course: SC30 **Prerequisites:** 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 LSB238 , with an emphasis on integrated approaches to understanding life processes. Areas covered include specialised aspects of cell membranes, cell communication and 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
Prerequisites: 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, adsorption 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: PU48 **Prerequisite:** LSB271
Credit Points: 12 **Contact Hours:** 3 per week

■ **LSB362 EXPERIMENTAL DESIGN**
Emphasises practical considerations of field and laboratory-based experimentation in life science, 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, haematologic system and skin.
Courses: OP42 **Prerequisites:** 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, actiou of and resistance to antimicrobial chemicals, host-microbe-enviroument relationships, foodborne pathogens and spoilers, practical applications of immunology, and examples of the industrial importance of microbial biotechnology.
Course: LS36 **Prerequisite:** LSB300
Credit Points: 8 **Contact Hours:** 4 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 nutrition; 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

■ **LSB421 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

■ **LSB428 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: SC30 **Prerequisites:** LSB328
Credit Points: 12 **Contact Hours:** 5 per week

■ **LSB430 IMMUNOLOGY 1**
The mechanisms of the immune process including the nature of antigen, antibodies, antigen-antibody reactions, antibody formation, coutrol of the humoral and cell-mediated immune responses, hypersensitivity and allergy, immunisation of humans against infections
Course: LS36 **Prerequisites:** LSB250, LSB300
Credit Points: 8 **Contact Hours:** 4 per week

■ **LSB431 MICROBIOLOGY 2**
Continuation of LSB301. Topics covered include: microbial growth and measurement; laboratory and field analysis; microbial control methods; food hygiene; water quality; principles of disease and epidemiology.
Courses: PU42, PU44 **Prerequisite:** LSB301
Credit Points: 8 **Contact Hours:** 3 per week

■ **LSB437 MOLECULAR BIOLOGY**
An introductory unit of lectures and practical/tutorial classes introducing the structure and biochemistry of the nucleic acids and methodologies for their analysis. Topics include: genome organisation and replication in bacteriophages, plasmids, bacteria and eukaryotes; the enzymes involved in replication of DNA and RNA; nucleic acid isolation and purification; and the mechanisms of transcription and translation of the genetic code in vivo .
Course: LS36 **Prerequisite:** LSB308
Corequisite: LSB408
Credit Points: 8 **Contact Hours:** 4 per week

■ **LSB438 IMMUNOLOGY 1**
The mechanisms of the immune process including the nature of antigen, antibodies, antigen-autibody reactions, antibody formation, control of the humoral and cell-mediated immune responses, hypersensitivity and allergy, immunisation of humans against infections
Course: SC30 **Prerequisites:** LSB328, LSB358
Credit Points: 12 **Contact Hours:** 5 per week

■ **LSB443 ANATOMY IMAGING 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 HAEMATOLOGY 1
This is the introductory unit in haematology. Topics discussed include: blood collection; preparation, staining and examination of a blood film; haematology profile using manual and automated procedures; ESR; reticulocyte count; Heinz body detection; quality control procedures; overview of abnormal erythrocyte and leucocyte abnormalities; screening tests for haemostasis.
Course: LS36
Prerequisites: 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
Prerequisites: 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:** LSB238
Credit Points: 12 **Contact Hours:** 5 per week

LSB460 HISTOPATHOLOGY 1
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 **Prerequisites:** 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 **Prerequisites:** 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 biological 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
Parasitology: the laboratory diagnosis of parasitic disease in humans. Clinical virology: nature of viruses and propagation, cell culture of viruses, detection and diagnostic methods and viral infections in humans and animals. Clinical mycology: classification of mycoses, collection of material for culture and characterisation of fungi responsible for superficial, cutaneous, subcutaneous and systemic infections in humans.
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 biochemistry analysis. Topics include: enzyme-based analyses; advanced analysis using isotopes; immunoassays and the major biomolecules.
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 LSB348 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:** 3 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: LS70, LS85, SC30, SC60
Prerequisite: 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 cytogenetics, 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, anaemia 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 larvae 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 including methods for immunohisto-chemistry and transmission electron microscopy. Emphasis is placed on the application and relevance of methods to particular diagnostic areas.
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 integrate 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 evolution 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

■ **LSB620 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

■ **LSB622 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 foot-printing; nucleic acid sequencing and reverse genetics.
Courses: LS70, LS80, LS85, SC30
Prerequisite: LSB537
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 bioleaching.
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 factor disorders, 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 immunlolgical 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 5 000 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
Cell injury and stress mechanisms. Cellular communication. The responses of organelles, cells and tissues to injury and stress including: immune, inflammation, thrombosis, ageing and neoplastic responses. Transplantation and regeneration.
Courses: LS70, LS80
Prerequisite: 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.
Course: 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 **Coutact 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: haemopoeitic 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
Prerequisite: 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, neutrochemistry 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 HAEMATOLOGY 2
Topics include: age-related changes to the haemopoietic system, perinatal haematology, paediatric haematology and haematology in the elderly, nutrition anaemias, non-malignant and malignant leucocyte disorders, transplantation, automation and quality control. Since outside lecturers participate in these specialist electives some interchange of topics between this unit and LSN511 may be necessary.
Courses: LS80, LS85 **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: LS80, LS85 **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: LS80, LS85 **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: LS80, LS85 **Prerequisite:** LSN517
Credit Points: 12 **Contact Hours:** 3 per week

LSN618 DIAGNOSTIC CYTOLOGY 2
Exploration of recent advances, methods and their applications in diagnostic cytology of body sites. Topics include: respiratory and urinary tract, body fluids and techniques such as fine needle aspiration.
Courses: LS80, LS85 **Prerequisite:** LSN518
Credit Points: 12 **Contact Hours:** 3 per week

LSN710 PROJECT
LSN711 PROJECT
LSN712 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 service. Each student submits a written project report in a style to present the data.
Course: LS80
Credit Points: LSN710 = 48, LSN711 & LSN712 = 24

LSP127 BUSINESS ASPECTS OF BIOTECHNOLOGY
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: LS70
Credit Points: 12 **Contact Hours:** 5 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 molecular basis of genetic disorders, cancer, oncogenes and infectious disease; and clinical applications of nucleic acid diagnostic procedures, e.g. linkage analysis, DNA profiling, genetic screening.
Courses: LS70, LS80, SC60 **Prerequisite:** LSB637
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: LS70, SC60 **Prerequisite:** LSB637
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; linkage analysis, DNA profiling and genetic screening using oligonucleotides and gene probes.
Courses: LS85, SC60 **Prerequisite:** LSB437
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/or 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 wordprocessing, 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 systematics, 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:** LSX110
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; supravital staining 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 **Prerequisites:** 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. Auto-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-

ciplines: virology, mycology and parasitology (enteric parasites). The practical periods are used to reinforce the theoretical aspects of the unit.
Courses: LS12, LS15 **Prerequisite:** LSX223
Credit Points: 8 **Contact Hours:** 4 per week

■ **LSX422 HAEMATOLOGICAL TECHNIQUES 4**
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 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

■ **LSX423 HISTOLOGICAL 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 those 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 anaesthetics. 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:** LSC334
Corequisites: LSX431, LSX432, LSX433
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 vitiating contracts; capacity to contract; privity of contract; discharge of contract; breach of contract.
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 existing 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 building blocks and background to the study and practice of statute based areas of the law. Such areas constitute the majority of later year units.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LW41, LX31, LX32, LX33
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: LWB101

LWB231 INTRODUCTION TO PUBLIC LAW
The basic institutions of government the executive, the Parliament 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: LWB203 and LWB311

LWB233 PROPERTY 1
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: LWB201

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: LWB301

LWB235 AUSTRALIAN FEDERAL CONSTITUTIONAL LAW
The constitutional arrangements effected by the Commonwealth Constitution; the structure and institutions of the constitution; 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
Prerequisite: LWB231
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: LWB203

LWB302 FAMILY LAW
The manner in which the law treats the special social relationships which exist among members of a family and transforms them into legal rights and duties. The family as a legal phenomenon; annulment of marriages; dissolution of marriages; consequences of separation and divorce, such as maintenance, adjustment of interests in property and custody.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Credit Points: 12 **Contact Hours:** 3 per week

LWB306 LOCAL GOVERNMENT AND PLANNING LAW
The sources of legal authority for the government of cities, towns and shires; laws relating to town planning and subdivision, including the principles applicable to the rezoning of land; uses of land; control of developments by local governments; rights to object to development; control exercised over subdivision of land by local government; rights of appeal from local government decisions; structure, purpose and procedure of the Planning and Environment Court; other legislation related to the town planning process, such as heritage legislation and contaminated land legislation.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Credit Points: 8 **Contact Hours:** 2 per week

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 procedures other than winding up which may be open to an insolvent company; law relating to receivership and agents of and mortgagees in possession; relevant provisions of the Corporations Law.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Prerequisites: LWB132 & LWB234
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 conveyancing.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Prerequisites: LWB132, LWB233, LWB234
Credit Points: 12 **Contact Hours:** 3 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 preparation 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
Credit Points: 8 **Contact Hours:** 2 per week

■ **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 affects the rights and interests of individuals.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Prereqnisite: LWB231
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: LWB311

■ **LWB332 PROPERTY 2**
Fundamental concepts of personal property law; the concept of negotiability; transfers of personal property; protection 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 consequences 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 companies; the principle of the veil of incorporation, internal functioning of a registered company including the memorandum 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 fundamental principles of judicial review and legal control of government established in the core unit LWB311. Provides 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, interlocutory 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 (partnerships, trusts and companies). Some tax planning issues 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 mortgage 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 modern commercial life. Insurance however is not limited to the commercial sphere but spans a wide variety of subject matter, including 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 interests of the insurer and the insured.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Credit Points: 8 **Contact Hours:** 2 per week

■ **LWB364 INTRODUCTION TO TAXATION LAW**
The principles relating to the distinction between income and capital, the concept of deductions; introductory capital 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, unit trusts, 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, IF32, LX33, IF31, 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 the 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, subpoena, settlement, trial, appear 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 aetion through being involved in the delivery of legal services to members of the community nnder 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
Prior Assumed: LWB232 or LWB302
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 heterogenous fact situations.

Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Prerequisites: LWB132, LWB133, LWB234
Credit Points: 8 **Contact Hours:** 2 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: LWB131, LWB133
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 environment 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

■ LWB486 INTELLECTUAL PROPERTY LAW

The most significant of the legislative enactments creating or protecting intellectual property in Australia, including those governing copyright, designs, patents and trade marks; application of the common law, particularly confidential information and passing off.

Courses: IF31, IF33, IF34, IF36, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Credit Points: 8 **Contact Hours:** 2 per week

■ LWB487 MARITIME LAW

Carriage of goods by sea; charterparties; marine insurance; general average; salvage; collisions; admiralty jurisdiction and arrest of ships; oil pollution; registration, sale and mortgage of ships; and limitation of ship operators' liability.

Courses: IF31, IF33, IF34, IF36, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Credit Points: 8 **Contact Hours:** 2 per week

■ LWB492 SECURITIES

The unit examines security interests including securities given by third parties over real and personal property. Those securities examined include Torrens title mortgages, guarantees, bills of sale over personal assets and motor vehicles, possessory liens and subcontractors' charges. The consumer credit legislation and Trade Practices Act 1974 as they affect the validity and operation of securities will also be considered.

Courses: IF31, IF33, IF34, IF36, IF38, IF40, LW31, LW33, LX31, LX32, LX33
Prerequisites: LWB132, LWB233
Credit Points: 12 **Contact Hours:** 3 per week

■ LWN003 ADVANCED FAMILY LAW

A detailed examination of the law and underlying principles of selected areas of Family Law including: jurisdiction; financial aspects of marriage and divorce; children; marital and non-marital relationships. Where appropriate, comparisons with other countries are used and the impact of treaties is considered.

Courses: LW50, LW51
Credit Points: 24 **Contact Hours:** 2 per week

■ LWN008 COMMERCIAL LEASES

The principles governing standard clauses of a modern Australian commercial lease in the light of recent case law and Queensland statutory provisions affecting such interests. Topics include: negotiation of leases, subject matter of leases, construction of leases, covenants for repair, user, assignment, quiet possession, options to renew and purchase, insurance, the phenomenon of default, remedies of lessor and lessee, guarantees of leases and retail shop leases generally.

Courses: LW50, LW51
Credit Points: 24 **Contact Hours:** 2 per week

■ LWN017 RESTITUTION 1

The law of restitution is concerned with those cases where a plaintiff obtains a money remedy and/or recovers property from a defendant who has been unjustly enriched by the receipt of money or other benefits at the expense of the plaintiff. The theoretical basis and scope of restitutionary claims and defences to them and their relationship with those claims founded on the traditional common law obligations, torts and contract and the law of property are considered.

Courses: LW50, LW51
Credit Points: 12 **Contact Hours:** 2 per week

LWN018 SELECT 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, unconscientious 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 oust 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 mortgagees in possession; securities and the Trade Practices Act; bank guarantees and unconditional performance bonds; the demise of the scintilla temporis principle; romalpa 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 confidentiality 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 application 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

Whilst stamp duty remains a tax on instruments, amendments to the Stamp Act have had the result that it is essentially a transactional impost. On completion, students have a sound understanding of the scope of the Act and of the circumstances in which commercial transactions attract a liability to duty. Topics include: territorial nexus; stamp duty administration; transactions concerning companies; transactions concerning trusts; partnership transactions; 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. Topics in this unit include: the relationship between Part IIIA and the other taxing provisions of the Act; the general 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 capital 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 economics can be applied in the analysis of statutes and the common law, in evaluating proposals for the reform of the law, and in explaining, justifying or criticising particular rules of law. Particular focus is placed on the analysis 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 perspectives 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 public. The way they make investments is governed by statute and by common law as well as by contract. Institutional 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 canvasses the common and statutory law regulating and governing institutional investors as well as contract law. The third part deals with special topics such as conflict 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 emphasis on the following: relevant Queensland legislation and in particular the Local Government Planning & Environment 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 jurisdiction 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 connection therewith. The rights and obligations of objectors, objector appeals and appeals by applicants. Reasonable and relevant conditions in certain specified case areas together with an examination of relevant case law applicable thereto. Existing and non-conforming uses; other legislation impacting on town planning. Prior experience 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 education 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 process considering student approaches to learning, adult learning theory and learning styles; consideration of a variety of teaching styles/techniques and the appropriateness and effectiveness of each. Consideration of matching learning styles with teaching methods and the validity and effectiveness of such an approach. Consideration for the need, role and implementation of training needs analyses and goal setting. Analysing the elements of objectives and aims and how to set them with a view to designing a teaching/training program. Consideration of the means of evaluating teaching/training effectiveness. Consideration of the legal education continuum. 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 at length with the presentation and defence of research including the respective roles of researcher and supervisor, structuring 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

■ **LWN049 INTERNATIONAL ENVIRONMENTAL LAW**
The development of international environmental law; state responsibility for environmental protection; conservation of biological diversity; climate changes; 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

■ **LWN050 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

■ **LWN051 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

■ **LWN052 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 tactics 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

■ **LWN053 RESEARCH PROJECT 1B**
See LWN025.
Courses: LW50, LW51 **Prerequisite:** LWN025
Credit Points: 12

■ **LWN054 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

■ **LWN055 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

■ **LWN056 RESEARCH PROJECT 1C**
See LWN025.
Courses: LW50, LW51
Prerequisites: LWN025, LWN053
Credit Points: 12 **Contact Hours:** 2 per week

■ **LWN057 RESEARCH PROJECT 1D**
See LWN025.
Courses: LW50, LW51
Prerequisites: LWN025, LWN053, LWN056
Credit Points: 12 **Contact Hours:** 2 per week

■ **LWN058 RESEARCH PROJECT 2B**
See LWN026.
Courses: LW50, LW51 **Prerequisite:** LWN026
Credit Points: 24

■ **LWN059 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

■ **LWN060 ENVIRONMENTAL LEGAL SYSTEM**
Analysis of the principles and concepts of environmental law in Qneensland; 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

■ **LWN061 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 utilised 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 contribution; regulation of insurers; 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

■ **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 interrelationship, 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 **Prerequisite:** 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 interrelationship 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. OPC, 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-

eas 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 facilites; the right to control and sanction sport participants; securing sponshorship and endorsement rights; sports marketing and the exploitation of the intellectual and personal property of teams and atheletes; industrial relations and sport; broadcasting of sporting events; sports business and trade practices.
Courses: LW50, LW51
Credit Points: 12 **Contact Hours:** 2 per week

■ **LWN100 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: LW50, LW51 **Credit Points:** 48

■ **LWR001 THESIS**
The dissertation should make a notable contribution to professional knowledge and practice which may be in the form of new knowledge or significant original adaptation, application and interpretation of existing knowledge and practice.
Course: LW50 **Credit Points:** 36

■ **LWR002 THESIS**
See LWR001.
Course: LW50 **Credit Points:** 48

■ **LWR101 THESIS**
See LWR001.
Course: LW50 **Credit Points:** 12

■ **LWR102 THESIS**
See LWR001.
Course: LW50 **Credit Points:** 24

■ **LWS001 MEDICINE & THE LAW**
The impact of some important fields of law upon the medical profession and upon hospital staff, patients and visitors. Introduction to law and the legal system. The federal and state systems; general principles of the law of tort; principles of negligence; trespass; liability of hospitals; industrial law and industrial relations; workers' compensation; legal aspects of medical practice; medico-legal investigations; medical ethics. A consideration of emerging legal issues surrounding surrogate motherhood and test-tube babies. Relevant Commonwealth and Queensland legislation and regulations and court decisions.
Courses: LS85, NS48, PU48
Credit Points: 12 **Contact Hours:** 3 per week

■ **LWS005 LAW & NURSING**
Introduction to the Australian legal system; Commonwealth and state powers concerning health; consent and treatment/restraint of patients; negligence; the relationship between employer and employee; removal of patients from life support equipment and the law on euthanasia; abortion; transplantation of organs and tissue; medical records and confidentiality; control of poisons; the Coroners Act (Qld).
Courses: NS40, NS48
Credit Points: 8 **Contact Hours:** 3 per week

■ **LWS006 HEALTH ETHICS & THE LAW**
The legal issues associated with the matter of public health and an appreciation of the legal and ethical implications of the work done by health care professionals in this area. Topics include: introduction to the Australian legal system; tort law and its impact upon the public health system; workplace health and safety legislation; medical records and confidentiality; criminal law and the health care profession; transplantation of organs and tissues; complaints against hospitals and health care professionals.
Courses: HL85, NS48, NS85, PU69, PU85
Credit Points: 12 **Contact Hours:** 3 per week

■ **LWS010 PUBLIC LAW**
This introduction to public law provides students with an understanding of the origins and nature of the parliamentary system of law and government in Australia and the manner in which public authority is organised and exercised. It examines the functions of the central institutions of government the Crown and Executive. The Parliament, the Judiciary and their relationship one with another. The role of state constitutions is dealt with as well as the organisation of government under the Australian Federal Constitution.
Course: IF64
Credit Points: 12 **Contact Hours:** 3 per week

■ **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**
Algebra: Complex numbers, polar and exponential forms, applications. Vector analysis: scalar and veetor products, differentiation of vectors, applications. Differential calculus: hyperbolic functions, partial derivatives, total derivative, applications.
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 **Prerequisite:** MAB177
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 **Contact 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**
Vector algebra: scalar and vector triple products, vector equation of a straight line; matrix algebra: determinants, inverse matrix; solution of systems of linear equations. Binomial and geometric series; exponential functions: expansion, natural logarithms; gradient of a curve, derivatives, trigonometric functions, Taylor series; implicit functions, log function, logarithmic and parametric differentiation, curve sketching. Definite integration: approximation of integrals, fundamental theorem of calculus, integration by parts, substitution, improper integrals.
Courses: CE31, CE42, EE43, EE44, IF23, IF54, IF56, ME45, ME46, ME85, PS47
Credit Points: 8 **Contact Hours:** 3 per week

■ **MAB188 ENGINEERING MATHEMATICS 1B**
Vector algebra: moments, forces, velocity, acceleration, polar coordinates, differentiation of scalar and vector products, grad; matrix algebra: eigenvalues, eigenvectors. Differentiation: Newton-Raphson method; hyperbolic functions, inverse functions; functions of several variables; partial derivatives, chain rule. Integration: double integrals, volume under a surface, polar coordinates; differential equations: solution of first order differential equations; applications in engineering.
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**
Vectors, algebra; matrices; solution of systems of linear equations. Differentiation; second and higher derivatives; exponential, trigonometric, hyperbolic and inverse functions. Logarithmic, implicit and parametric differentiation. Rates of change, maxima and minima, curve sketching, L'Hopital's rule. Definite and indefinite integrals, fundamental theorem of calculus. Integration by substitution and by parts. Improper integrals. Polar coordinates. May not be available in 1996.

Courses: CH32, ED50, IF34, IT20, SC30
Credit Points: 12 **Contact Hours:** 4 per week
Incompatible with: MAB200, MAB301

■ **MAB222 MATHEMATICS 2**
Areas, volumes, lengths of curves and surface areas. Simple improper integrals. Rotation of axes in the plane. Differentiation of vectors, simple kinematic applications. Series expansions of functions by Taylor and Maclaurin series; ratio test; approximations. Complex numbers; modulus, Argand diagram, exponential form; De Moivre's theorem; applications. Ordinary differential equations. First order: variables separable; exact linear. Second order: linear homogeneous differential equations with constant coefficients. Partial differentiation; geometrical interpretation, partial derivatives of higher order. May not be available in 1996.
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:** MAB252
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
Prerequisite: 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 difference 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; solution 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 1A**
Collection and representation of data, parameters and statistics; sampling; sample mean and variance; statistical estimation and tests of hypotheses based on the nor-

mal, t, F and chi-square distributions; control charts; linear regression; introduction to experimental design and ANOVA.
Courses: 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: BS50, ED50, IF34, IF42, IF44, IF58, IT20, MA34, SC30
Prerequisites: MAB347 or credit in MAB237
Corequisites: MAB301
Credit Points: 12 **Contact Hours:** 4 per week

■ **MAB422 TOPICS IN MATHEMATICS**
Topics in geometry, recreational mathematics, and the history of mathematics, including fractals, iterative maps, map projections, Euclidean constructions, tesselations and mathematical puzzles
Courses: ED50, IF34, IF71, SC30
Prerequisite: MAB222 or MAB301, MAB303
Credit Points: 12 **Contact Hours:** 4 per week

■ **MAB432 MATHEMATICS 3**
Laplace transforms; ordinary differential equations of first and higher order; multivariable calculus. May not be available after 1996.
Course: SC30 **Prerequisite:** MAB222
Credit Points: 12 **Contact Hours:** 4 per week

■ **MAB452 MATHEMATICS 4**
Partial differential equations, Complex analysis; Cauchy-integral theorem, Laurent-series; residue theorem. Fourier series and Fourier transforms. Vector analysis, Green's theorems, Stokes' theorem, the Divergence theorem. Applications to physics. May not be available after 1996.
Course: SC30 **Prerequisite:** MAB432
Credit Points: 12 **Contact Hours:** 4 per week

■ **MAB485 ENGINEERING MATHEMATICS 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 ENGINEEERING MATHEMATICS 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 - **Prerequisite:** MAB485
Credit Points: 8 **Contact Hours:** 3 per week

■ **MAB487 ENGINEERING MATHEMATICS 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 MATHEMATICS 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; columnar, 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 ealculus; 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.
Course: IF54, PS47 **Prerequisite:** MAB188
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, surface 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; functionals; 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**
Mathematical modelling with differential equations;wellposedness of first order differential equations and graphical methods; theory of linear systems and nth order differential equations, solutions for constant coefficients; series; Laplace Transform; boundary value problems; Fourier series; separation of variables method for partial differential equations.
Courses: ED50, IF34, IF42, IF44, IF58, MA34 SC30

Prerequisites: MAB303, MAB304
Credit Points: 12 **Contact Hours:** 4 per week

■ **MAB618 COMPUTATIONAL MATHEMATICS 2**
Linear equations; numerical solution of a single non-linear equation; interpolation; quadrature; numerical solution of a single first order differential equation.
Courses: IF42, IF44, IF58, IT20, MA34, SC30
Prerequisite: MAB321
Credit Points: 12 **Contact Hours:** 4 per week

■ **MAB620 FINITE MATHEMATICS**
Logic; axioms, proofs, truth-table decidability; set theory, relations, functions; number theory: 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
Prerequisite: 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
Prerequisite: 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 IA**
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, MAB342
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 iid 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
Corequisite: 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**
Transformation in three dimensions: central projection, the near parallel case. Numerical analysis: propagation of errors, solution of nonlinear equations. Approximation and interpolation. Solution of simultaneous linear equations, Gaussian elimination, compact methods, Choelsky, iterative methods.
Courses: IF52, IF54, PS47 **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; Bernouilli 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
Prerequisites: 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 IVPs, 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; queuing 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 equlibrium; equilibrium of dynamic macroeconomic models; stability; optimal control theory.
Courses: IF34, IF58, MA34, SC30
Prerequisite: MAB642 **Corequisite:** MAB601
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, IF44, 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, IF49
Prerequisites: MAB601 or MAB602, MAB612
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; imputation techniques; alternatives to household surveys.
Courses: IF34, IF42, IF58, MA34, SC30, SC60, SC80
Prerequisites: MAB647, MAB648
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 behavour; iterative maps; Mandelbrot and Julia-type fractals.
Courses: IF44, SC60, SC80, IF49
Prerequisites: 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**
Signal processing; time domain; Kalman filtering and prediction. Frequency domain: spectral representation of stationary processes. Inference for the spectrum of a stationary process. The cross spectrum. Spectral representation of multivariate stationary time series. Prediction in the frequency domain. Statistical image analysis: spatial processes. Regression and spatial auto-correlation. Two dimensional spectral analysis, two dimensional filtering and image enhancement. Image compression.
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 equations; 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**
The diffusion equation, finite difference methods, DuFort-Frankel and Crank-Nicholson methods, alternating direction methods; stability considerations. Elliptic boundary value problems, finite difference methods. Hyperbolic type equations, use of finite differences, method of characteristics. Use of software packages.
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: AT22, BN71, BN72, BN73, BS81, BS83, BS84, BS85, BS87, CE74, CN77, CS36, ED11, ED12, ED13, EE75, EE78, HL50, HL52, HL58, HL88, IF49, IS50, 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

MAN210 DESIGNED EXPERIMENTS FOR QUALITY IMPROVEMENTS
The principles underlying the design of experiments; a practical approach explains the procedures used, with emphasis on the use of robust techniques for industrial experimentation and explanatory studies.
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, paried 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, application 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
Prerequisites: 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
Prerequisites: 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
Prerequisites: 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
Prerequisites: 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
Prerequisites: 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:** MDB329
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 'sense-maker'.
Course: ED51 **Prerequisite:** MDB302
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 **Prerequisite:** MDB303
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 curriculum 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, Fermet, Turning; major historical developments in content areas of geometry, algebra, probability and modern day applications involving measurement.
Courses: 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 devcloped 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 **Contaet 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 seientific 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 iuformation 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 developing, 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 curriculum; 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 units 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 perspective 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**
Offers students the opportunity to extend expertise with respect to this particular discipline. Emphasis is placed on current issues in the discipline and teaching strategies which allow these issues to be freely discussed in the classroom.
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 **Prerequisite:** 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 mathematics/science education; theoretical constructs of curriculum development; approaches to teaching; key concepts 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 mathematics/science; concepts and processes studied in Semester 1 transferred to other mathematics/science topics; development of teaching episodes incorporating the concepts and processes. Assessment and evaluation; difference between assessment and evaluation; nature and types of assessment/evaluation. Child study: student selects child and mathematics/science topic to assess; develop instruments for assessment; analyse child's performance; develop individual program to cater for child's individual mathematical/scientific needs.

Course: ED36 **Prerequisite:** 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 information is modelled, stored and retrieved using relational 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 administration of schools; explores a range of administrative packages; cost benefits and ethical implications.

Course: ED21, ED51, ED52
Prerequisites: MDP532 or MDP530
Credit Points: 12 **Contact Hours:** 3 per week

■ **MDP506 COMPUTER EDUCATION PROJECT**

Offers students the opportunity to extend expertise gained in other units in the Graduate Diploma in Education (Computer Education). Under supervision, students select a problem relevant to computer education and implement a solution.

Course: ED21, ED61
Credit Points: 12 **Contact Hours:** 3 per week

■ **MDP507 TEACHING SECONDARY COMPUTER STUDIES**

Investigates and develops the pedagogy and management 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 **Prerequisites:** 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 genuine problem-solving software. In addition, the use of popular software tools as aids to teaching and learning is considered.

Courses: ED21, ED61
Prerequisites: MDP537 or MDP532 or MDP530
Credit Points: 12 **Contact Hours:** 3 per week

■ **MDP529 ASSESSMENT & 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 curriculum areas; learning experiences in the integration of mathematical topics; use of hand-held calculator and the computer as aids to conceptual development as practical tools; geometric and algebraic concepts across the curriculum; error analysis and diagnostic inventories; remedial strategies.

Courses: ED28, ED61
Credit Points: 12 **Contact Hours:** 3 per week

■ **MDP530 COMPUTER APPLICATIONS IN EDUCATION**

Allows students to gain technological skills and understanding while investigating applications of these technologies in the context of teaching and learning. A wide range of computer applications will be covered, including writing, publishing, graphics, communications and project management tools.

Courses: 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/learning process; approaches to and uses of computer-aided learning, hypermedia authoring systems such as Hypercard, Linkways and Toolbook, and their applications in multimedia environments.

Course: ED21, ED61
Credit Points: 12 **Contact Hours:** 3 per week

■ **MDP532 COMPUTER SYSTEMS IN AN EDUCATIONAL CONTEXT**

An introduction to educational computer systems; it includes a study of problem-solving using computers, the architectures of computer systems, operating systems and an introduction to computer programming using appropriate educational languages.

Courses: ED21, ED26
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: MDP501

■ **MDP533 TEACHING INFORMATION SYSTEMS MODELLING**

Designed for prospective teachers of information system 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 1**
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**
Manufacturing in world and Australian contexts; concept of manufacturing systems; conventional and non-traditional manufacturing technology; introduction to value analysis, product design and material selection; tolerancing and metrology; total quality control.
Course: IF56
Credit Points: 8 **Contact Hours:** 3 per week

■ **MEB175 MANUFACTURING PRACTICE 1**
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 cams 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; transplants.
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
Prerequisite: 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 continuity 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 submersed 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
Prerequisite: MEB133 or MEB134
Credit Points: 8 **Contact Hours:** 4 per week

■ **MEB450 AIR CONDITIONING**
Psychometry; 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 aerofoils and in a tube of varying cross-sections; stalling of aerofoils; variations with angle of attack of lift, pressure, pitching moment and drag coefficients; the influence of Reynold'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 **Prerequisite:** MEB362
Credit Points: 8 **Contact Hours:** 3 per week

■ **MEB455 THERMODYNAMICS 2**
Steam plant; nozzles; impulse and reaction turbines; gas turbines; mixtures; refrigeration; chemistry of combustion.
Courses: ME45, ME47 **Prerequisite:** MEB352
Credit Points: 8 **Contact Hours:** 4 per week

■ **MEB456 AIR CONDITIONING**
See MEB450.
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 Reynold's equations; isentropic 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 measurements; 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 flow); 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
Prerequisite: 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 pocesses; grinding and non-traditional material cutting processes; principles of mertology.
Courses: IF56, ME35, ME36, ME45, ME46, ME47
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, MAB493, 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; axisymetrically 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:** 3 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: 6 **Contact Hours:** 3 per week

■ **MEB551 PROPULSION & ENGINES**
Piston engines; super chargers and carburettors; actuator disc theory of propellers and rotary wing aircraft;

gas turbine engines; compressors; turbines; ignition systems; fuel control systems and afterburners; rocket motors; fuels and thrust calculations.
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 expansional; 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.
Course: 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 ENGINEERING 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.
Conrses: 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, ME36, 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; 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:** 4 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: ME35, 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, ME45, 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 AS3900; management of engineering projects.
Courses: IF53, IF56, ME35, ME45, ME46, ME47
Credit Points: 8 **Contact Hours:** 3 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; machinery, 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.

Courses: IF53, IF56, ME35
Credit Points: 8 **Contact Hours:** 3 per week

■ **MEB677 INDUSTRIAL ENGINEERING 1**
See MEB670.
Course: ME35
Credit Points: 8 **Contact Hours:** 3 per week

■ **MEB678 PLASTICS TECHNOLOGY**
See MEB675.
Course: IF56
Credit Points: 8 **Contact Hours:** 3 per week

■ **MEB681 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: ME46
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: ease studies; statistical analysis of failures; application of material science in design; fracture mechanics; computer aided optimisation techniques.
Courses: ME35, ME45, 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 MEB503.
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 MEB503.
Courses: 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: ME46
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, ME35, 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: ME35
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.
Courses: EE43, IF53, ME45, ME47, IF56
Credit Points: 8 **Contact Hours:** 3 per week

■ **MEB778 CONCURRENT ENGINEERING**
The unit aims at introducing the student to the issues impacting on product development and how the principles of concurrent engineering are used to reduce time to market for new products. Introduction to concurrent engineering and formation of product development teams; Quality Function Deployment; basics and design for assembly and manufacture; product portfolio analysis; organisation; technologies such as CAD, rapid prototyping, rapid tooling.
Course: IF56
Credit Points: 8 **Contact Hours:** 3 per week

■ **MEB779 ENGINEERING PROJECT APPRAISAL**
See MEB772.
Course: ME45
Credit Points: 8 **Contact Hours:** 3 per week

■ **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

■ **MEB790 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 MEB503.
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

■ **MEB811 INDUSTRIAL NOISE & VIBRATION**
See MEB810.
Courses: IF53, ME45, ME47
Prerequisites: MEB510 or MEB511
Credit Points: 8 **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 MAP/TOP.
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 process; 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.
Courses: 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 scheduling 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: ME46
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: ME46
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 organisation; students will then 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: ME45
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: ME45, ME47
Prerequisites: MEB511 or MEB513, MEB550 or MEB554, MEB610 or MEB610, MEB462 or MEB466
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: ME45 **Prerequisite:** MEB464
Credit Points: 7 **Contact Hours:** 3 per week

■ **MEB961 FLUID SYSTEMS DESIGN**
See MEB960.
Courses: ME45, 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: ME45
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: ME45
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: ME45, ME47
Prerequisites: EEB209, MEB313, or MEB314
Credit Points: 8 **Contact Hours:** 3 per week

■ **MEN140 QUALITY & RELIABILITY ENGINEERING**
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-old renewal; overhaul and renewal; Hastings' repair limit; inspect or monitor; physics of failure.
Course: ME75, 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 models; 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, spares 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 pascal 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 AS3900 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 resources 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.
Course: 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: OP42, 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 ethnomethodology 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
Prereqnisites: 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 proceesses 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: EPB125, EPN101

■ **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

Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: HRB114

■ 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
Prerequisite: EPB124 or BSB114
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPB135, EPB154, EPB167

■ 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 approaeh in a total environment context, human resources 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 analyss organisations within a systems paradigm considered in an environment of change.
Courses: BS50, IF52, IS43 **Prerequisite:** 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 **Prerequisite:** 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 **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 academies).
Courses: BS50, BS56
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 technologies for the organisation, for example, in information technology. It further examines the internal operation of organisations, with particular respect to management (of human, material and financial resources), 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: BS50, BS56
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 a training course; evaluating learning, writing and scoring test items; following-up training.
Courses: BS50, BS56
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: BS50, BS56
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: BS50, BS56
Prerequisites: HRB131 or HRN105 or MGB207 and MGB211
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: HRB138

■ **MGB300 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: BS50, BS56
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: BS50, BS56
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: BS50, BS56 **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: BS50, BS56
Prerequisites: BSB102 or HRN104, or MGB207 and MGB211 and BSB110
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: BS50, BS56 **Prerequisite:** MGB328
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 resources 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: BSB102 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

■ **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 or 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 **Prerequisites:** MGB205
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPB159

■ **MGB319 QUALITY MANAGEMENT**
Introduction to the role of quality in the modern organisation, relation between quality management and strategic management as a total management philosophy; international quality programs and implications for Australia; organising for quality.
Courses: BS50, BS56
Prerequisites: BSB102 or HRN104 or MGB210
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: HRB403

■ **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 both 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
Prerequisites: HRB105 or HRP110 or MGB328
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:** MGB320
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: HRB134

■ **MGB322 REMUNERATION MANAGEMENT**
Examines remuneration management processes and practices in the environment of enterprise bargaining 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 impinging on small business managers. Relations with government and sources of information and assistance are also considered.
Courses: BS50, BS56
Prerequisites: BSB102 or HRN104, and MGB218
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: HRB135

■ **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 **Prerequisite:** MGB212
Credit Points: 12 **Contact Hours:** 3 per week

■ **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: HRB120 or MGB217
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: HRB101

■ **MGB326 UNDERSTANDING ORGANISATIONS**
Classical and contemporary theory and issues associated with understanding work, industry and organisation. Critical analysis of formal organisations as an important social invention; economic explanations of organisation and industry, the behaviour of firms and work experience in them; 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: BS50, 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 bargaiuing, 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: BS50, 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: BSB300, 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, BS78, 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: HRP112

■ **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 to and impact on strategic management of the range of quality issues.
Courses: BS77, IF69
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: HRP111

■ **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 I**
This unit permits students to explore in depth advanced theory, research, and issues of practice in human resource management.
Course: BS93
Credit Points: 12 **Contact Hours:** 3 per week

■ **MGN501 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 more 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, BS63, BS92, BS93
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: HRN118

■ **MGN503 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: HRN101

■ **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 **Prerequisites:** GSN208
Credit Points: 12 **Contact Hours:** 3 per week

■ **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, IF66, BS63, 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, BS63, 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 orgauisational 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 design relation 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. Workplace 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 those 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, formation and implementation, and theories of policy.
Courses: BS62, BS83, IF64, BS93. GS81. GS70, BS30
Prerequisite: 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: EPN106

■ **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 across 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 report on the applicability 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 supervisor shall not be an examiner of the dissertation. The dissertation is examined by an examining committee of at least three, appointed by the Dean, and consists 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 allowing them to analyse, evaluate and conduct research in discipline areas within the fields of study. Essential preparation for the thesis. Areas include: science and knowledge – paradigms; analysis and criticism; research design; data collection; data manipulation and interpretation; presentation.
Courses: BS62, BS83, BS85, BS63, BS92
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: BSB400

■ **MGN522 RESEARCH SEMINAR**
Quality in policy research requires sound understanding of appropriate research methodologies, their design and implementation. 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: BS62, BS78, BS81, BS83, IF64, BS63, BS92
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPN118

■ **MGN523 SCIENCE & TECHNOLOGY POLICY**
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 on policy and the commercialisation of technology although issues relevant to other sectors are also addressed.
Courses: BS62, BS78, BS81, BS83, IF64, GS80, GS81, GS70, BS30
Prerequisites: Undergraduate degree or equivalent
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPN119

■ **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).
Course: BS93
Credit Points: 12 **Contact Hours:** 3 per week

■ **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. The content varies depending the issue examined, and the academic member(s) involved (including short-term visiting academics).
Courses: BS93
Credit Points 12 **Contact Hours:** 3 per week

■ **MGN526 ADVANCED READINGS IN MANAGEMENT II**
This unit permits students to explore in depth advanced theory, research and issues of practice in management.
Course: BS93
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: BS93
Credit Points: 12 **Contact Hours:** 3 per week

■ **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: BS93
Credit Points: 12 **Contact Hours:** 3 per week

■ **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: BS93
Credit Points: 12 **Contact Hours:** 3 per week

■ **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 48 credit points could be expected to contain about 20 000 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 topic. 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: BS62, BS83, BS63, BS92
Prerequisites: BSB400 and two of three major units
Credit Points: Students enrol in sequential 12 credit point theses units commencing with MGN600 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: 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 60 000 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 the management 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: BS56, CS28, IS28, IS10, IS43
Credit Points: 12 **Contact Hours:** 3 per week

■ **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; consideration 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 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: BS50, BS56 **Prerequisite:** BSB114
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 arrangement (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 EPB124
Credit Points: 12 **Contact Hours:** 3 per week

■ **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 these fit 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-culture issues and behaviours which impact upon international firms.
Courses: BS50, BS56
Prerequisite: BSB117 or COB160
Credit Points: 12 **Contact Hours:** 3 per week

■ **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, ED50
Prerequisites: EPB140 and EPB150, or EPB172 or EPN102 or BSB113
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: BSB113 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:** BSB116
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:** BSB116
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 **Prerequisites:** BSB116
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: BSB113 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 **Prerequisite:** MIB222
Credit Points: 12 **Contact Hours:** 3 per week

■ **MIB215 MARKETING LOGISTICS**
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
Prerequisite: MIB217 or MKB141 or MIB227
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: MKB136

■ **MIB216 MARKETING DECISION MAKING**
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
Prerequisite: MIB217 or MKB141
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: MKB148

■ **MIB217 MARKETING MANAGEMENT**
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
Prerequisite: BSB116 or MKB140
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: MKB141

■ **MIB218 MARKETING SPORT AND RECREATION**
This subject will encompass the development of sports marketing strategies in an increasingly competitive and global leisure environment. In addition to product development, pricing and distribution elements, the subject will emphasise the importance of innovative promotion and sponsorship plans. Principles of sports marketing will be supported by case analyses and guest lecturers from the sports sector.
Courses: BS50, BS56 **Prerequisite:** MIB222
Credit Points: 12 **Contact Hours:** 3 per week

■ **MIB219 NORTH AMERICAN BUSINESS DEVELOPMENT**
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 **Prerequisite:** BSB116
Credit Points: 12 **Contact Hours:** 3 per week

■ **MIB220 ORGANISATIONAL MARKETS (BUSINESS TO BUSINESS MARKETING)**
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 services 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, IF56
Prerequisite: MIB217 or MKB141
Credit Points: 12 **Contact Hours:** 3 per week

■ **MIB221 RETAIL INDUSTRY**
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
Prerequisites: BSB116 and BSB113
Credit Points: 12 **Contact Hours:** 3 per week

■ **MIB222 SPORT AND RECREATION INDUSTRIES**
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.
Course: BS56
Prerequisites: BSB116 and BSB115 or BSB102
Credit Points: 12 **Contact Hours:** 3 per week

■ **MIB223 TECHNOLOGY AND INTERNATIONAL BUSINESS**
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

Prerequisite: BSB113 or EPB116 or EPB140 or EPB150
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: EPB173

■ **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: BS50, BS56
Prerequisite: 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: BS50, BS56, 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: BS50, BS56, IF56
Prerequisite: 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.
Conrses: BS50, BS56
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: BS50, BS56 **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: BS50, BS56
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: BS56 **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: BS50, BS56, 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: BS50, BS56, IF56
Prerequisite: MIB217 or MKB141 or MIB223
Credit Points: 12 **Contact Hours:** 3 per week

■ **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 instore projects are an integral part of the learning process.
Courses: BS50, BS56, IF56
Prerequisite: MKB141 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 those 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: MKB141 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 competencies 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 BSN408
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: EPB108, 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 **Contact Hours:** 3 per week
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 MGN516
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 **Contact Hours:** 3 per week

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 **Contact Hours:** 3 per week

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 **Contact Hours:** 3 per week

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
Prerequisites: An undergraduate specialisation in marketing
Credit Points: 12 **Contact Hours:** 3 per week
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 raided 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
Credit Points: 12 **Contact Hours:** 3 per week
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
Prerequisites: 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
Prerequisites: 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 structure of 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
Prerequisites: 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
Prerequisites: 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
Prerequisites: 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-

sues 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: GS70, 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 wordprocessing, 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: MJ20
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 those diverse contexts and audiences. Film, television, radio and multimedia, including drama, documentary, comedy, educational and corporate.
Course: MJ20
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, MJ20. Available to Film and Television Production majors only.
Prerequisites: MJB113, MJB114, MJB134
Credit Points: 12 **Contact Hours:** 6 per week
Incompatible with: MJB352

■ MJB118 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

■ MJB120 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:** MJB101
Credit Points: 12 **Contact Hours:** 3 per week

■ MJB121 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: MJB120, MJB101
Credit Points: 12 **Contact Hours:** 3 per week

■ MJB127 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

■ MJB130 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/Historical 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

■ MJB140 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, HU20, MJ20, SS07
Credit Points: 12 **Contact Hours:** 3 per week

■ MJB141 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
Corequisite: MJB130 or equivalent
Credit Points: 12 **Contact Hours:** 4 per week

■ MJB147 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: MJB130 or equivalent
Credit Points: 12 **Contact Hours:** 3 per week

■ MJB149 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

■ MJB155 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: MJB126

■ MJB165 CREATIVE SOUND

Creation and manipulation of sound in the communication context; fundamentals of sound and sound recording; dynamic range, distortion, bias, equalisation, multitracking 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: MJB108

■ MJB166 CREATIVE IMAGE

Foundation principles in the manipulation of light and image, illusion and visual impression. Introduction to the relationship between light, vision and image. Con-

cepts 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: MJ20
Prerequisite: Available to non-Film and Television Production majors in Semester 1 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: MJ20 **Prerequisite:** MJB120
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 mediated 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, MJ20
Prerequisite: MJB155 or MJB126. Available to non-Film and Television Production majors in Semester 1 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 these 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: MJ20
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.
Courses: ED50, MJ20
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, MJ20;
Prerequisites: (MJB126 and MJB129) or (MJB200 and MJB229)
Credit Points: 12 **Contact Hours:** 6 per week
Incompatible with: MJB113 ; Not available to cross-institutional students.

■ **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, MJ20, MJ23
Prerequisite: MJB121 or MJP100
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, MJ20, MJ23
Prerequisite: MJB111 or MJB127
Credit Points: 12 **Contact Hours:** 3 per week. Available to non-Film and Television Production majors in Semester 2 only
Incompatible with: MJB129

■ **MJB231 TELEVISION STUDIO PRODUCTION**
The operational and artistic requirements for simple television studio production including post production for news, current affairs, magazine formats and simple 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.
Course: BS50, MJ20
Prerequisites: MJB111 and MJB200
Credit Points: 12 **Contact Hours:** 6 per week
Incompatible with: MJB131; Not available to cross-institutional students

■ **MJB232 RADIO AND TELEVISION JOURNALISM 1**
The practical and theoretical aspects of radio and television media are studied through the examination of interviewing techniques. Students learn radio style and usage and the evaluation of television news bulletins through seminars and workshops. Strong emphasis is placed on current affairs knowledge.
Courses: BS50, MJ20
Prerequisites: MJB100 and MJB121 or MJP100
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: MJB132

■ **MJB233 TELEVISION CULTURES**
The aim of the course is to provide students with some ways to think about and to 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

■ **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 Tianming, Zhang Yimou and Tian Zhuangzhuang, 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, presales, 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: MJB114

■ **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 MJP100
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 MJP100 or MJB129)
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, film, television, 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 their social and cultural impact, and consider how changes in dominant media forms impact upon the study of the media and contemporary culture.
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 film 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 TELEVISON

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

■ MJN100 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: MJP101 or equivalent
Credit Points: 12 **Contact Hours:** 3 per week

■ MJN101 ADVANCED MEDIA ANALYSIS

The theoretical strategies discussed in MJN100 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: MJN100 **Corequisite:** MJN100
Credit Points: 12 **Contact Hours:** 3 per week

■ MJN103 AUSTRALIAN MEDIA CONTEXTS

Analyses specific aspects of the interaction between mass media and the Australian cultural context; approaches this relationship through cultural studies methodologies: discourse analysis, semiotics, structuralism and theories of cultural production; explores at an advaneed level the histories and contemporary configurations of Australian media industries; telecommunications, television, film, radio, advertising and the print media.

Prerequisite: MJN100 **Corequisite:** MJN100
Credit Points: 12 **Contact Hours:** 3 per week

■ MJN105 COMPARATIVE JOURNALISM

Theoretical basis of different media systems throughout the world; debate over the dominance of world media by Western, particularly Anglo-American, countries and perceived need for a new world information and communication order; practical problems of foreign correspondents in different societies.

Credit Points: 12 **Contact Hours:** 3 per week

■ MJN106 JOURNALISTIC FREEDOM AND RESPONSIBILITY

Provides opportunities for in-depth studies of the historical, philosophical and theoretical foundations of journalism, the law of journalism and journalistic responsibilities. Students learn historiography and how to research the law. They present to the class papers that might later become part of their theses on an historical, legal or ethical issue.

Credit Points: 12 **Contact Hours:** 3 per week

■ MJP100 JOURNALISTIC WRITING

Learning to think like journalists; to evaluate events for their potential news value; to interview and perform other reporting tasks and to write news stories. News values; reporting techniques; and journalistic writing; style and convention.

Course: MJ23
Credit Points: 12 **Contact Hours:** 3 per week

■ MJP101 MEDIA THEORY (FORMERLY COMMUNICATION THEORY 2)

A systematic introduction to the critical and qualitative traditions of media theory and research, with special emphasis on critical media theory. Applications to mass media, including television, film, radio, advertising, print, and new media. Broad theoretical traditions in media theory; history of media theory; media institutions; media organisation and culture; media text analysis; media audiences; media futures.

Courses: AT22, MJ21, MJ23
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 MJP101, MJP102, MJP105
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

Prerequisites: 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 professin. 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 **Prerequisite:** 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

■ **NSB212 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 practise 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 **Prerequisite:** NSB122
Corequisite: NSB211 **Credit Points:** 12

■ **NSB213 NURSING 3**
This unit provides theoretical foundations for clinical decision making and problem solving related to the promotion, maintenance and/or restoration of health for clients experiencing alterations in activity/exercise, nutritional/metabolic and sleep patterns.
Course: NS40 **Prerequisites:** NSB111, NSB121
Corequisite: NSB212
Credit Points: 12 **Contact Hours:** 3 per week

■ **NSB221 NURSING 4**
This unit provides theoretical foundations for clinical decision making and problem solving related to the promotion, maintenance and/or restoration of health for clients experiencing alterations in cognitive/perceptual, coping value/belief patterns.
Course: NS40 **Prerequisites:** NSB111, NSB121
Corequisite: NSB222 **Contact Hours:** 3 per week

■ **NSB222 CLINICAL PRACTICE 3**
Further development and application of the knowledge and skills necessary in the provision of safe, effective nursing care in a variety of settings. Students will practise 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 **Prerequisites:** NSB122, NSB212
Corequisite: NSB222 **Credit Points:** 12

■ **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 **Prerequisite:** SSB101
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 **Prerequisites:** 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 **Prerequisites:** 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-

tal disorders and mental health legislation.
Courses: NS40, NS48
Credit Points: 8 **Contact Hours:** 3 per week

■ **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 pracitce 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.
Course: NS40, NS48 **Corequisite:** NSB323
Credit Points: 12 **Contact Hours:** 3 per week

■ **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.
Course: NS40
Prerequisites: NSB122, NSB212, NSB222
Corequisites: NSB321 **Credit Points:** 16

■ **NSB401 NURSING & BIOPHYSICAL HEALTH 2**
Further develops an appreciation of the effects of selected pathophysiologic processes on the meeting of human needs. Topics addressed include the assessment and nursing diagnosis of elimination, mobility, nutrition, skin integrity and sleep/rest problems along with independent and collaborative strategies designed to promote, maintain and/or restore health.
Course: NS40
Credit Points: 8 **Contact Hours:** 3 per week

■ **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.
Course: NS40 **Prerequisites:** NSB151, NSB152
Credit Points: 8 **Contact Hours:** 3 per week

■ **NSB406 NURSING & THE FAMILY**
Family nursing practiee 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.
Courses: NS40, NS48
Credit Points: 8 **Contact Hours:** 3 per week

■ **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.
Courses: NS40, NS48
Credit Points: 8 **Contact Hours:** 3 per week

■ **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.
Course: NS48 **Prerequisite:** NSB224
Credit Points: 12 **Contact Hours:** 4 per week

■ **NSB417 INTRODUCTION TO NURSING**
This unit aims to provide a framework within which students with advanced standing in the Bachelor of Nursing (Pre-registration) course can develop an evolving concept of nursing practice. Topics will include an historical, social and political analysis of the development of nursing, contemporary views of nursing as a profession, theoretical perspectives which underpin the development of nursing knowledge, the helping relationship as applied within a nursing context, clinical judgment and decision making within nursing and governance in nursing.
Course: NS40
Credit Points: 12 **Contact Hours:** 3 per week

■ **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.
Course: NS40
Corequisites: NSB214, NSB215
Credit Points: 8 **Contact Hours:** 3 per week

■ **NSB561 CLINICAL PRACTICE 5B/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.
Course: NS40 **Corequisites:** NSB214, NSB215
Credit Points: 8
Contact Hours: To be advised by Course Coordinator

■ **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

clinical laboratory experiences in this unit are undertaken in settings which include hospitals and palliative care facilities or psychiatric-mental health facilities.
Course: NS40 **Corequisites:** NSB214, NSB215
Credit Points: 8 **Contact Hours:** 3 per week

NSB571 CLINICAL PRACTICE 5B/MH
Provides students 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: NS40 **Corequisites:** NSB560 or NSB570
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: NS85 **Credit Points:** 24

NSN411 RESEARCH SEMINAR
This unit is the first of three step-locked dissertation units. It provides the student with the opportunity to produce a well researched and indepth literature review in the area of the dissertation topic.
Course: NS85
Credit Points: 12 **Contact Hours:** 3 per week

NSN412 RESEARCH PROJECT
Students design and implement research and gather and analyse data. This is the second of three step-locked dissertation units in the Master of Nursing.
Course: NS85 **Credit Points:** 12

NSN501 ADVANCED CLINICAL STRATEGIES
This unit is designed to provide registered nurses with advanced skills in the area of clinical problem solving aeross a variety of clinical 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: NS64, NS85
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.
Courses: NS64, NS85
Credit Points: 12 **Contact Hours:** 3 per week

NSN505 QUANTITATIVE APPROACHES TO NURSING RESEARCH
Students develop skills in research design and data collection processes related to clinical phenomena. Students have the opportunity to apply statistical conecpts and a computer package to the analysis of numerical data.
Course: NS64, NS85
Credit Points: 12 **Contact Hours:** 3 per week

NSN506 CLINICAL PROJECT
Offers students the opportunity to implement a project of clinical relevance and value which will lead to the resolution of practical issues facing nursing. It advances and extend the student's learning from their clinical speciality and the supporting units.
Course: NS85 **Credit Points:** 24
Contact Hours: Negotiated with Course Coordinator

NSN507 CONTEMPORARY ISSUES IN NURSING
This unit is designed to explore, through the application of relevant theoretical frameworks, contemporary political insight, social, economic and organisational issues in nursing practice. These issues have a major impact on the context within which nurses provide care. The unit content provides students with a body of knowledge to support their further development of nursing practice.
Courses: NS64, NS85 **Credit Points:** 12
Contact Hours: Negotiated with 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: NS64, NS85 **Credit Points:** 12
Contact Hours: Negotitated 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: NS64, NS85 **Credit Points:** 12
Contact Hours: Negotiated with Course Coordinator

NSN510 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 ill 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 subspecialty nursing area. Content will be individually negotiated in order to meet the needs of nurses, in particular nursing speeialty areas. Content may include clinical and theoretical concepts in cardiology, emergency, neuroscience, neonatal, recovery room, or other specialty nursing areas.
Courses: NS64 **Credit Points:** 12
Contact Hours: To be advised by Course Coordinator

NSN511 CLINICAL ELECTIVE 2
This unit provides the opportunity for students to expand the professional knowledge and skills which have been aequired during Clinical Elective 1. Students will have 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 a 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 specialty nursing areas.
Courses: NS64 **Credit Points:** 12
Contact Hours: To be advised by 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 is addressed, an emphasis is placed upon health promotion within the context of a specialty area of health care.
Courses: NS64, NS85
Credit Points: 12 **Contact Hours:** 3 per week

■ **NSN522 CLINICAL SPECIALISATION 2**
Develop 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: NS64, NS85
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: NS64, NS85 **Credit Points:** 12

■ **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: NS64, NS85
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: NS64, NS85
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: NS64, NS85 **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

■ **OPB232 OPHTHALMIC OPTICS 2**
Optical concepts, refraction and notation; neutralisation, transportation, prismatic effects, multifocals; frame and lens materials, quality, dimensions; vertometers, ordering, prescription writing; protection against radiation and mechanical hazards; special lens types.
Course: OP42 **Prerequisite:** PHB122
Corequisite: PHB240
Credit Points: 12 **Contact Hours:** 4 per week

■ **OPB312 VISUAL SCIENCE 3**
The performance of the eye as an optical system is considered in the context of ocular aberrations, refractive errors and image formation and quality. An introduction to visual performance characteristics includes absolute and relative thresholds, dark and light adaptation and relative luminous efficiency curves.
Course: OP42 **Prerequisites:** PHB240, LSB230
Corequisites: PHB340, LSB451
Credit Points: 12 **Contact Hours:** 5 per week

■ **OPB401 OCULAR & REGIONAL ANATOMY**
The gross anatomy of the head and neck region with particular reference to the central nervous system. The macroscopic and microscopic anatomy of the orbit, extraocular muscles, eyelids, lacrimal apparatus, cornea, conjunctiva, sclera, uveal tract, lens, retina, optic nerve, aqueous, vitreous and the neural pathways and vascular circulation. Ocular embryology.
Course: OP42 **Prerequisites:** LSB230, OPB312
Corequisites: OPB412, OPB415
Credit Points: 10 **Contact Hours:** 4 per week

■ **OPB405 CLINICAL OPTOMETRY 4**
Provides students with an understanding of the scope of clinical practice. Students are taught the basics of communicating with patients, how to understand prescriptions and frame selection and adjustment procedures. Measurement of vision, and correct recording procedures will also be covered.
Course: OP42 **Prerequisite:** OPB312
Corequisites: OPB415, OPB401
Credit Points: 4 **Contact Hours:** 2 per week

■ **OPB412 VISUAL SCIENCE 4**
Visual performance is examined with respect to its spatial and temporal characteristics. Perceptual aspects of vision as well as binocular and colour vision performance characteristics.
Course: OP42
Prerequisites: OPB312, PHB340, LSB451
Corequisites: OPB401, OPB405, OPB415
Credit Points: 12 **Contact Hours:** 5 per week

■ **OPB415 OCULAR PHYSIOLOGY**
All aspects of ocular physiology including the vegetative physiology of various ocular structures, visual neurophysiology and an introduction to electrophysiological techniques.
Course: OP42
Prerequisites: LSB230, LSB451, OPB312
Corequisites: OPB401, OPB405, OPB412
Credit Points: 12 **Contact Hours:** 4 per week

■ **OPB504 OPHTHALMIC OPTICS 5**
A continuation of OPB232 emphasising problems with spectacle lenses. Practical application of theory to ophthalmic dispensing in the laboratory.
Course: OP42 **Prerequisites:** OPB232, PHB340
Credit Points: 8 **Contact Hours:** 4 per week

■ **OPB505 CLINICAL OPTOMETRY 5**
The clinical application of techniques learnt in OPB509 (studied concurrently) in the management of patients presenting for eye examinations.
Course: OP42
Prerequisites: OPB412, OPB405, OPB401, OPB415
Corequisites: OPB509, OPB527, OPB520
Credit Points: 8 **Contact Hours:** 4 per week

■ **OPB509 OPTOMETRY 5**
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 systematic diseases.
Course: OP42
Prerequisites: OPB401, OPB415, OPB412, LSB370
Corequisites: OPB505, OPB509, OPB527
Credit Points: 6 **Contact Hours:** 2 per week

■ **OPB527 DISEASES OF THE EYE 5**
The detection, diagnosis, referral and management of ocular disease. General pathological considerations. The writing of reports, referral letters and referral procedures. The nature, aetiology and management of congenital, developmental, dystrophic and degenerative anomalies of the external and internal ocular structures and ocular adnexae. The ocular manifestation of systemic disease including cardiovascular, metabolic, endocrine, central nervous system and malnutritional disorders.
Course: OP42
Prerequisites: LSB491, OPB401, LSB451, OPB415
Corequisites: OPB505, OPB509, OPB520
Credit Points: 8 **Contact Hours:** 3 per week

■ **OPB605 CLINICAL OPTOMETRY 6**
A continuation of OPB505. The clinical application of techniques learnt in OPB509 and OPB609 (studied concurrently) in the management of patients presenting for eye examinations.
Course: OP42
Prerequisites: OPB504, OPB505, OPB509, OPB527
Corequisites: OPB608, OPB609, OPB617, OPB627
Credit Points: 8 **Contact Hours:** 4 per week

■ **OPB608 OCULAR PHARMACOLOGY**
General pharmacological principles are presented as background to a study of pharmacological profiles of ophthalmic preparations; both diagnostic and topical therapeutic agents are considered. Particular emphasis is placed on those ophthalmic drugs used to facilitate an eye examination.
Course: OP42
Prerequisites: OPB505, OPB509, OPB520, OPB527
Co-requisites: OPB605, OPB609, OPB617, OPB627
Credit Points: 6 **Contact Hours:** 3 per week

■ **OPB609 OPTOMETRY 6**
Continuation of the theory and practice of routine and advanced clinical procedures which are used when conducting a complete eye examination. Areas include the management of binocular vision anomalies, methods of examining the visual fields and the measurement of intra-ocular pressure.
Course: OP42
Prerequisites: OPB505, OPB509, OPB520, OPB527
Corequisites: OPB605, OPB608, OPB617 , OPB627,
Credit Points: 16 **Contact Hours:** 8 per week

■ **OPB617 CONTACT LENS STUDIES 6**
An introduction to the basic concepts of contact lens fitting. Areas covered include contact lens instrumentation, contact lens materials and designs, fitting and consultation techniques. The practical component of the unit focuses upon the fitting of contact lenses.
Course: OP42
Prerequisites: OPB509, OPB505, OPB520 , OPB527,
Corequisites: OPB609, OPB605, OPB627, OPB608
Credit Points: 6 **Contact Hours:** 2 per week

■ **OPB627 DISEASES OF THE EYE 6**
A continuation of OPB527. 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: OPB527, OPB509, OPB505, OPB520
Co-requisites: OPB605, OPB608, OPB609, OPB617
Credit Points: 8 **Contact Hours:** 4 per week

■ **OPB705 CLINICAL OPTOMETRY 7**
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

■ **OPB709 OPTOMETRY 7**
Continuation of OPB609. Provides knowledge and understanding of the theory and clinical procedures involved in paediatric optometry, low vision, colour vision and aniseikonia.
Course: OP42 **Prerequisites:** OPB605 , OPB609
Corequisites: OPB705, OPB717, OPB750
Credit Points: 10 **Contact Hours:** 5 per week

■ **OPB717 CONTACT LENS STUDIES 7**
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:** OPB617, OPB605
Corequisites: OPB705, OPB709, OPB750
Credit Points: 6 **Contact Hours:** 2 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 8**
A continuation of OPB705. This unit places emphasis on the students' decision-making skills in the evalua-

tion, care and treatment of patients who may have a wide range of visual disorders.
Course: OP42
Prerequisites: OPB705, OPB717, OPB709
Co-requisites: 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
Corequisites: OPB805, OPB803, OPB750
Credit Points: 4 **Contact Hours:** 2 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, antiarthritic, 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.
Conrse: SC15
Credit Points: 8 **Contact Hours:** 3 per week

■ **PHB001 INTRODUCTORY PHYSICS**
Gives students without Senior Physics a basic grounding. Topics include: kinematics, mechanics, electricity and magnetism.
Course: SC30, ED50
Credit Points: 6 **Contact Hours:** 3 per week
Incompatible with: SA or better in Senior Physics.

■ **PHB111 PHYSICS 1B**
A course of lectures and laboratory work on AC and DC circuit theory, electronics, vibrations and waves, sound, geometrical optics.
Course: PH38
Prerequisites: SA – Senior Physics.
Credit Points: 8 **Contact Hours:** 3 per week

■ **PHB122 PHYSICS 1**
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
Prerequisites: SA Senior Physics
Corequisites: PHB001 unless Senior Physics has been passed at SA or better.
Credit Points: 12 **Contact Hours:** 5 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, 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: 6 **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, gravitational fields, 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

■ **PHB234 ENGINEERING PHYSICS 2B**
The physics of heat and properties of matter, including the kinetic theory of gases, temperature scales and thermometers, heat and heat transfer, thermodynamics and the molecular properties of matter, electric charge and electric fields, Gauss's Law, electric potential, capacitance, magnetism and magnetic fields, electromagnetic induction, inductance.
Courses: EE43, EE44, IF23
Credit Points: 8 **Contact Hours:** 3 per week

■ **PHB240 OPTICS 2**
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, sphero-cylindrical and toric lenses, lens systems in air, the eye and a selection of optical instruments; study of the optics of mono-chromatic 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. Fluid mechanics. 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
Corequisite: 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 topics of optical processing, 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: PH38, PH90
Credit Points: 4 **Contact Hours:** 2 per week

■ **PHB374 RADIOGRAPHIC EQUIPMENT 1**
Discussion of design considerations of X-ray generators and equipment for control of beam direction.
Course: PH38
Credit Points: 4 **Contact Hours:** 3 per week

■ **PHB376 GENERAL RADIOGRAPHY 2**
An extension of topics introduced in PHB276 to include more advanced techniques of skeletal radiography, ward and operating theatre radiography, and examinations using contrast media.
Course: PH38
Prerequisites: LSB241, PHB276, PHB278
Credit Points: 8 **Contact Hours:** 5 per week

■ **PHB378 GENERAL RADIOGRAPHIC PRACTICE 2**
A program of practical sessions relating to topics introduced in PHB376.
Course: PH38
Prerequisites: LSB241, PHB276, PHB278
Corequisites: PHB376
Credit Points: 8 **Contact Hours:** 3 per week

■ **PHB379 CLINICAL RADIOGRAPHY1**
Clinical experiences in radiographic examinations introduced in PHB276 and PHB376. Experience is obtained in approved clinical departments.
Course: PH38
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 telecurie units.
Course: PH38 **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: PH38
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: PH38 **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: PH38 **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: PU44 **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: PH38, PH90
Credit Points: 4 **Contact Hours:** 2 per week

■ **PHB473 MEDICAL ULTRASOUND**
The physical principles and application of ultrasound.
Courses: PH38, PH90
Credit Points: 4 **Contact Hours:** 2 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: PH38
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: PH38, PH90 **Prerequisite:** MAB151
Credit Points: 8 **Contact Hours:** 3 per week

■ **PHB476 SPECIAL PROCEDURES**
Specialised techniques of radiography: the skull, obstetrics, gynaecology, CNS and paediatrics.
Course: PH38 **Prerequisites:** PHB376, PHB378
Credit Points: 12 **Contact Hours:** 4 per week

■ **PHB479 CLINICAL RADIOGRAPHY 3**
Clinical experience in approved departments in radiographic examinations discussed in PHB376.
Course: PH38 **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: PH38 **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: PH38 **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: PH38 **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:** 14

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
Prerequisites: At least three third level Physics units.
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
Static field theory: electric and magnetic fields. Solution of problems by analytic and non-analytic methods. Dielectries. Magnetic materials. Electromagnetic wave theory: time-varying fields, Maxwell's equation, displacement current, electromagnetic energy density. Wave equation and solutions, boundary conditions, reflection and refracton of waves. Wave guides and radiation theory.
Course: SC30 **Prerequisites:** PHB322 , MAB452
Credit Points: 12 **Contact Honrs:** 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, eleetron 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: ED50, SC30
Prerequisite: PHB342 (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

PHB573 DIGITAL IMAGING MODALITIES
The principles, methods and applications of CT, digital radiography and MRI in medical imaging.
Courses: PH38, PH90
Credit Points: 8 **Contact Hours:** 2 per week

PHB574 QUALITY ASSURANCE IN MEDICAL IMAGING
A study of the principles and techniques used in the quality assurance of medical imaging apparatus and ancillary equipment.
Course: PH38
Credit Points: 6 **Contact Hours:** 3 per week

PHB575 MEDICAL RADIATION COMPUTING 2
Applications of computers in image processing and radiotherapy.
Course: PH38, PH90 **Prerequisite:** PHB475
Credit Points: 8 **Contact Hours:** 3 per week

PHB576 ADVANCED RADIOGRAPHIC TECHNIQUE 1
A study of the principles and techniques used in advanced radiographic techniques including angiography, the salivary glands, arthrography, sinography, arteriography and venography.
Course: PH38 **Prerequisites:** PHB476, PHB479
Corequisite: PHB578
Credit Points: 12 **Contact Hours:** 6 per week

PHB578 IMAGE INTERPRETATION
Lectures and practical exercises on image interpretation including technical and diaguostic quality.
Courses: PH38, PH90
Credit Points: 4 **Contact Hours:** 2 per week

PHB579 CLINICAL RADIOGRAPHY 4
Clinical experience in special radiographic procedures as introduced in PHB476.
Course: PH38 **Prerequisites:** PHB476, PHB479
Credit Points: 8 **Contact Hours:** 4 per week

PHB583 COMPLEMENTARY & EVOLVING TECHNIQUES
The principles, strengths and stage of development of techniques which are complementary to radiotherapy treatment of cancer including: hyperbaric 02 therapy, neutron therapy, pi-meson therapy, chemotherapy, cryotherapy and hyperthermia.
Course: PH38
Credit Points: 6 **Contact Hours:** 3 per week

PHB584 PRINCIPLES OF TREATMENT 2
A continuation of the detailed discussion started in PHB484 to include the principles of treatment of cancer in all sites, and benign diseases.
Course: PH38 **Prerequisite:** PHB485
Credit Points: 4 **Contact Hours:** 2 per week

PHB585 COMPUTER ASSISTED TREATMENT PLANNING 1
A study of planning hardware and software to include two-dimensional planning. Development of concepts to an advanced level of understanding of computer-assisted optimisation of isodose distributions.
Courses: PH38, PH90

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
Corequisite: PHB587
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 relevent topic.
Courses: PH38, PH90
Credit Points: 12

■ **PHB674 RADIATION SAFETY & BIOLOGY**
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. The biological effects of ionising and non-ionising radiation.
Courses: PH38, PH90
Credit Points: 8 **Contact Honrs:** 4 per week

■ **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: 14 **Contact Hours:** 6 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 Honrs:** 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
Corequisite: PHB687
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 superonductivity.
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

■ **PHB789 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:** PHN162
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; three-dimensional 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 biochemicals; biorouting of radiopharmaceuticals; dose calculations; safety considerations.
Course: PH80
Credit Points: 12 **Contact Hours:** 4 per week

■ **PHN184 BREAST IMAGING**
Medical imaging of the breast; principles of mammographic and sonographic imaging; breast anatomy and physiology; pathological conditions affecting the breast and their mammographic and sonographic appearances; advanced mammographic techniques; mammographic and sonographic quality assurance.
Course: PH80
Credit Points: 12 **Contact Hours:** 4 per week

■ **PHN197 CLINICAL ATTACHMENT 1**
A supervised practical program carried out in an approved medical imaging department. Students are required to undertake specified clinical practice as applicable to their area of specialisation and meet minimum requirements of clinical hours and case scope and numbers.
Course: PH80 **Credit Points:** 12

■ **PHN211 MEDICAL IMAGING**
The physical principles involved in the production of the radiographic, ultrasonic, magnetic resonance and nuclear medicine images; quality control protocols.
Course: PH80, SC60
Credit Points: 12 **Contact Hours:** 4 per week

■ **PHN212 RADIOTHERAPY**
Overview of the application of physics to radiotherapy; theoretical and practical aspects of the major topics in radiotherapy physics.
Course: PH80, SC60
Credit Points: 12 **Contact Hours:** 4 per week

■ **PHN213 BIOMECHANICS/ PHYSIOLOGICAL MEASUREMENT**
The basic concepts and principles of measurement in dynamic physiologieal systems; principles of design, construction and operation of transducers, electrodes and other instrumentation.
Course: PH80
Credit Points: 12 **Contact Hours:** 4 per week

■ **PHN214 HEALTH & OCCUPATIONAL PHYSICS**
The philosophy, protocols and practices of safety in the medical and industrial fields; minimisation of hazards associated with radiation, electrical, mechanical and biological techniques.
Course: PH80, SC60
Credit Points: 12 **Contact Hours:** 4 per week

■ **PHN216 MEDICAL & HEALTH TECHNOLOGY MANAGEMENT**
The organisational culture and funding structures within the medical and health industry; basic management skills, the interface between health and technology management.
Course: PH80
Credit Points: 6 **Contact Hours:** 2 per week

■ **PHN217 RESEARCH METHODOLOGY**
Literature searches – manual and computer based; data collection; recording and analysis; introduction to medical statistics. Writing of research proposals, reports and scientific papers.
Course: PH80
Credit Points: 6 **Contact Hours:** 2 per week

■ **PHN271 PRINCIPLES OF ONCOLOGY**
Detailed study of radiation biology; principles of cancer treatment.
Course: PH80
Credit Points: 12 **Contact Hours:** 4 per week

■ **PHN272 BRACHYTHERAPY**
Continuation of PHN173 The application of brachytherapy techniques to specific malignant disease sites.
Course: PH80 **Prerequisite:** PHN173
Corequisites: LSN159, PHN271
Credit Points: 6 **Contact Hours:** 2 per week

■ **PHN273 ADVANCED COMPUTER PLANNING**
Continuation of PHN173.
Course: PH80 **Prerequisite:** PHN173
Corequisites: PHN171, LSN159
Credit Points: 6 **Contact Hours:** 2 per week

■ **PHN281 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

■ **PHN282 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

■ **PHN291 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

■ **PHN297 CLINICAL ATTACHMENT 2**
A period of additional supervised clinical practice designed to expand and refine skills acquired in PHN197 .
Course: PH80 **Prerequisite:** PHN197
Credit Points: 12

■ **PHN354 ULTRASONIC EXAMINATIONS OF THE HEAD, NECK & PERIPHERAL ORGANS**
Ultrasound techniques used to examine the head, neck and peripheral organs and the ultrasonic appearance of normal and abnormal anatomy and pathology.
Course: PH80 **Prerequisite:** PHN197
Credit Points: 6 **Contact Hours:** 2 per week

■ **PHN355 CARDIOVASCULAR ULTRASOUND**
The principles and equipment requirements of ultrasound applications in the cardiovascular system; the clinical techniques and diagnostic criteria of such applications in particular those of the peripheral arterial and venous systems and the heart.
Course: PH80 **Prerequisite:** PHN197
Credit Points: 12 **Contact Hours:** 4 per week

■ **PHN397 CLINICAL ATTACHMENT 3**
A period of additional supervised clinical practice designed to expand and refine skills acquired in PHN197 and PHN297 .
Course: PH80 **Prerequisites:** PHN197, PHN297
Credit Points: 12

■ **PHN520 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

■ **PHN540 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

■ **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
Prerequisites: 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**
The evolution of Western cities. Order and diversity in the organisation of modern land uses. Values, activities and land uses. Characteristics of major human activities: shelter, work, movement, learning, recreation, exchange. Changing influences on contemporary settlements and emergent settlement forms.
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: 3 **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-

plications 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
Prerequisites: Completion of years 1 and 2
Credit Points: 2 **Contact Hours:** 1 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.
Course: BN30 **Prerequisites:** COB163, PSB400
Credit Points: 6 **Contact Hours:** 3 per week

■ **PSB041 REPORT PREPARATION**
Formal writing techniques, including reports, instructions, proposals, specifications, correspondence and essays. Report writing. Structure and content of reports. Summaries and subdivision of materials. Precis. Use of tables, charts, and illustrations in written presentation. Clarity and the selection of data.
Course: BN30 **Prerequisites:** COB163, PSB400
Credit Points: 2 **Contact Hours:** 1 per week

■ **PSB050 THE HUMAN ENVIRONMENT 1**
See ARB141.
Course: 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.
Course: 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.
Course: 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.
Course: 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.
Course: 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.
Course: 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 landscape: concepts of biogeographic regions; landscape structure: patches and corridors and the ideas of matrix and network; analysis of laudscape structure and function.
Course: 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-

ban economics and the economic aspects of town planning issues; provides techniques for economic analysis suited to planning needs; illustrates interactions with employment, industry, population and urban studies at the economic interface.
Course: 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.
Course: 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.
Course: 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.
Course: 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.
Course: 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.
Course: 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.
Course: 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 production and reproduction.
Course: 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.
Course: 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.
Course: 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.
Course: 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

■ **PSB306 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: IF54, PS47
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; organisation; visual hierarchy; 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; meaning geopotential surfaces, geoid, undulations, deflection of vertical, level surfaces, normal, orthomorphic, dynamic heights; heighting systems and AHD; satellite geodesy, perturbed and unperturbed satellite motions; orbital elements; determination of orbits; satellite epherides; orbital characteristics for communication, remote sensing and position fixing satellites; the GPS system, configuration, availability, reliability, epherides, 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, Legvandie'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; VLB1, 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 precedents, 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, easements, caveats, mortgages, dealings, transfers, lease, etc.
Courses: IF54, PS47
Credit Points: 8 **Contact Hours:** 3 per week

■ **PSB317 LAND ADMINISTRATION 3**
The legal aspects of reinstatement of boundaries; case law associated with reinstatement; statutory requirements which relate to the zoning and development of land; land and surveying requirements of the following Acts: The Dividing Fences Act, The Land Sales Act, The Soil Conservation Act, The Water Resources Act, The Beach Protection Act, The Integrated Resort Development Act, The Acquisition of Land Act, The Harbours Act, The Canals Act, etc.
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 redevelopment.
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 mapping, GIS application; the site in its broader context; spatial models; 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.
Course: PS47
Prerequisites: CEB464, PSB317, 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 title, 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; strata 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
Credit Points: 8 **Contact Hours:** 3 per week

■ **PSB326 LAND SURVEYING 2**
Calculations; missing element closes; 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 tilting 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 DTMs;

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 **Corequisite:** PSB317
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 statutory 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, excision 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 **Prerequisite:** PSB328
Credit Points: 8 **Contact Hours:** 3 per week

■ **PSB333 MAP PROJECTIONS**
Mapping terms and definitions; the mapping problem. Distortion, linear, angular and areal. Tessot's Indicatrix Ellipses. Scale, scale in particular directions. Conditions for orthogonality, conformality, equivalence and equidistance. Selection of suitable projections; spherical projections. Principles for deriving projections on tangent and secant plane, conic and cylindrical surfaces in skew, normal or transverse aspects. The use of skew graticules; spheroidal projection. The polar stereographic, Lambert's polar conformal, Mercator and Transverse Mercator projections. The UTM system. Computations on the AMG. Line scale factor and (t – T) for short and long lines. Mutual transformation of polar and AMG coordinates.
Courses: IF54, PS47 **Prerequisite:** MAB497
Corequisites: PSB306, PSB346
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: IF52, 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 stereoplotter; 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, PSB334
Prerequisites: MAB497, MAB498, PSB334
Co-requisites: PSB304, MAB795
Credit Points: 8 **Contact Hours:** 3 per week

■ **PSB336 PHOTOGRAMMETRY 3**
Principles of plotting with a Stereoplotter: analogue plotters; analytical plotters. Rectification of photographs: perspective relationship between planes; differential rectification of photographs (orthophotos); 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, PSB303, PSB334, PSB335
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-

pling 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 ISA; 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; contact; 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; techniques 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 minerals: 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 SPATIAL INFORMATION SCIENCE 4**
Spatial information application area; decision making in spatial information systems; spatial information planning: system planning; system building; system evaluation; costs and benefits.
Course: IF54, PS47 **Prerequisite:** PSB344
Credit Points: 8 **Contact Hours:** 3 per week

■ **PSB346 SPHEROIDAL 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**
Principles and practice of planning. Introduction: background to emergence of planning in Queensland. Types of planning: development planning; development control; strategic planning. Detailed coverage of the current development approval process including Local Government (Planning and Environment) Act 1990. Conservation and heritage protection.
Courses: BN30, 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:** 4 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, consultants; 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-

ernments, expatriate urban and regional planners, local expertise and the international community; the problems of rapid social and cultural change; the role of nationalism. Urban issues: rapid urbanisation, dual economies, the provision of shelter, squatters, social and physical infrastructure. Rural issues: definitions and theories of development; rural development schemes and case studies: capital land and labour intensive schemes; economic transformations; the future of urban-rural relations in developing countries.
Courses: BN73, IF64
Credit Points: 6 **Contact Hours:** 2 per week

■ **PSN125 HOUSING POLICY & HOUSING PROBLEMS: AN INTERNATIONAL PERSPECTIVE**
Seminar course focusing on the various social and economic contexts within which housing systems operate through a comparative transnational perspective of housing problems and the range and effectiveness of policies. The economic institutions, social goals, policy processes and actual outcomes of programs. The distribution of housing, the role of the market and the degree of intervention by public sector agencies. Case studies from free market environments, such as the USA; more regulated markets, such as those of Western Europe; and the rapidly changing circumstances of Eastern Europe.
Course: IF64
Credit Points: 12 **Contact Hours:** 3 per week

■ **PSN126 THE AUSTRALIAN HOUSING SYSTEM & POLICIES**
Demographic, social and economic trends impacting housing markets in Australia, the evolution of post-World War II government housing policies, including public/social housing programs of states, the Commonwealth states Housing Agreement, and the community and local government programs. Access to affordable housing. Housing finance and subsidy schemes for home ownership, private rental and public housing. Housing management issues for public sector housing agencies and community housing schemes.
Course: IF64
Credit Points: 12 **Contact Hours:** 3 per week

■ **PSN201 MASTERS STUDIO**
Students select a specific studio related to the proposed focus of study. Studios are organised on a thematic rather than a purely disciplinary basis and projects will involve members of several disciplines in schemes of varying scales. Advanced problem solving and interactive skills are required. Emphasis is placed on coordinated and managed group activity and resulting high levels of team output are expected. Professional aspects of project activities are supported by input on advanced aspects and concepts.
Course: IF64
Credit Points: 12 **Contact Hours:** 3 per week

■ **PSN202 ADVANCED PRACTICE 1**
Presumes prerequisite understanding of practice relationships and processes. Emphasis is on the establishment and development of new markets and appropriate methodologies.
Course: BN73
Credit Points: 4 **Contact Hours:** 1 per week

■ **PSN203 ADVANCED PRACTICE 2**
See PSN202.
Course: BN73
Credit Points: 8 **Contact Hours:** 2 per week

■ **PSN204 PRACTICE SEMINAR**
Students are required to prepare and present a formal seminar on a professional topical subject and to participate in those presented by fellow students.
Course: BN73
Credit Points: 4 **Contact Hours:** 1 per week

■ **PSN205 PROFESSIONAL SEMINARS**
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.
Course: BN73
Credit Points: 8 **Contact Hours:** 2 per week

■ **PSN206 RESEARCH METHOD**
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.
Course: BN73
Credit Points: 4 **Contact Hours:** 1 per week

■ **PSN207 PREPARATORY SPECIALISATION 1**
This unit will assist the student to explore their elected research area in greater breadth to assist the definition of the specialisation which will be developed in depth in the Specialisation and Research Project units; students will undertake study to develop a broad understanding of knowledge and skills related to the specific concentration and supporting the direction of the proposed Research Project topic. Study may be taken from professional level studies offered by the School, or units within the University or, where appropriate, through another university or through specialist studies offered by staff.
Course: PS71
Credit Points: 12 **Contact Hours:** 3 per week

■ **PSN208 PREPARATORY SPECIALISATION 2**
This unit will assist the student to explore their elected research area in greater breadth to assist the definition of the specialisation which will be developed in depth in the Specialisation and Research Project Units; students will undertake study to develop a broad understanding of knowledge and skills related to the specific concentration and supporting the direction of the proposed Research Project topic. Study may be taken from professional level studies offered by the School, or units within the University or, where appropriate, through another university or through specialist studies offered by staff.
Course: PS71
Credit Points: 12 **Contact Hours:** 3 per week

■ **PSN209 PREPARATORY ELECTIVES 1**
This unit allows development of understanding of the breadth of issues related to the elected specialisation; students will elect unit/s 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.
Course: PS71
Credit Points: 12 **Contact Hours:** 3 per week

■ **PSN210 PREPARATORY ELECTIVES 2**
This unit allows development of understanding of the breadth of issues related to the elected specialisation; students will elect unit/s 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.

Course: PS71
Credit Points: 12 **Contact Hours:** 3 per week

■ **PSN211 RESEARCH PROJECT 1**
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 1 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 unit/s 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 PSP510 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:**

■ **PSP020 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:** 5 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 and construction created 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 involve 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 Studies 1 for common synopsis. Landscape Management B: landscape sssessment, 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

■ **PSP211 RESEARCH PROJECT 1 & ADVANCED RESEARCH METHODS**
Literature reviews. Review of quantitative and qualitative research methodologies. Forecasting and analysis for planning and use of microcomputer statistics, information and analysis packages. Writing a research report. Preparation of a detailed research proposal with clear aims, an established methodology, a satisfactory outline, and a coherent timeline. The project outline will form the starting point for additional work in PSN212 Research Project II.
Courses: PS67, PS70
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 liveability 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; LIS/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; 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 staking, other marking for construction and road design.
Course: PS68
Credit Points: 12 **Contact Hours:** 9 per week

PSP323 PROJECT SITE SURVEYS
Detail surveying; methods, equipment, data requirements and data transfer; specifications and estimate of costs; field detail survey; processing of field data, report and plan presentation; types of construction and building control surveys; preparation of plans and specifications; building construction site inspection; instructions, documentation and communication with contractors; high precision survey and error adjustment techniques involved with construction and building control surveys; construction site set out calculations.
Course: PS68
Credit Points: 8 **Contact Hours:** 6 per week

PSP324 BOUNDARY DEFINITION SURVEYS 2
Complex and difficult reinstatement exercises; field survey project work associated with difficult boundary definition; field survey project work associated with boundary definition for easement surveys and mining lease surveys.
Course: PS68
Credit Points: 12 **Contact Hours:** 9 per week

PSP325 PROPERTY MANAGEMENT SURVEYS
Requirements for survey and registration of plans in various government Acts relating to surveying; easements for transmission lines; easement surveys; dealing with client, proposal, costing and submission, field survey and plan preparation; road closures, location certificates and lease surveys; cadastral survey problem areas.
Course: PS68
Credit Points: 8 **Contact Hours:** 6 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.
Courses: 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, transferable 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 kunstlerichsen Grundsatzen 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, Rapoport on urban meaning, Habraken, Rowe and the city as independent artefact, Canter, 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-

tionships; contribution of natural factors and patterns: topography, soils, drainage, vegetation, climate; towards better delineation of urban form and character. Spaces and their organisation, the city as spatial entity, sequential experience; spaces for specific purposes; choreography of spaces: use, settings, and furnishings, enclosures, floors, overhead structures, services, features, finishes. Natural elements and their nurturing within urban areas: vegetation species, groupings, their requirements, streets, plazas, forecourts, roofs, urban forests, natural areas; water bodies and their conservation as healthy features; urban wildlife: habitats and contribution to the urban experience; landscape conservation techniques in urban areas.
Courses: BN73, IF64, PS69
Credit Points: 4 **Contact Hours:** 1 per week

■ **PSP434 URBAN SERVICES & FUNCTIONS**
Urban services: functional services of power, telephone, gas, water, stormwater and sewerage reticulation; controlling authorities, planning requirements and controls relevant to urban design. Community services related to health, safety and welfare, such as medical, fire, emergency services, libraries, police, community participatory groups; controlling authorities, extent of services provided and controls relevant to urban design. Origins and destinations of traffic movements. The road hicrarchy and its characteristics. Features of major terminals, car parks, pedestrian and cycle networks. Modes of travel and transport systems, railway and light rail, water, evaluation of comparative system. Major traffic generators: airports, terminals, CBD circulation. Related environmental and design issues: noise, atmospheric pollution, physical and visual impacts of different systems and traffic channels. Future trends in transport and movement systems and related issues.
Courses: BN73, PS69
Credit Points: 4 **Contact Hours:** 1 per week

■ **PSP441 COMPUTER APPLICATIONS IN URBAN DESIGN**
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

■ **PSP442 LAW & LEGISLATION IN URBAN DESIGN**
Legislative controls and law reform related to urban design and the development process with specific reference to Queensland. Topics include the potential range of legislative controls, principal relevant legislation in Queensland and its impacts on urban design, the development control authority, arbitration processes of the state government and influence of additional legislation (e.g. Group Title, Heritage Acts, pedestrian malls) on the urban design process.
Courses: BN73, PS69
Credit Points: 4 **Contact Hours:** 1 per week

■ **PSP501 ENVIRONMENTAL PLANNING & ASSESSMENT**
Applied studies in geology and geomorphology, climate, soils and hydrology, the broad soil and plant community associations. Sustainability and urban planning. Environmental economics. Land capability. Environmental ethics. Environmental impact studies and assessment techniques, including social impact assessment. Public and environmental policy. Approaches to land tenure and beliefs about land. Relevant environmental policy development and alternative strategies at national, state and local levels.
Courses: PS67, PS70
Credit Points: 12 **Contact Hours:** 3 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**
Population models, population changes, use of census materials, demographic analyses and projections as the basis for understanding community needs. Land use generation and allocation. Housing and the urban system. Transport and other infrastructure planning. The urban land development process. Planning for commercial, industrial and related economic enterprises. Urban systems and hierarchies. Urban infrastructure management and coordination.
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. The unit 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 polices 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

■ **PSP512 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 ingometric levelling, angular measurements; bearing and azimuth; linear measurements by steel tape and stadis.
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 can identify health and safety problems in the workplace; strategies for dealing with such problems, and the legislation, government agencies and health personnel associated with the working environment. Topics covered include the physical, chemical and biological working environments and temporal work patterns.
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

■ **PUB212 OCCUPATIONAL HEALTH & SAFETY 1**
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

■ **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

■ **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

■ **PUB241 HEALTH STUDIES 1**
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

■ **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

■ **PUB272 HOME ECONOMICS 2**
The place of the consumer in the Australian economy; the consumer in the market place; 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

■ **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: PU49
Credit Points: 12 **Contact Hours:** 4 per week

■ **PUB299 HEALTH INFORMATION MANAGEMENT 1**
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

■ **PUB300 POLLUTION SCIENCE 1**
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

■ **PUB301 ENVIRONMENT PROTECTION 2**
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

■ **PUB302 PODIATRIC MEDICINE 1**
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

■ **PUB303 CLINICAL SCIENCE 1**
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 **Prerequisite:** MEB031
Corequisite: PUB302
Credit Points: 12 **Contact Hours:** 6 per week

■ **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
Corequisite: PUB410, PUB504
Credit Points: 8 **Contact Hours:** 3 per week

■ **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: PU45 **Prerequisites:** CHB242 or CHB289
Corequisite: LSB371
Credit Points: 8 **Contact Hours:** 3 per week

■ **PUB312 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.
Courses: ED50, ED54
Prerequisites: 48 credit points in relevant discipline area
Credit Points: 12 **Contact Hours:** 3 per week

■ **PUB313 DESIGN**
Design has a relevance to both the teaching and learning process and the discipline of home economics. In the areas of textiles, food and shelter there is a role for the application of design as well as critical evaluation and communication of the products of design; provides students with generic design knowledge as well as experience in the application of this knowledge in the specific areas of home economics.
Course: ED50
Credit Points: 12 **Contact Hours:** 3 per week

■ **PUB317 MANAGEMENT & CONSUMER STUDIES**
Management and consumer issues pervade all areas of home economics. Management and consumer concepts pertinent to individual and group living leading to the optimisation of well-being.
Course: ED50
Credit Points: 12 **Contact Hours:** 4 per week

■ **PUB319 FOOD & NUTRITION**
Issues related to choosing a diet which will promote health; nutritional needs for humans; translating these to food selection and preparation.
Course: ED50
Credit Points: 12 **Contact Hours:** 6 per week

■ **PUB321 TEXTILES 1**
Scientific understanding and aesthetic aspects of textiles, their selection, use and care, with reference to specific end uses; practical aspects of construction and surface design of textile articles; textile project.
Course: ED50
Credit Points: 12 **Contact Hours:** 6 per week

■ **PUB322 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 with 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.
Courses: ED50, ED54 **Prerequisite:** PUB312
Credit Points: 12 **Contact Hours:** 3 per week

■ **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: ED50
Credit Points: 12 **Contact Hours:** 4 per week

■ **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: ED50
Credit Points: 12 **Contact Hours:** 4 per week

■ **PUB327 HEALTH ISSUES IN AUSTRALIA**
Australians' major health concerns; the multidimensional nature of health; initiatives undertaken to address health problems at individual, community and national levels; prevention as a pivotal concept in health status.
Courses: ED50, ED51
Credit Points: 12 **Contact Hours:** 3 per week

■ **PUB329 FOUNDATIONS OF HEALTH STUDIES & HEALTH BEHAVIOUR**
The foundations of the discipline of health education, its theorctical framework and concepts of models of health, health education and health promotion.
Course: ED50 **Prerequisites:** SSB922, PUB327
Corequisite: HMB305
Credit Points: 12 **Contact Hours:** 3 per week

■ **PUB331 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 well-being of the individual and families; effective design to accommodate changing family structures; legislative updates.
Courses: PU49, ED50
Prerequisites: PUB325 or PUB372
Credit Points: 12 **Contact Hours:** 4 per week

■ **PUB334 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: ED50
Credit Points: 12 **Contact Hours:** 3 per week

■ **PUB335 OCCUPATIONAL & ENVIRONMENTAL HEALTH**
Study of environmental and occupational health issues in their broadest context and their impact on individual health.
Course: ED50
Credit Points: 12 **Contact Hours:** 3 per week

■ **PUB336 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.
Course: ED50 **Prerequisite:** PUB327
Credit Points: 12 **Contact Hours:** 3 per week

■ **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 **Prerequisite:** 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

■ **PUB349 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:** 4 per week

■ **PUB353 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:** 4 per week

■ **PUB355 FOOD SERVICE: PRINCIPLES & PRACTICES**

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 **Prerequisite:** PUB474
Credit Points: 12 **Contact Hours:** 4 per week

■ **PUB356 CLINICAL CLASSIFICATION 1**

Development of skills in one of the major specialities of health information management: clinical classification of diseases and procedures using the International Classification of Diseases, 9th 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 considered in 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 **Prerequisite:** 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:** 4 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 **Prerequisite:** 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: PUB299 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
Corequisite: PUB421
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, e.g. oedema; obesity; motor, sensory and trophic disturbances and their resultant effects in paralysis, ataxia, deformity and ulceration; intermittent claudication, vascular spasm and cramp are taught so as to emphasise their significance. Medical conditions with manifestations in the feet are given particular attention.
Course: PU45 **Prerequisites:** LSB470, LSB451
Corequisite: 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:** PUB505
Corequisite: 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:** 3 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
Corequisite: PUB404
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
Corequisite: PUB410
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 art 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: PU49, 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: PU42, PU49
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: PU42 **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: PU44 **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 impinge 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: PU44 **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: PU44 **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, clinical 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: PU48 **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 reaction group, vasculities, ulcers, peripheral vascular disease, tumours, eczema, dermatitis, allergy, immunity, infections, psoriasis, 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: PU45
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 human 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: PU45 **Prerequisite:** PUB421
Corequisite: PUB504
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: PU45 **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: PU45 **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: PU44 **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.
Courses: PU42, PU44, PU48
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: PU44
Prerequisites: MEB035, PHB404, PUB483
Corequisite: PUB485
Credit Points: 12 **Contact Hours:** 3 per week

■ **PUB518 FOOD HYGIENE STUDIES**
The various types of food poisoning; food poisoning investigation techniques; laboratory procedures and interpretation of results.
Course: PU42
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: PU42 **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, either 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: PU48 **Credit Points:** 12

■ **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 rudiments of evaluation research applied to health programs.
Course: PU48
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: PU48 **Prerequisite:** EPB150 or EFB104
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. An 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: PU48
Credit Points: 12 **Contact Hours:** 3 per week

■ **PUB540 THE HOME ECONOMIST AS A COUNSELLOR**
The counselling process; major approaches to counselling; models of helping and the helping relationship; communication skills; the home economist as counsellor; moral, ethical and legal responsibility of the home economist as a helping professional.
Course: PU49
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, PU49
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: PU49 **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: PU49 **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: PU49 **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: PU49 **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: PU48
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: PU49 **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-

nise, evaluate and suggest the most efficient control strategies for physical and chemical hazards in the working environment; examines the elements of successful monitoring programs in the workplace.
Course: PU44
Prerequisites: CHB411, LSB431, PUB482, PUB485
Credit Points: 12 **Contact Hours:** 4 per week

■ **PUB590 PRODUCT DEVELOPMENT & MARKETING**
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: PU49 **Prerequisites:** PUB478 or equivalent
Credit Points: 12 **Contact Hours:** 3 per week

■ **PUB592 HOME ECONOMICS INDEPENDENT STUDY 1**
Self-initiated and self-directed academic study in an interest area consistent with the course's overall aims.
Course: PU49
Credit Points: 12 **Contact Hours:** 1 per week

■ **PUB594 HOME ECONOMICS INDEPENDENT STUDY 2**
Self-initiated and self-directed academic study in an interest area consistent with the course's overall aims.
Course: PU49
Credit Points: 12 **Contact Hours:** 1 per week

■ **PUB600 HEALTH MANAGEMENT 1**
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: PU48 **Prerequisites:** 16 units in PU48
Credit Points: 12 **Contact Hours:** 3 per week

■ **PUB602 SPORTS MEDICINE**
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: PU45 **Prerequisites:** PUB503, PUB410
Corequisite: PUB411
Credit Points: 8 **Contact Hours:** 3 per week

■ **PUB603 CLINICAL SCIENCE 4**
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: PU45 **Prerequisite:** PUB504
Credit Points: 8 **Contact Hours:** 12 per week

■ **PUB610 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: PU45
Credit Points: 8 **Contact Hours:** 3 per week

■ **PUB611 HAZARD ASSESSMENT & MANAGEMENT**
Enhances skills in risk management; risk communication; workplace auditing; investigation, analysis and reporting of accidents.
Course: PU44 **Prerequisite:** PHB404
Credit Points: 12 **Contact Hours:** 4 per week

■ **PUB612 HEALTH PROMOTION & EDUCATION**
The scope and nature of health promotion; use of resources for such activities; planning, conduct and evaluation of health promotion programs; adult learning principles; training needs analysis; training program development and evaluation; specific training methods.
Courses: PU44, PU42 **Prerequisite:** SSB914
Credit Points: 8 **Contact Hours:** 3 per week

■ **PUB613 OCCUPATIONAL HEALTH & SAFETY PRACTICE 2**
Experience working in industry, commerce or government; placement in an organisation one day per week; ethics; professional practice; current issues.
Course: PU44 **Prerequisite:** PUB516
Credit Points: 8 **Contact Hours:** 2 per week

■ **PUB614 INDUSTRY SPECIALISATION**
The hazards associated with particular industries including construction, manufacturing, chemical and mining through field trips and specialist lectures; the various laws and standards that apply to these industries and an investigation of the control strategies applicable to the management of hazards in industry; introduction to the principles of workplace rehabilitation.
Course: PU44 **Prerequisite:** PUB516
Credit Points: 8 **Contact Hours:** 4 per week

■ **PUB617 OCCUPATIONAL HEALTH & SAFETY 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 research findings.
Course: PU44
Prerequisites: PUB512, PUB513, PUB585
Credit Points: 12 **Contact Hours:** 3 per fortnight

■ **PUB618 HEALTH COMPUTER SYSTEMS**
Principles and applications of electronic data processing in health care settings. Computerised health information systems are analysed from a variety of viewpoints including the objectives of the system, specific methods employed to meet user needs, structure in an overall information system, the technology which makes it operative, the data base, and the various ways information is transferred and used in health facilities.
Course: PU48 **Prerequisite:** ISB892 or BSB112
Credit Points: 12 **Contact Hours:** 4 per week

■ **PUB619 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: PU48 **Prerequisites:** PUB499, PUB456
Credit Points: 12 **Contact Hours:** 4 per week

■ **PUB620 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: PU42 **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 research 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; alcohol consumption; physiological and traumatic stress.
Course: SC30 **Prerequisites:** LSB408, PUB405
Credit Points: 12 **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 administration 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 systems; structure of AN-DRGs; casemix applications in quality improvement, utilisation review, costing, planning and management; casemix and funding health care services; casemix classification systems for acute inpatients; 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 observation and participation. The managerial role of the health information services with medical, administrative and allied health professionals; reinforcement of clinical classification 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 interests; 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 management in the health care industry. Topics include: human resource needs analysis; human resource planning; supply and demand of health personnel; recruitment, selection and training of health personnel; job descriptions; industrial relations in the health industry; health worker performance and job satisfaction; health teams and multiskilling; leadership and management in the health industry. 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 organisations; business objectives, strategies and policies; functions within business organisations; the role of unions and the nature of industrial relations in Australia; women'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 examination 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 related to the Bachelor of Applied Science (Occupational Health and Safety) under the joint supervision of an industry 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 assessment and the employer's report.
Course: PU44
Prerequisites: Satisfactory completion of the first two years (96 credit points) of the Bachelor of Applied Science (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, state, 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: HL68, 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 rules, 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 the 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 1**
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 politieal 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 PUB617 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. It 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.

Courses: 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.

Courses: 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 uncover 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 podiatric 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, eudocrine 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: IF64, 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 pubic 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 process 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 be 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, skills to analyse and interpret current evaluation literature and the development of evaluation proposals.
Course: 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 for improving health across a range of settings.
Courses: HL88, PU69, NS64, NS85
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 behavioural risks; however, it emphasises the significant strategies and policies of health promotion including healthy public policy, social view 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, PU69, NS85
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 1**
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 workspace. 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

the task. Insight into ergonomics can assist practitioners to enhance the worker's safety and comfort, improve work efficiency and performance, and optimise work performance. Topics include: basic anatomy and physiology of body systems; occupational biomechanics; psychology.
Courses: HL88, PU65
Credit Points: 12 **Contact Hours:** 3 per week

■ **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

■ **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: PU62
Prerequisites: Completion of all Semester 1 and Semester 2 units.
Credit Points: 12 **Contact Hours:** 4 weeks

■ **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: PU62 **Corequisites:** PUP109, PUP110
Credit Points: 12 **Contact Hours:** 5 per week

■ **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: PU62 **Prerequisite:** PUP126
Corequisite: PUP128
Credit Points: 12 **Contact Hours:** 5 per week

■ **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: PU62 **Prerequisite:** PUP126
Corequisite: PUP127
Credit Points: 12 **Contact Hours:** 5 per week

■ **PUP129 FOOD SERVICE & DIETETIC MANAGEMENT**
An introduction to the principles of management including general management theory; organising 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

■ **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

■ **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.
Courses: HL88, PU62, NS85
Credit Points: 12 **Contact Hours:** 3 per week

■ **PUP215 OCCUPATIONAL HEALTH & SAFETY LAW & MANAGEMENT 2**
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.
Courses: HL88, PU65
Credit Points: 12 **Contact Hours:** 3 per week

■ **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.
Courses: HL88 , PU65
Credit Points: 12 **Contact Hours:** 3 per week

■ **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.
Courses: HL88, PU65
Credit Points: 12 **Contact Hours:** 3 per week

■ **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.
Courses: HL88, PU65
Credit Points: 12 **Contact Hours:** 3 per week

■ **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: 12 **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 BOSSSS requirements; current developments in education and implications for home economics curriculum; feasible teaching/learning approaches congruent with the needs of specific groups are developed to achieve more equitable education outcomes for all students.
Course: ED37 **Prerequisite:** PUP420
Credit Points: 12 **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
Prerequisites: Normally the completion of 48 credit points in each relevant discipline area.
Credit Points: 12 **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 **Prerequisite:** SBB325
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
Prerequisites: Normally the completion of 48 credit points in each relevant discipline area.
Credit Points: 12 **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 **Prerequisite:** SBB327
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 **Prerequisite:** 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 **Prerequisite:** 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 **Prerequisite:** 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: Normally the completion of 48 credit points in each relevant discipline area.
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-

ciples 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 SBB340 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 syllabi 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 futures 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 interrelationship 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 a 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, involving 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, NS48

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 disciplinary 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, NS48

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 for investigating 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

■ **SBN604 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

■ **SBN605 CURRICULUM 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

■ **SBN606 ISSUES IN ENVIRONMENT EDUCATION AND INTERPRETATION**
The development of research skills in students and providing them with the opportunity to critically explore issues in environmental education and make interpretations of personal professional relevance. Students undertake reading and research in an area of their choice and produce their findings in a seminar. In these seminars students critically evaluate current literature, controversial issues and debates in their area of study as well as present their findings in the form of a research report.
Courses: ED13 **Credit Points:** 12

■ **SBN607 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 leaning strategies, and competence in advanced training strategies in order to take advantage of these opportunities and challenges.
Courses: ED13, ED11 **Credit Points:** 12

■ **SBN608 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

■ **SBN609 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

■ **SBN610 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 curricula in History for secondary schools, application of inquiry-based principles to curriculum development at levels from school programs to individual lessons.
Course: ED37
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
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 syllabuses and curriculum documents; basic teaching strategies (including microteaching), and resources designed to motivate students and promote a range of participative learning experiences.
Course: ED37
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

SCB001 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

SCB100 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 adviser. An academic adviser 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.

SCB202 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

SCB222 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

SCB246 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

■ **SCB510 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

■ **SSB000 AUSTRALIAN SOCIETY: INTRODUCTION TO SOCIOLOGY**
This unit is designed to introduce students to the way sociology approaches the understanding of the social world in general and Australian socicty in particular. The unit is organised into three sections. The first section tries to define sociology and its place in the social sciences. The second section looks at some of the key concepts of contemporary sociology and will attempt to demonstrate their pertinence to the analysis of Australian society. The third and final section looks at some of the key theoretical debates and how they elucidate some fundamental changes in contemporary societies like Australia.
Courses: PU49, SS07
Credit Points: 12 **Contact Hours:** 3 per week

■ **SSB001 HUMAN DEVELOPMENT 1**
Theories of human development; theories of child development; life-events, transitions and stresses of childhood; values clarification regarding children; disturbances in children; applying developmental theory to service provision for children; cross-cultural and Aboriginal child development; moral development; gender development; child abuse; play and creativity in children; bonding and attachment in early childhood; historical development of childhood; family life cycle; biological bases of child development; the impact of political oppression on child development.
Course: SS07
Credit Points: 12 **Contact Hours:** 3 per week

■ **SSB002 INTRODUCTION TO HUMAN RIGHTS**
Historically, social science inquiry has sustained a particular interest in both explaining, and changing, human situations characterised by deprivation, exploitation, oppression, persecution, disadvantage and disempowerment. This unit, the first of three dealing with the study of human rights, explores such situations from a human rights perspective. It begins an exploration idea of individual and collective human rights and assesses selected international and national situations in terms of civil, political, economic, social and cultural rights.
Credit Points: SS07
Credit Points: 12 **Contact Hours:** 3 per week

■ **SSB003 INTRODUCTION TO PSYCHOLOGY 1A**
Using an inductive learning approach, this unit examines ways of conceptualising and understanding behaviour and focusses on social perception; learning theories and paradigms; the nature of emotions and defensiveness; the social psychology of attitudes/values, self concept, roles, gender, power, groups; models of verbal and non-verbal communication; stress.
Course: SS07
Credit Points: 12 **Contact Hours:** 3 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 **Prerequisites:** SSB007
Credit Points: 12 **Contact Hours:** 3 per week

■ **SSB009 THE AUSTRALIAN WELFARE STATE**
The origins of 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

■ **SSB011 CHILD & FAMILY SERVICES 1**
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

■ **SSB012 DISABILITY SERVICES 1**
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

■ **SSB013 CORRECTIVE SERVICES 1**
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

■ **SSB014 AGED SERVICES 1**
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

■ **SSB015 MULTICULTURAL SERVICES 1**
The unit aims to provide a basic orientation to the context, options and difficulties associated with human service programs 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

■ **SSB016 YOUTH SERVICES 1**
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

■ **SSB017 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 methods; establishing groups and planning group approaches; the group as a therapeutic community; evaluating group work; ethical issues.
Course: SS07
Credit Points: 12 **Contact Hours:** 3 per week

■ **SSB019 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 **Prerequisite:** SSB010
Credit Points: 12 **Contact Hours:** 3 per week

■ **SSB020 CHILD & FAMILY SERVICES 2**
An overview of the frameworks, assessments and intervention skills necessary for human service work with children in the following contexts: child protection, alternative care, domestic violence, divorce, juvenile justice and chemical dependency.
Course: SS07 **Prerequisite:** SSB011
Credit Points: 12 **Contact Hours:** 3 per week

■ **SSB021 DISABILITY SERVICES 2**
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:** SSB012
Credit Points: 12 **Contact Hours:** 3 per week

■ **SSB022 CORRECTIVE SERVICES 2**
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:** SSB013
Credit Points: 12 **Contact Hours:** 3 per week

■ **SSB023 AGED SERVICES 2**
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:** SSB014
Credit Points: 12 **Contact Hours:** 3 per week

■ **SSB024 MULTICULTURAL SERVICES 2**
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:** SSB015
Credit Points: 12 **Contact Hours:** 3 per week

■ **SSB025 YOUTH SERVICES 2**
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:** SSB016
Credit Points: 12 **Contact Hours:** 3 per week

■ **SSB026 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 services competencies, attitudes and knowledge.
Course: SS07
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: Not applicable
Note: Students who fail to achieve a satisfactory standard of performance on placement are liable to exclusion from the course.

■ **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: SS07
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: SS07 **Prerequisite:** SSB004
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; service 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: SS07 **Prerequisite:** SSB020
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: SS07 **Prerequisite:** SSB021
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: SS07 **Prerequisite:** SSB022
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: SS07 **Prerequisite:** SSB023
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: SS07 **Prerequisite:** SSB024
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 nougovernment) 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: SS07 **Prerequisite:** SSB025
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: SS07
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 peformance 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: SS07 **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: SS07
Credit Points: 12 **Contact Hours:** 3 per week

■ **SSB039 CONTEMPORARY SOCIAL POLICIES**
Major debates in social policy will be explored. Analyses 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: SS07
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 disagreement and conflict; introducing change.
Course: SS07 **Prerequisite:** 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: ED26
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: PU49
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; counselling 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 **Prerequisite:** 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
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 organisational 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 socially 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: SSB003 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: SSB003 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

■ **SSB921 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 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, focussing 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 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 neurotransmitter; 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 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 **Prerequisite:** SSB003 or SSB912
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 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 theoretical 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 Points: 12 **Contact Hours:** 3 per week

■ **SSB937 APPLIED COGNITIVE PSYCHOLOGY**
An introduction to cognitive psychology; perception processes in cognition; memory processes; problem-solving and decision-making; the development of intelligence application of cognitive psychology. Artificial intelligence, ergonomics and job design are also included as topics.
Courses: IF52, IF54, IS43, IT20
Prerequisites: SSB912 or 96 credit points of approved study
Credit Points: 12 **Contact Hours:** 3 per week
Incompatible with: SSB933

■ **SSB939 ALCOHOL & OTHER DRUG STUDIES**
An advanced unit giving special attention to the following: what is a drug?; an overview of licit and illicit drugs; states of consciousness; models of use: assessment; and referral practices, theories and research into dependency, historical examples of drug use; Australian drug use; social reinforcement of drug use; gender issues; cultural issues; physiology of drug use; power issues; crisis intervention; legal issues; mythology and drug use.
Course: SS07 **Prerequisite:** SSB934
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 primarily examined in personnel or organisational areas (such as the assessment of ability, interests, values, job satisfaction, commitment and morale, and other attitudinal measures); issues in clinical and counselling assessment using interviews for selection, work analysis, counselling and appraisal; practical application including project or assignment work involving a short organisational placement.
Course: SS07
Prerequisites: 36 credit points of second or third year psychology units
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 (minithesis), project, practicum (work placement and report), classroom presentation to a selected class and other activities.
Course: SS07
Prerequisites: 36 credit points of second or third year psychology units.
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 unemployment; 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: SS07
Prerequisites: 36 credit points of second or third year psychology units
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 motiva-

tion, the assessment of suitability and/or of performance, and the qualities needed in career advancement.
Course: SS07
Prerequisites: SSB930 and at least one of SSB017 or SSB915
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, languaging and the construction of problems; group therapy; group counselling; analytic psychotherapy; ethical, social and moral issues in counselling.
Course: SS07 **Prerequisite:** SSB008
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 SSB005 or SSB913 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, e.g. 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:** SSB008
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:** SSB930
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:** SSB950
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:** SSB000
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 identifing the forces that shaped the various perspectives and theories of sociology and the associated reasearch methodologies. Major theoritical 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 metatheorists 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 (SOCIOLOGY)

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 confronts two central issues in sociological work: the relationship between the sphere of social 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, poststructural and postmodern perspectives. These approaches are also explored with reference to their relationship to research strategies.

Course: SS07
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 an orthodoxy in 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: SS07
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.

Course: SS07
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 explanations they 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 symbolisms 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 change 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 legitimize 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: SS07 **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: SS07 **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 developmental 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 assesment procedures.
Course: SS09
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 statistical analysis techniques, including multivariate analysis of variance, multiple regression, discriminant analysis, multidimensional scaling and factor analysis. Qualitative research issues and techniques will also be considered.
Course: SS09 **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: SS09
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 neuropathology 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: SS09
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 invesitgate 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: SS09
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: SS09 **Prerequisites:** SSB915 and SSB944
Credit Points: 12 **Contact Hours:** 3 per week

■ **SSB996 THESIS**
Continuation of SSB990.
Course: SS09 **Prerequisite:** SSB990

■ **SSB997 RESEARCH & PROFESSIONAL DEVELOPMENT SEMINAR**
This unit will be conducted in association with SSB996. Presentation of research data, analysis and associated psychological research issue 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: SS09 **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 the above therapeutic approaches.
Course: SS12
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: SS12
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: SS12 **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: SS12 **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 made 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 **Prerequisite:** 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 **Prerequisite:** 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 **Prerequisite:** 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 **Prerequisite:** 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 **Prerequisite:** 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 **Prerequisite:** SSN000
Credit Points: 12 **Contact Hours:** 3 per week

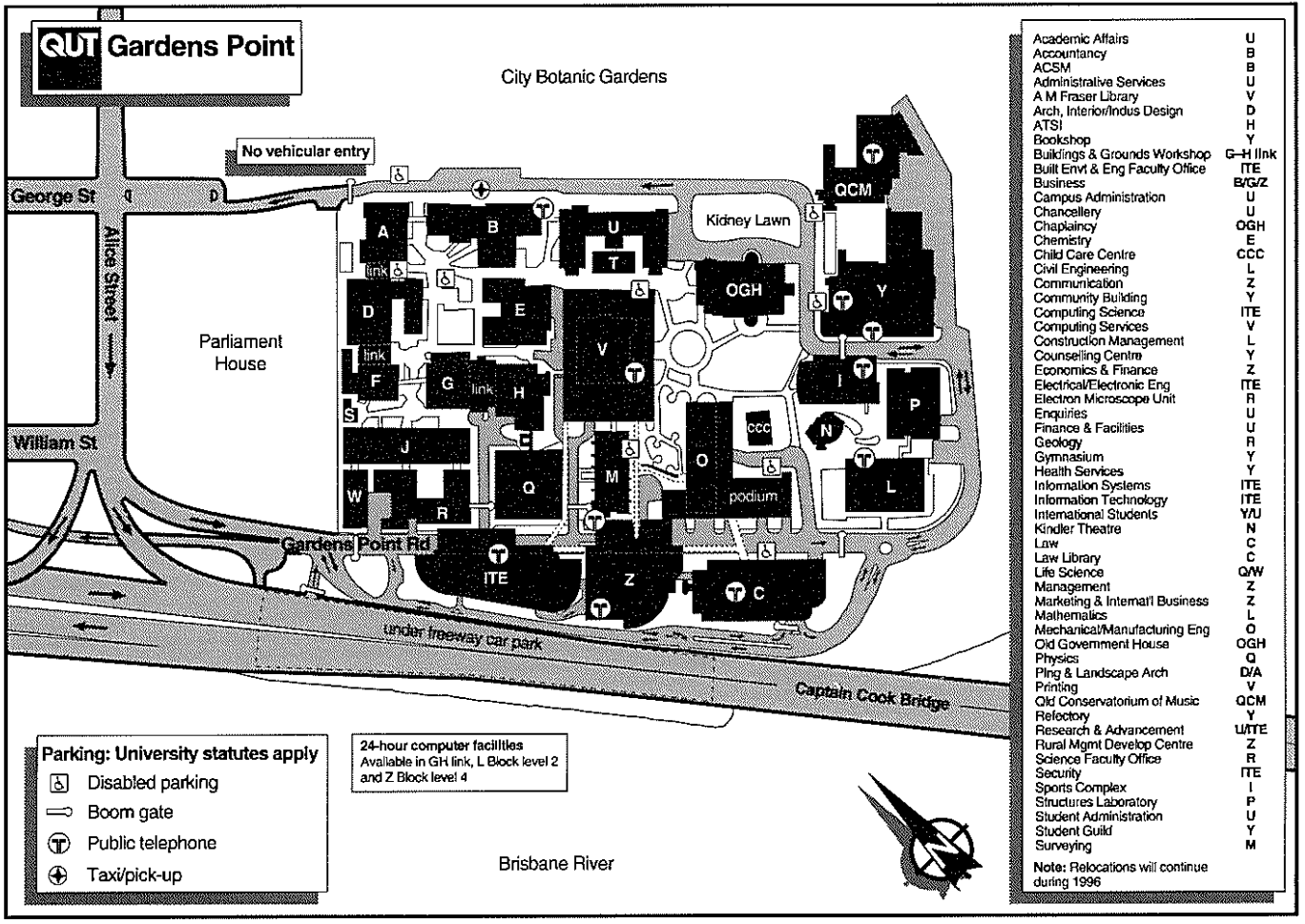
■ **SSN013 ADVANCED COUNSELLING STUDIES**
This unit provides for advanced studies in a chosen area of counselling theory and practice. It is designed to either provide a greater depth of study in one of the major theoretical covered in the course (e.g. brief therapy, psychodynamic therapy, group work) 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 would depend upon student interest plus the availability of suitable staff and resources.
Course: SS12 **Prerequisite:** 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
Prerequisites: Successful completion of units totalling not less than 100 hours of weekly contact time including SVB573.
Credit Points: 4 **Contact Hours:** 2 per week

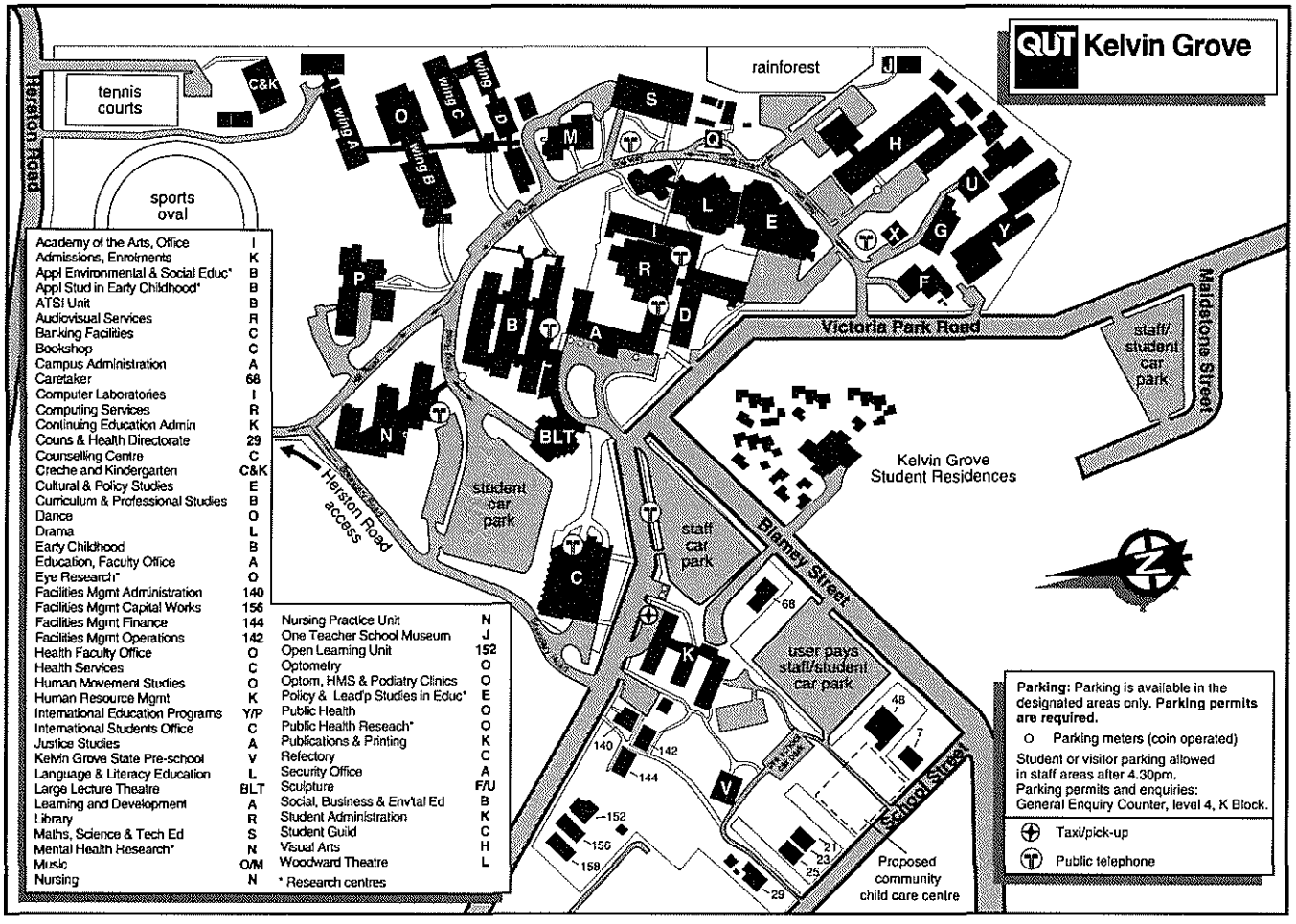
5

QUT Campus Maps



Academic Affairs	U
Accountancy	B
ACSM	B
Administrative Services	U
A M Fraser Library	V
Arch, Interior/Indus Design	D
ATSI	H
Bookshop	Y
Buildings & Grounds Workshop	G–H link
Built Envt & Eng Faculty Office	ITE
Business	B/G/Z
Campus Administration	U
Chancellery	U
Chaplaincy	OGH
Chemistry	E
Child Care Centre	CCC
Civil Engineering	L
Communication	Z
Community Building	Y
Computing Science	ITE
Computing Services	V
Construction Management	L
Counselling Centre	Y
Economics & Finance	Z
Electrical/Electronic Eng	ITE
Electron Microscope Unit	R
Enquiries	U
Finance & Facilities	U
Geology	R
Gymnasium	Y
Health Services	Y
Information Systems	ITE
Information Technology	ITE
International Students	Y/U
Kindler Theatre	N
Law	C
Law Library	C
Life Science	Q/W
Management	Z
Marketing & Internat'l Business	Z
Mathematics	L
Mechanical/Manufacturing Eng	O
Old Government House	OGH
Physics	Q
Plng & Landscape Arch	D/A
Printing	V
Old Conservatorium of Music	QCM
Refectory	Y
Research & Advancement	U/ITE
Rural Mgmt Develop Centre	Z
Science Faculty Office	R
Security	ITE
Sports Complex	I
Structures Laboratory	P
Student Administration	U
Student Guild	Y
Surveying	M

Note: Relocations will continue during 1996

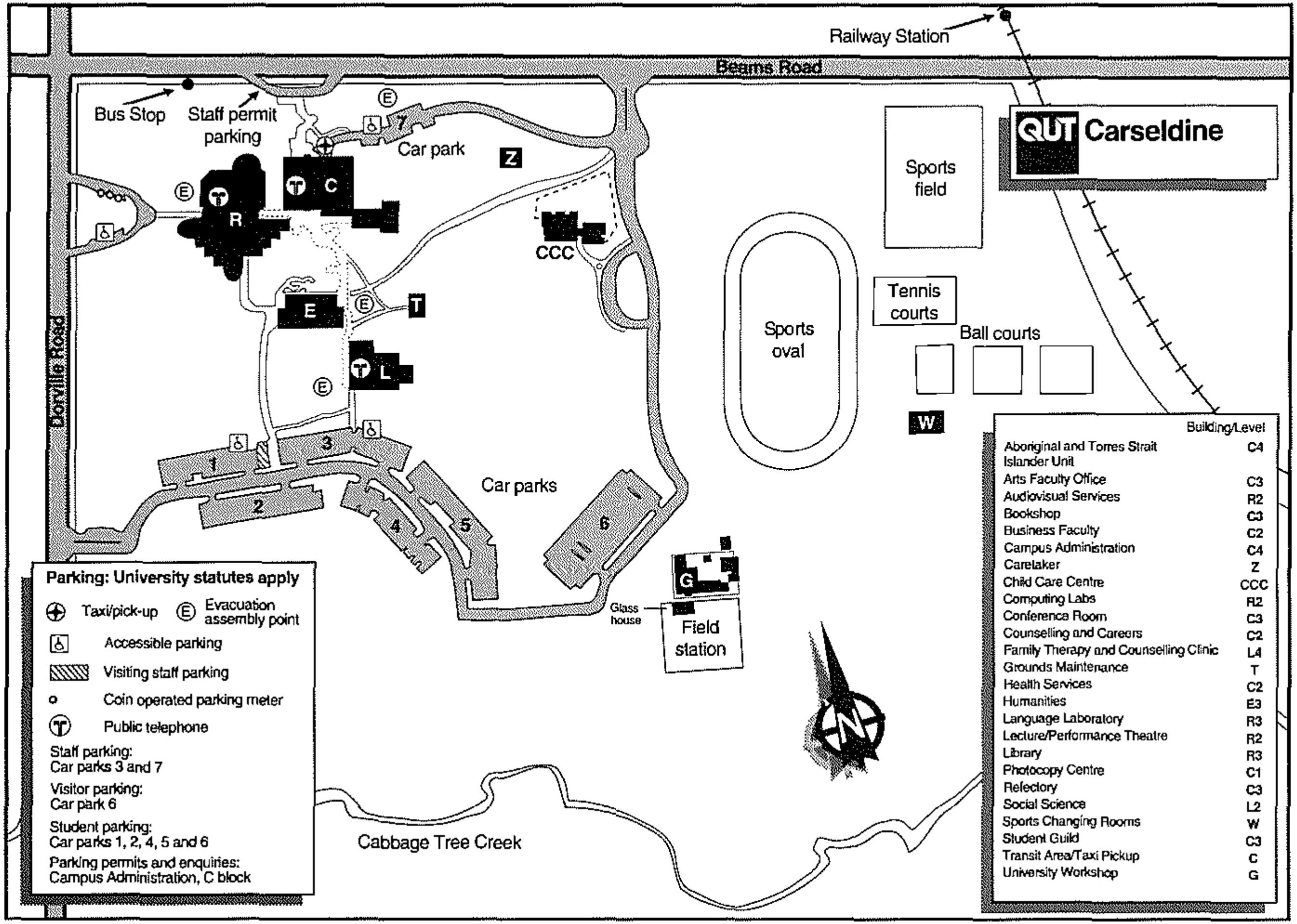


Academy of the Arts, Office	I
Admissions, Enrolments	K
Appl Environmental & Social Educ*	B
Appl Stud in Early Childhood*	B
ATSI Unit	B
Audiovisual Services	R
Banking Facilities	C
Bookshop	C
Campus Administration	A
Caretaker	68
Computer Laboratories	I
Computing Services	R
Continuing Education Admin	K
Couns & Health Directorate	29
Counselling Centre	C
Creche and Kindergarten	C&K
Cultural & Policy Studies	E
Curriculum & Professional Studies	B
Dance	O
Drama	L
Early Childhood	B
Education, Faculty Office	A
Eye Research*	O
Facilities Mgmt Administration	140
Facilities Mgmt Capital Works	156
Facilities Mgmt Finance	144
Facilities Mgmt Operations	142
Health Faculty Office	O
Health Services	C
Human Movement Studies	O
Human Resource Mgmt	K
International Education Programs	Y/P
International Students Office	C
Justice Studies	A
Kelvin Grove State Pre-school	V
Language & Literacy Education	L
Large Lecture Theatre	BLT
Learning and Development	A
Library	R
Maths, Science & Tech Ed	S
Mental Health Research*	N
Music	O/M
Nursing	N

Nursing Practice Unit	N
One Teacher School Museum	J
Open Learning Unit	152
Optometry	O
Optom, HMS & Podiatry Clinics	O
Policy & Lead'p Studies in Educ*	E
Public Health	O
Public Health Reseach*	O
Publications & Printing	K
Refectory	C
Security Office	A
Sculpture	F/U
Social, Business & Envtal Ed	B
Student Administration	K
Student Guild	C
Visual Arts	H
Woodward Theatre	L

* Research centres

QUT CAMPUS MAPS


QUT Carseldine
Railway Station
Beams Road
Dorville Road
Bus Stop
Staff permit parking
Car park
7
Z
C
R
E
T
L
CCC
Sports field
Tennis courts
Ball courts
Sports oval
W
Car parks
1
2
3
4
5
6
G
Glass house
Field station
Cabbage Tree Creek
Parking: University statutes apply
Taxi/pick-up
Evacuation assembly point
Accessible parking
Visiting staff parking
Coin operated parking meter
Public telephone
Staff parking: Car parks 3 and 7
Visitor parking: Car park 6
Student parking: Car parks 1, 2, 4, 5 and 6
Parking permits and enquiries: Campus Administration, C block
Building/Level
Aboriginal and Torres Strait Islander Unit C4
Arts Faculty Office C3
Audiovisual Services R2
Bookshop C3
Business Faculty C2
Campus Administration C4
Caretaker Z
Child Care Centre CCC
Computing Labs R2
Conference Room C3
Counselling and Careers C2
Family Therapy and Counselling Clinic L4
Grounds Maintenance T
Health Services C2
Humanities E3
Language Laboratory R3
Lecture/Performance Theatre R2
Library R3
Photocopy Centre C1
Refectory C3
Social Science L2
Sports Changing Rooms W
Student Guild C3
Transit Area/Taxi Pickup C
University Workshop G