
Section Four

Unit Synopses

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This section provides synopses of the units offered in the academic programs section.

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

- AD Design and Built Environment
- AM Advertising, Marketing and Public Relations
- AR Design and Built Environment
- AY Accountancy
- BE Built Environment and Engineering
- BN Built Environment and Engineering
- BS Business
- CE Civil Engineering
- CL Cultural and Language Studies in Education
- CN Construction Management
- CT Caboolture
- DA Design
- DB Design and Built Environment
- DE Design
- DL Design and Built Environment
- DN Design
- DT Design
- EA Early Childhood
- ED Education
- EE Electrical and Electronic Systems Engineering
- EF Economics and Finance
- EN Engineering Systems
- GS Brisbane Graduate School of Business
- HH Humanities and Human Services
- HL Health
- HM Human Movement Studies
- IB International Business
- IF Interfaculty Courses
- IT Information Technology
- JS Justice Studies
- KC Media Communication
- KD Dance
- KF Fashion
- KI Communication Design
- KJ Journalism
- KK Creative Industries Faculty
- KM Music
- KP Film and Television
- KS Acting and Technical Production
- KT Theatre Studies
- KV Visual Arts
- KW Creative Writing and Cultural Studies
- LP Legal Practice
- LS Life Science
- LW Law
- MA Mathematical Sciences
- MD Mathematics, Science and Technology Education
- ME Mechanical, Manufacturing and Medical Engineering
- MG Management and Human Resource Management

- MM Mechanical, Manufacturing and Medical Engineering
- NR Natural Resource Sciences
- NS Nursing
- OP Optometry
- PC Physical Sciences
- PS Design and Built Environment
- PU Public Health
- PY Psychology and Counselling
- QC QUT International College
- SC Science
- SP Learning and Professional Studies
- UD Urban Development

LEVEL INDICATORS

- X = Certificate, Associate Diploma, Associate Degrees, Diploma
- B = Degree
- D = University Diploma
- F = Foundation Program
- P = Graduate Diploma
- N = Masters Degree
- R = Doctoral
- S = Special Units
- Z = Offshore Offering

CAMPUS CODING

- CB = Caboolture
- Ext = External
- GP = Gardens Point
- KG = Kelvin Grove

SEMESTER CODING

- 1 = Semester 1
- 2 = Semester 2
- 3 = Summer Program

PREREQUISITE AND COREQUISITE UNITS

For definitions of the terms prerequisite and corequisite unit(s), refer to Rule 12 of the Student Rules section.

Disclaimer

Some schools have indicated the availability of their units for semester 1 (1), semester 2 (2), or Summer Program (3). These indications are preliminary only and are subject to change.

ADB007 Architectural Design 7

The content of the unit is project-dependent.

Prerequisite(s): ADB006 **Contact hours:** 5 per week

Campus: Gardens Point

ADB008 Architectural Design 8

The content of the unit is project-dependent.

Prerequisite(s): ADB007 **Corequisite(s):** ADB026

Contact hours: 5 per week **Campus:** Gardens Point

ADB009 Architectural Design 9

Design projects and associated lectures and presentations relevant to developing the unit objectives. A high degree of resolution is expected in design projects in intellectual conceptualisation and strategy, spatial organisation, form, detail and technical understanding. Building economics, services, construction technology, theory and critical analysis will be integrated into the unit.

Prerequisite(s): ADB008 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

ADB013 Contextual Studies 3

This unit looks at the architectural traditions of the diverse cultures of Asia and urban history. The course examines how traditional architecture is shaped by culture and society. It focuses on the geographic regions of the orient including China, Japan and Korea and that of South Asia including India, Nepal and Sri Lanka. Design of cities across geographic regions, including Europe, America, Australia and Asia are studied from an historical and contemporary perspective to understand city form, culture, politics, economics and function, ecology and sustainability.

Prerequisite(s): ADB012 **Contact hours:** 3 per week

Campus: Gardens Point

ADB014 Contextual Studies 4

Contemporary Thinking and Architectural Culture. This unit aims to consolidate for students a theoretical contemporary framework in which to locate key moments in contemporary architectural and cultural production from diverse contexts. It introduces students to contemporary debates and endeavour to de-mystify the language of contemporary architectural ideas and aesthetics in order to promote self-directed interest in contemporary theory and criticism.

Prerequisite(s): ADB013 **Contact hours:** 3 per week

Campus: Gardens Point

ADB025 Technology and Science 5

This unit addresses building construction. It includes an overview of construction systems used in medium to high-rise commercial buildings, including analysis of principles, advantages, disadvantages and details of such systems. It also includes an integrated overview of medium to high-rise building services including hydraulics, lighting, electrical services, mechanical equipment and vertical transportation.

Prerequisite(s): ADB024 **Contact hours:** 3 per week

Campus: Gardens Point

ADB026 Technology and Science 6

The topics in this unit include a case study of the building type being studied in ADB007, working with engineering consultants, and the programming of work.

Prerequisite(s): ADB025 **Contact hours:** 3 per week

Campus: Gardens Point

ADB031 Professional Studies 1

This unit includes theory and some estimating and specifications techniques. The theory includes an analysis of various concepts of professionalism, characteristics of professions, and a discussion of various contemporary critiques of architectural practice. Estimating involves choice of technique, accuracy, square and cube rates, cost control, feasibility, and quantity surveying. The role of specification is included.

Contact hours: 3 per week **Campus:** Gardens Point

ADB033 Professional Studies 3

This is a self-paced national course (BPA 2) prepared by the Royal Australian Institute of Architects as a Continuing Education program which will attract certification from the RAlA. The course covers ethical, administrative and management issues in relation to architectural practice.

Prerequisite(s): ADB932 **Contact hours:** 4 per week

Campus: Gardens Point

ADB051 Architectural Research 1

This unit provides students with an overview of research methodology. Students examine the differences between various research methods and product. A number of issues are addressed in the elected area of research including definition of study area, research aims and objectives, initial proposition, structuring research approach, analysis, and preliminary conclusions based on the literature review.

Credit points: 12 **Contact hours:** 4 per week **Campus:**

Gardens Point

ADB052 Architectural Research 2

Students continue their studies on an approved topic commenced in Architectural Research 1. By means of a thesis presentation, students demonstrate their ability to define and logically argue propositions, and to conduct research to prove its validity by means of a well-constructed research project that includes critical analysis.

Prerequisite(s): ADB051 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ADB053 Architectural Project

The major project, selected by students and approved by the unit coordinator, will have a focus work study that demonstrates the particular skills and interests of the individual. This work should be completed to a highly developed and resolved standard.

Prerequisite(s): ADB009, ADB067 **Contact hours:** 4 per week **Campus:** Gardens Point

ADB067 Elective Architectural Applications

This unit provides an opportunity for students to develop and strengthen areas of interest in a program of their choice, to be approved by the Course Coordinator. For example, it may be used to develop the Architectural Research 2 program to the presentation of a dissertation or enhance knowledge and skills in other subject areas.

Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point

ADB795-1 Practice Experience A

This practice experience partnership with the architectural profession will enable the students to increase their skills in the practical application of theory in 'real life' architectural projects. Students need to complete parts 1 and 2 of this unit to achieve the 36 credit points.

Campus: Gardens Point

ADB795-2 Practice Experience A

This practice experience partnership with the architectural profession will enable the students to increase their skills in the practical application of theory in 'real life' architectural projects. Students need to complete parts 1 and 2 of this unit to achieve the 36 credit points.

Campus: Gardens Point

ADB796-1 Practice Experience B

This practice experience partnership with the architectural profession will enable the students to increase their skills in the practical application of theory in 'real life' architectural projects. Students need to complete parts 1 and 2 of this unit to achieve the 60 credit points.

Credit points: 30 **Campus:** Gardens Point

ADB796-2 Practice Experience B

This practice experience partnership with the architectural profession will enable the students to increase their skills in the practical application of theory in 'real life' architectural projects. Students need to complete parts 1 and 2 of this unit to achieve the 60 credit points.

Credit points: 30 **Campus:** Gardens Point

ADB932 Professional Studies 2

This unit offers a self-paced national course (BPA 1) prepared by the RAIA as a basis for the formal examination for registration as an Architect. It covers the context of profession, professional ethics, and the range of professional services from engagement to completion of a project. Completion of course will attract RAIA certification.

Prerequisite(s): ADB031 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ADN007 Architectural Design 7

The content of the unit is project-dependent.

Contact hours: 5 per week **Campus:** Gardens Point

ADN008 Architectural Design 8

The content of the unit is project-dependent.

Contact hours: 5 per week **Campus:** Gardens Point

ADN009 Architectural Design 9

Design projects and associated lectures and presentations relevant to developing the unit objectives. A high degree of resolution is expected in design projects in intellectual conceptualisation and strategy, spatial organisation, form, detail and technical understanding. Building economics, services, construction technology, theory and critical analysis will be integrated into the unit.

Contact hours: 5 per week **Campus:** Gardens Point

ADN013 Contextual Studies 3

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how traditional architecture is shaped by culture and society. It focuses on the geographic regions of the orient including China, Japan and Korea and that of South Asia including India, Nepal and Sri Lanka. Design of cities across geographic regions, including Europe, America, Australia and Asia are studied from an historical and contemporary perspective to understand city form, culture, politics, economics and function, ecology and sustainability.

Contact hours: 3 per week **Campus:** Gardens Point

ADN014 Contextual Studies 4

Contemporary Thinking and Architectural Culture. This unit aims to consolidate for students a theoretical contemporary framework in which to locate key moments in contemporary architectural and cultural production from diverse contexts. It introduces students to contemporary debates and endeavour to de-mystify the language of contemporary architectural ideas and aesthetics in order to promote self-directed interest in contemporary theory and criticism.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

ADN025 Technology and Science 5

This unit addresses building construction. It includes an overview of construction systems used in medium to high-rise commercial buildings, including analysis of principles, advantages, disadvantages and details of such systems. It also includes an integrated overview of medium to high-rise building services including hydraulics, lighting, electrical services, mechanical equipment and vertical transportation.

Contact hours: 3 per week **Campus:** Gardens Point

ADN026 Technology and Science 6

The topics in this unit include a case study of the building type being studied in ADB007, working with engineering consultants, and the programming of work.

Contact hours: 3 per week **Campus:** Gardens Point

ADN031 Professional Studies 1

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Contact hours: 3 per week **Campus:** Gardens Point

ADN033 Professional Studies 3

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Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

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definition of study area, research aims and objectives, initial proposition, structuring research approach, analysis, and preliminary conclusions based on the literature review.

Contact hours: 4 per week **Campus:** Gardens Point

ADN052 Architectural Research 2

Students continue their studies on an approved topic commenced in Architectural Research 1. By means of a thesis presentation, students demonstrate their ability to define and logically argue propositions, and to conduct research to prove its validity by means of a well-constructed research project that includes critical analysis.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ADN053 Architectural Project

The major project, selected by students and approved by the unit coordinator, will have a focus work study that demonstrates the particular skills and interests of the individual. This work should be completed to a highly developed and resolved standard.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ADN067 Elective Architectural Applications

This unit provides an opportunity for students to develop and strengthen areas of interest in a program of their choice, to be approved by the Course Coordinator. For example, it may be used to develop the Architectural Research 2 program to the presentation of a dissertation or enhance knowledge and skills in other subject areas.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

ADN796 Practice Experience B

This practice experience partnership with the architectural profession will enable the students to increase their skills in the practical application of theory in 'real life' architectural projects.

Credit points: 24 **Campus:** Gardens Point

ADN932 Professional Studies 2

This unit offers a self-paced national course (BPA 1) prepared by the RAIA as a basis for the formal examination for registration as an Architect. It covers the context of profession, professional ethics, and the range of professional services from engagement to completion of a project. Completion of course will attract RAIA certification.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ADP107 Interior Design 7

This unit provides students with the opportunity to pursue a topic of personal and professional relevance in consultation with staff. The topic will form the focus of a major design/research project incorporating this unit and ADP108. The unit covers topic identification, qualification and substantiation, context exploration, and consolidation.

Corequisite(s): ADP161 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

ADP108 Interior Design 8

This unit provides students with the opportunity to develop an in-depth understanding of an area of interior design of personal and professional relevance in consultation with staff. The unit covers project development and the exploration of associated issues.

Prerequisite(s): ADB107 **Corequisite(s):** ADP162

Contact hours: 3 per week **Campus:** Gardens Point

ADP114 Professional Studies 1

This unit addresses the following topics: the interior design profession, its organisation and theoretical and practical relationship with other professions and disciplines; professionalism incorporating ethics, industry product safety standards and continuing education; specific responsibilities involving brief development; post-occupancy evaluation.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ADP155 Interior as a Construct 1

Designers require a deep conceptual understanding of the relationship between artefact and culture and they need a vehicle for supporting this development. The focus in this unit is on the conservation of historic interiors and includes: historic interior exemplars; social and cultural identity; conservation; preservation and restoration; relevant charters and policies.

Contact hours: 4 per week **Campus:** Gardens Point

ADP156 Interior as a Construct 2

In this unit, stage design will be used as a frame-of-reference for exploring various aspects of person-environment interaction such as play and imagining. In addition, the unit provides a basis for exploring notions of temporary, transitory space and virtual reality.

Contact hours: 4 per week **Campus:** Gardens Point

ADP161 Interior Research 1

This unit provides methodological support for the major project in ADP107. It includes the following: empirical research with an emphasis on qualitative research relevant to person-environment interaction; research rigour incorporating attention to validity, reliability and generalisation; advanced information retrieval; literature search and review.

Corequisite(s): ADP107 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ADP162 Interior Research 2

This unit provides methodological support for the major project in ADP108. The ability to undertake empirical research is considered an integral aspect of responsible designing. The unit content covers data collection, analysis and reporting.

Corequisite(s): ADP108 **Contact hours:** 4 per week **Campus:** Gardens Point

ADP207 Industrial Design 5

The studio exercises to which most of the time is devoted in this unit aim to the design of products or systems in depth. The emphasis is on integration of knowledge and skills acquired in the previous semesters, including the following: design process and creative thinking; applied research, creativity and product innovation; work with a client;

multidisciplinary teamwork; product integration and development; design ethics and culture; the designer's responsibilities toward the environment.

Contact hours: 4 per week **Campus:** Gardens Point

ADP217 Professional Practice and Management

This unit addresses the following topics: the role of professional practice management; management of design projects; types of contracts; design documentation; the role of design administration; liability; design law; intellectual property; designer-client relationships.

Contact hours: 3 per week **Campus:** Gardens Point

ADP218 Advanced Ergonomics

This unit addresses the basics of cognitive ergonomics, product useability evaluation methods and their applications, and case studies.

Contact hours: 4 per week **Campus:** Gardens Point

ADP247 Advanced Computer Aided Industrial Design

This unit introduces parametric based modelling, hybrid based modelling, application of rapid prototyping and rapid tooling to the design process, and the application of concurrent engineering to the design process.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

ADP267 Industrial Design Research 1

The unit allows applied research to be selected by a student, approved and supervised by the industrial design staff. External specialists may be involved as required.

Contact hours: 5 per week **Campus:** Gardens Point

ADP268 Industrial Design Research 2A

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 will be approved and supervised by the industrial design staff.

Prerequisite(s): ADP207, ADP267 **Corequisite(s):** ADP269 **Contact hours:** 4 per week **Campus:** Gardens Point

ADP269 Industrial Design Research 2B

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 will be approved and supervised by the industrial design staff.

Prerequisite(s): ADP207, ADP267 **Corequisite(s):** ADP268 **Contact hours:** 4 per week **Campus:** Gardens Point

ADP932 Professional Studies 2

This unit offers a self-paced national course (BPA 1) prepared by the RAIA as a basis for the formal examination for registration as an Architect. It covers the context of profession, professional ethics, and the range of professional services from engagement to completion of a project. Completion of course will attract RAIA certification.

Contact hours: 4 per week **Campus:** Gardens Point

ADP943 Elective 3

The student chooses elective units to extend and expand an area of knowledge or experience to develop in depth a

particular professional expertise. These units may be drawn from an existing range of units available within the Faculty and University. The electives are to be approved by the Course Coordinator.

Contact hours: 3 per week **Campus:** Gardens Point

AMB200 Consumer Behaviour

This unit provides students with the fundamental theories and models to develop a sound understanding of consumers, their needs, and behaviours. It provides a detailed examination of the consumer decision process and the internal and external influences on this core decision process. The unit also assists students in applying this knowledge to the development, implementation and evaluation of marketing activities within an organisation.

Prerequisite(s): BSB126 or CTB126 or BSB116 or BSB117

Credit points: 12 **Contact hours:** 3 per week

Campus: Gardens Point **Incompatible with:** MIB204 or CTB200

AMB201 Marketing and Audience Research

This unit provides an introduction to the conduct and evaluation of marketing and audience research across the disciplines of advertising, marketing and public relations. Class members explore how field studies, survey and experimental research are employed to support advertising, marketing and public relations information needs. The unit provides an overview of research process, research design, methods of data collection and analysis, and the development of research proposals to support decision-making. Class members also explore issues related to research on media audiences, research ethics, and the management of client briefings.

Prerequisite(s): BSB126 or CTB126 or BSB116 or BSB117

Credit points: 12 **Contact hours:** 3 per week

Campus: Gardens Point **Incompatible with:** MIB305, MGB220 or COB334 or CTB201

AMB202 Integrated Marketing Communication

In past decades many organisations separated the different forms of marketing communication that convey their corporate and marketing messages. They developed separate plans for their advertising, public relations, direct marketing, personal selling and sales promotion with separate goals, objectives, strategies and budgets. Today many companies recognise the concept of integrated marketing communication which integrates these different functions along with other aspects of the marketing mix that communicate with stakeholders and customers. Integrated marketing communication requires a 'total' approach to planning marketing communication programs and coordinating communication strategies in support of overall brand and product/service marketing objectives.

Prerequisite(s): BSB126 or CTB126 or BSB116 or BSB117

Credit points: 12 **Contact hours:** 3 per week

Campus: Gardens Point **Incompatible with:** COB207, MIB309

AMB203 Independent Study

An opportunity for advanced level undergraduate students to undertake individual research in an area which is complementary to their course work.

Prerequisite(s): Prior approval from the Head of School

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** COB206

AMB204 Purchasing and Procurement

This unit examines the nature and importance of Procurement in the role of business today. Procurement has become increasingly important and valued by organisations that are part of global supply chains. The management and strategic control of procurement functions in modern businesses adds profit through cost control in businesses and that has gained significance in the drive to maintain profit in internationally competitive markets. Modern procurement professionals require the use of many skills to achieve these outcomes and this unit introduces students to the functions of purchasing and procurement in an organisation.

Prerequisite(s): BSB119 or CTB119 **Credit points:** 12
Incompatible with: IBB312

AMB206 Social Marketing

Social marketing is the application of commercial marketing principles to solve social problems. It is increasingly being adopted by governments around the world as they seek effective solutions relating to public health and climate change, environmental issues. This unit introduces students to the theory and application of social marketing, explaining how techniques such as branding, segmentation and the marketing mix can be used to respond to social and health issues. Students will learn to analyse real world problems and develop innovative and creative solutions using social marketing frameworks. This is an elective unit for business and public health students

Prerequisite(s): BSB126 or CTB126 **Credit points:** 12

AMB207 Entertainment Marketing

The entertainment industry is the second largest in the world, worth nearly US\$2 Trillion and offers great opportunities. However the marketing of entertainment provides some unique challenges to the application of marketing tools. Students will complete a marketing case study that will clearly demonstrate to potential employers that students have the necessary skills and abilities to work in an entry-level position/analytical role within a marketing department in the entertainment or arts field.

Prerequisite(s): BSB126 or CTB126 **Credit points:** 12

AMB208 Events Marketing

Prerequisite(s): BSB126 or CTB126 **Credit points:** 12

AMB209 Tourism Marketing

Prerequisite(s): BSB126 or CTB126 **Credit points:** 12

AMB210 Importing and Exporting

Trade has become fundamental to the survival and growth of many businesses in Australia as well as other economies. International business students need an understanding of the many challenges entailed in the management of trade. Import and export practice is an applied, technical and evolving area of international business operations that reflects the dynamic nature of trans-national trade in the global economy. This unit examines the importance of importing and exporting for Australia's economic development.

provides key information related to importing and exporting, uses industry perspectives on issues of current importance in international trade and provides a structured tutorial programme to achieve this.

Prerequisite(s): BSB119 or CTB119 **Credit points:** 12
Incompatible with: IBB210

AMB220 Advertising Theory and Practice

This unit serves as an introduction to later units in the advertising major and gives learners an overview of the advertising industry and the management of the advertising function. The unit traverses the interrelationship of the institutions of advertising, the advertisers, the advertising agencies and the media. It introduces research and details methods of determining advertising objectives, budgets, establishing target audiences, interpreting audience ratings and circulation figures, and enables learners 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 society and the economy.

Prerequisite(s): BSB126 or CTB126 or BSB116 or BSB117 or 48 credit points of approved prior study for non-Bachelor of Business students only **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: COB308

AMB221 Advertising Copywriting

There are two parts to any copywriting process the thinking and the writing. In the first part, students learn to solve advertising problems through an understanding of the prospect and the product and the formulation of incisive creative strategy. In the second part, creative thinking techniques are applied and advertising concepts emerge from the creative strategy. Students' thinking and writing skills are refined in weekly workshops and culminate in a group project.

Prerequisite(s): AMB220 or COB308 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** COB304

AMB222 Media Planning

This unit introduces the qualitative and quantitative factors affecting media selection and use by advertisers. It covers the costing and scheduling of media, market targeting, measuring media exposure, media comparisons and trends. In-depth analysis of advertising media will allow learners to develop an understanding of the characteristics of each. The application of the concepts of media decision making, media strategy and research to the development of a media plan are emphasised.

Prerequisite(s): AMB220 **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** COB317

AMB230 Digital Promotions

This subject addresses an important area of business activity and explores the way in which the Internet is changing marketing practice. The foundations of promotion are examined and applied online. The nature, history, and social implications of the Internet are explored. The promotional mix is analysed with a strong focus on developing successfully integrated web sites for organisations. Learners will develop skills in strategic

planning, creative strategy, design, web development as it relates to advertising and promotion, research, and campaign evaluation. Learners will gain important skills in the planning, developing and marketing of websites.

Prerequisite(s): BSB126 or CTB126; or BSB112 and BSB117; or 48 credit points of approved prior study for non-Business students only **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** COB218

AMB231 Marketing Communications Regulations and Ethics

This unit uses a case study approach and starts from the fundamentals of legal compliance through trade practices and fair trading legislation, then moves to the adoption and adherence of the variety of industry based and professional codes. It examines regulatory models in sunrise industries such as broadcasting and telecommunications as well as the problems of cross-jurisdictional regulation posed by Internet based commerce. It offers students the opportunity to develop generic attributes in critical thinking, problem solving, and ethical sensitivity.

Prerequisite(s): AMB202 or AMB220 or AMB240 or CTB240 or AMB260 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** COB307

AMB240 Marketing Planning and Management

This unit extends the student's knowledge of the fundamental marketing concepts and theories introduced in the Faculty Core unit in Marketing, by adding further breadth and depth of knowledge of marketing and developing skills in the application of this knowledge to marketing planning and management within the business environment. Emphasis is on the role of the marketing manager at the product management level in undertaking analysis, planning, implementation and control of marketing activities.

Prerequisite(s): BSB126 or CTB126 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB217 or CTB240

AMB241 E-Marketing Strategies

E-Business and mobile commerce technologies have emerged as defining technologies for companies in the 21st century. This unit focuses on e-marketing applications and strategies and the marketer's role in developing solutions that integrate new and old economies. Drawing on their knowledge of marketing principles, students will examine the diverse applications of technology in product and service design; product distribution/service delivery and logistics; promotional strategies and other marketing components. The unit also explores the role of emerging electronic models and the use of e-marketing strategies to achieve global competitive advantage.

Prerequisite(s): BSB116 or BSB126 or CTB126; and AMB240 or CTB240 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB224

AMB249 Professional Selling

Many students land their first job in a graduate sales position. Professional selling equips students with a contemporary understanding and knowledge of customer relationship management, the sales force environment,

personal selling techniques and communications skills. Further, students will be exposed to international benchmarks from a selling processes perspective such as identifying prospects, planning sales calls, demonstrations, negotiations, and closing the sale. There are many exciting and challenging roles in sales, some of which are: sales representative, sales team leader, client account manager, and eventually: regional, state, national and international sales management positions.

Prerequisite(s): BSB126 or CTB126 or BSB116 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point **Incompatible with:** MIB230

AMB250 Business to Business Marketing

This unit addresses the special characteristics of Business markets and Business-to-Business (B2B) marketing programs. It involves the study of organisational buyer behaviour and the special customer/client relationships that form an important part of the Business-to-Business marketing process. Business markets constitute a powerful and essential part of the world economy, being a preliminary source for retailing and manufacturing operations and the force behind major services sectors in supplying government and non-government services including health and education both domestically and internationally.

Prerequisite(s): AMB202 or AMB240 or CTB240 or COB207 or MIB217 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB220 or MIB319

AMB251 Innovation and Brand Management

This unit covers the dynamics of product and service innovation within the marketing function of an organisation. Products are defined in the broadest sense as both tangible and intangible and include the various categories of consumer and industrial products and services. The course covers product market analysis, the product/service development process, design, innovation, research and testing, new product financial analysis, branding and packaging, and new product commercialisation.

Prerequisite(s): BSB126 or BSB116 or CTB126 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB227

AMB252 Business Decision Making

Prerequisite(s): BSB126 or CTB126 **Credit points:** 12

AMB260 Public Relations Theory and Practice

This unit introduces the student to the theory and research that serves as the foundation of the practice of public relations. The unit surveys the history of the discipline, the theories on which the discipline is based, and current models of practice. The unit focuses on understanding how to research and analyse the opinions of organisational publics in order to develop mutually beneficial relationships with those publics.

Prerequisite(s): BSB126 or BSB116 or BSB117 or CTB126 or 48 credit points of previous study for non-Business students only **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** COB325

AMB261 Media Relations and Publicity

This unit will reflect the strong emphasis within public relations practice of media relations. It will introduce students to the theory of media effects and the role of mass media in public opinion formation and how these concepts contribute to campaign planning. It will also provide students with practical instruction in the development of media tools including media releases, media kits and media plans, and the use of publicity events in campaigns. New/interactive media will also be addressed.

Prerequisite(s): AMB260 **Contact hours:** 3 per week

Campus: Gardens Point **Incompatible with:** COB329

AMB262 Public Relations Writing

This unit will introduce students to a range of public relations writing needs. With heavy practical emphasis, the students will create a substantial portfolio of writing across controlled and uncontrolled media. Writing for print and electronic forms is covered as well as new/interactive media. The writing process will be examined from the perspective of audience needs and emphasis will be placed on the research components of the writing exercise as well as the writing/rewriting cycle.

Prerequisite(s): AMB260 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

Incompatible with: COB326

AMB263 Introduction To Public Relations

This unit introduces students to the theory and practice of public relations, the discipline that deals with the creation, maintenance, and enhancement of relationships between organisations and their publics. Topics covered include publicity, events, and public opinion. This unit may be taken concurrently with AMB264 Public Relations Techniques especially by students undertaking a public relations major. However, it may also be taken by those students doing a public relations minor, or as a stand alone unit by those students in a wide variety of study disciplines who wish to understand more about this important area of business.

Prerequisite(s): BSB126 or CTB126 or BSB116 or BSB117

Credit points: 12 **Incompatible with:** AMB260

AMB264 Public Relations Techniques

This unit offers an introduction to the main tactics and techniques used in public relations. Topics covered include the development of message strategies as well as a specialised focus on the production of examples of a variety of written public relations genres such as brochures, speeches, and media releases. This unit may be taken concurrently with AMB263 Introduction to Public Relations especially by students undertaking a public relations major. However, it may also be taken by those students doing a public relations minor, or as a stand alone unit by those students in a wide variety of study disciplines who wish to improve and enhance their communication skills.

Prerequisite(s): BSB126 or CTB126 or BSB116 or BSB117

Credit points: 12

AMB300 Independent Project 1

Prerequisite(s): Subject to Unit Coordinator approval.

Credit points: 12

AMB301 Independent Project 2

Prerequisite(s): Subject to Unit Coordinator approval

AMB302 Project

Prerequisite(s): Subject to Unit Coordinator approval

AMB303 International Logistics

This unit examines international logistics through the concepts of international distribution channels and international supply chain management. Strategy in managing international logistical constraints is emphasised with practical studies of contemporary international supply chain management in international industries. Traditional costs and financial aspects of supply chain management are considered. Contemporary issues are incorporated including: the impact of e-business on international logistics; the evolution of new technologies for 'smart' packaging, warehousing and international stock control; the combination of international services with goods products; recent technological developments in international transportation and product quality control.

Prerequisite(s): AMB210 or IBB210 or AMB240 or CTB240

Credit points: 12 **Incompatible with:** IBB303

AMB310 Internship

Provides 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 Advertising, Marketing or Public Relations 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. Students must obtain the approval of the Major Coordinator prior to enrolling in this unit.

Prerequisite(s): Subject to Unit Coordinator approval

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** COB320; COB321; MIB308

AMB313 International Marketing**AMB318 Advertising Copywriting**

Prerequisite(s): AMB220 or COB308 **Credit points:** 12

Incompatible with: AMB221

AMB319 Media Planning

Prerequisite(s): AMB220 **Credit points:** 12

Incompatible with: AMB222

AMB320 Advertising Management

This unit takes the perspective of the Advertising Manager and addresses the use of research in developing, implementing, managing, and assessing a successful advertising campaign. In Advertising Management, learners use the case method of learning to examine the advertising process from its place in the marketing mix to the formulation of objectives, strategy and budget to the development of creative and media tactics and their ongoing evaluation. In addition, issues that impinge upon the advertising campaign management process such as legal and ethical issues, globalisation and the client-agency relationship are discussed.

Prerequisite(s): AMB318 and AMB319 or AMB221 and AMB222 **Credit points:** 12 **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** COB306

AMB321 Advertising Campaigns

This capstone advertising unit draws from all the theoretical, analytical, and applied material developed throughout the advertising major, and applies it to a client brief. Learners develop advertising solutions that incorporate all aspects of an advertising campaign, including objectives, budgeting, message development, message delivery, and measurement. The key emphasis is on the use of research to develop sound advertising strategy, which is then executed as creative and media ideas and evaluated through ongoing benchmarks.

Prerequisite(s): AMB221 and AMB222 **Corequisite(s):** AMB320 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** COB303

AMB330 Advertising Planning Portfolio

This advanced unit builds on the theoretical perspectives and applied skills introduced to students in copywriting, media and advertising management. It explores important issues such as the contribution of research to the creation of advertising; the hierarchical development of strategy from marketing and IMC strategy through to advertising, media and creative strategy; the role of the strategic planner in advertising; the use of planning to deliver more effective advertising solutions. Using problem-based learning, students establish benchmarks to evaluate advertising, develop advertising briefs and devise strategies for on-time and on-budget process management.

Prerequisite(s): AMB318 and AMB319 or AMB221 and AMB222 **Credit points:** 12 **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** COB300

AMB331 Direct Marketing

The discipline of Direct Marketing has grown in importance because of its precise targeting, easy accountability, its foundations role in Integrated Marketing Communication (IMC), and its increasing share of the marketing communication budget. This unit focuses on the principles of direct marketing and the role of the database in locating prospects, tracking customers, and building relationships. It examines the components of direct marketing telemarketing, personal selling, and direct response advertising. As the main communication discipline of direct marketing, the emphasis is on direct response advertising. Students analyse the offer planning, strategy, creative, media, testing, and evaluation of direct marketing campaigns.

Prerequisite(s): AMB202 or AMB220 or AMB240 or CTB240 or AMB249 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** COB315

AMB335 E-marketing Strategies

Prerequisite(s): AMB240 or CTB240 and AMB201 or CTB201 **Credit points:** 12 **Incompatible with:** AMB241

AMB336 International Marketing

Prerequisite(s): AMB240 or CTB240 or AMB210 or IBB210 **Credit points:** 12 **Incompatible with:** IBB213

AMB339 Advertising Campaigns

Prerequisite(s): AMB320 and AMB330 **Credit points:** 12
Incompatible with: AMB321

AMB340 Services Marketing

This unit explores the special characteristics of services that distinguish the marketing of services from goods. Topics include: the distinctive aspects of consumer decision-making relative to services and the implications for marketing strategy formation; the management of demand and supply; customer services and its influence on service satisfaction; service quality management and measurement; internationalisation of the service sector and distribution modes for services that reflect the significant impacts of new technologies on service delivery.

Prerequisite(s): AMB240 or CTB240 and AMB201 or CTB201 **Credit points:** 12 **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** MIB311, CTB340

AMB341 Strategic Marketing

Emphasis of the capstone Marketing unit is on the role of marketing manager at the corporate and strategic business unit/division levels. Students are exposed to a variety of strategic marketing techniques and issues, and learn how to apply these in corporate planning and management. Topics include: developing and critiquing strategic marketing planning models; recognising the importance of market focus; determining what marketing strategy can realistically be accomplished for a business; identifying underlying factors that must be considered in developing marketing strategy for a market-oriented organisation; discussing problems in successful implementation of marketing strategy; and organising for successful strategy implementation.

Prerequisite(s): AMB240 or CTB240 or MIB217 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: MIB315, CTB341

AMB350 Sales and Customer Relationship Management

Theories related to marketing exchange and the concepts of consumer transactions and relationships and their relative importance in different marketing contexts are examined. The growth of customer relationship management including the transition of consumers along the transaction-relationship continuum and the development of accompanying marketing strategies is highlighted. A discussion of the relative emphasis on transactions and/or relationships in interfacing with the market provides a platform for examining sales management including, personal selling principles and ethics, the setting of sales objectives, selling logistics, account and territory management, sales force planning, recruitment and motivation and evaluation of sales performance.

Prerequisite(s): AMB240 or CTB240 or AMB202 or COB207 or MIB217 or AMB249 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: MIB230

AMB351 Tourism Marketing

This unit examines the tourism system and the unique characteristics of tourists, segmentation bases for tourist

markets, the nature of the tourist destination mix and how marketing is applied within elements of that mix. Services marketing concepts and theories of tourist behaviour are utilised in the analysis of the tourism experience; processes of destination and product development to meet market needs; and, strategy development to accommodate domestic and international tourism marketing environments. Macro-environmental issues impacting on tourism, such as sustainability of the industry and environment, the socio-political context in which marketing occurs and global trends in travel are also explored for their marketing implications.

Prerequisite(s): AMB240 or CTB240 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB321

AMB352 Marketing Decision Making

The nature of decisions and decision models in specific strategic and tactical areas of marketing management are examined in this unit. Decisions related to sales forecasting, market analysis, product planning, pricing, promotion and distribution are viewed from quantitative and qualitative perspectives. Students are exposed to computer software and analysis skills that aid the marketing decision process and build their analytical skills of direct relevance in marketing practice. The unit also embraces the analysis and application of marketing information systems including database marketing and the Internet as a marketing information resource.

Prerequisite(s): AMB240 or CTB240 or MIB217 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB320, MIB216

AMB353 Retail Marketing

This unit focuses on the dynamics of the retailing industry. It provides students with detailed knowledge of the various approaches to how retail marketing is conducted nationally and internationally from both an operational and a strategic perspective. The unit provides a balance of theory and application in topics such as retail institutions and the retail life cycle, store location analysis, store layout, planning and design, merchandising, promotion and stock planning, franchising and industry trends.

Prerequisite(s): AMB240 or CTB240 or MIB217 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB229, MIB310

AMB354 Events Marketing

Events have become significant strategic marketing tools for positioning products/services, industries, destinations and community interests at the local, national and global levels. The unit initially explores various types, roles and objectives of events and the profile and motives of event markets and stakeholders. Key topics include: processes of attracting or developing the event experience including bidding processes; partnership creation with sponsors, media and community; venue selection and design relative to market/stakeholder needs; ticketing/pricing or access management and imaging the event from an integrated marketing communication perspective. Local and international cases are used.

Prerequisite(s): AMB202 or AMB240 or COB207 or CTB240 or MIB217 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB319

AMB359 Strategic Marketing

Prerequisite(s): AMB340 and (AMB335 or AMB241) **Credit points:** 12 **Incompatible with:** AMB341

AMB360 Corporate Communication Management

The unit explores the corporate communication management function within an organisation and identifies how decisions about the use of various corporate communication solutions are made. Emphasis is placed on the role of corporate communication in management systems, the nature and processes of information management in corporate communication and environmental analysis. The unit also draws on contemporary issues in corporate communication management including issues management, ethical and legal considerations in practice and the role of corporate communication in organisational change.

Prerequisite(s): AMB261 and AMB262 **Contact hours:** 3 per week **Campus:** Gardens Point

AMB361 Public Relations Campaigns

This unit focuses on the public relations campaign planning process from problem identification and research through to strategy development, campaign development and evaluation. It is designed to meet the students' interests in understanding how various campaign elements come together and to test their ability to integrate their prior learning in the introductory theory and practice units. To service the practice elements of public relations implementation, the unit incorporates a number of client service aspects. Students are expected to research, develop and present their plans. This unit incorporates real world clients to enhance the students' portfolios.

Prerequisite(s): AMB201 or MGB220 or CTB201, AMB261 and AMB262 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** COB323, AMB381

AMB369 International Business Strategy

This unit focuses on the definition and implementation of corporate strategy for worldwide operations. As the capstone unit in the International Business major, it is designed to build upon the knowledge base of previous units, introducing you to the strategic management of firms, and engage you in the strategic choices which international managers face in the international environment.

Prerequisite(s): AMB303 or IBB303 or AMB336 or IBB213 **Credit points:** 12 **Incompatible with:** IBB300

AMB370 Public Relations Cases

This unit will provide students with an understanding of a wide range of public relations challenges in order to build a better range of experience with management level organisational issues. Australian and international cases will be used to explore different components of public relations practice.

Prerequisite(s): AMB261 or AMB262 **Contact hours:** 3 per week **Campus:** Gardens Point

AMB371 Corporate Communication Strategies

This unit provides students with an understanding of the development and analysis of communication strategy in

public relations and corporate communication. Students learn theory and practice for systematic analysis of the "fit" between environmental factors and organisational resources, the resulting communication problems and development of communication strategies. Students integrate theory and research in such areas as media effects, organisational change, diffusion, and persuasion for analysis and development of communication strategy.

Prerequisite(s): AMB360 or AMB361 **Contact hours:** 3 per week **Campus:** Gardens Point

AMB372 Public Relations Planning

This unit introduces students to the public relations planning process. Students build skills in planning by analysing the components, execution and evaluation of contemporary public relations campaigns. The public relations planning process, partnered with theoretical concepts and ethical considerations, is examined across practice contexts and areas.

Prerequisite(s): AMB263 and AMB264 and AMB201 or CTB201 OR AMB261 and AMB262 and AMB201 or CTB201 **Credit points:** 12

AMB373 Corporate Communication

Corporate Communication provides students with the opportunity to build on and apply their understanding of public relations to an in-house corporate role. Students gain an overview of an organisation relevant to the practice of public relations at a senior level in organisations by investigating internal communication processes, corporate reputation, corporate social responsibility, organisational culture and change and issues and crisis management.

Prerequisite(s): AMB263 and AMB264 OR AMB261 and AMB262 **Credit points:** 12 **Incompatible with:** AMB360

AMB374 Global Public Relations Cases

Global Public Relations Cases will apply the theoretical underpinnings of generic practice to specialist areas. Exposure to real-world global situations and public relations responses will improve students' familiarity with the public relations discipline's practice and strengthen students' decision-making and critical thinking skills.

Prerequisite(s): AMB372 or AMB261 or AMB262 **Credit points:** 12 **Incompatible with:** AMB370

AMB375 Public Relations Management

This unit develops student skills in the analysis of public relations public relations programs in line with corporate strategy, integrating long term planning with issue assessment and response. Students extend analytical, interpretive and management skills in the public relations role.

Prerequisite(s): (AMB372 & AMB373) or AMB360 **Credit points:** 12

AMB379 Public Relations Campaigns

As the capstone unit, Public Relations Campaigns sees the student bring together the design, strategic planning and tactical preparation that underpins an effective public relations campaign. Students research, develop and present their plans for a real world client, enhancing their portfolio prior to graduation.

Prerequisite(s): AMB374 or AMB370 and AMB201 or CTB201 **Credit points:** 12 **Incompatible with:** AMB361

AMN400 Consumer Behaviour

This unit provides an introduction to the area of consumer behaviour and a forum for discussion of theory and research in the field. The current state of consumer behaviour research will be reviewed and some of the emerging trends in the area are explored through several avenues of assessment. The unit provides the environment for students to conduct their own research in areas that are relevant, of interest to them and reflect the interdisciplinary nature of consumer behaviour.

Prerequisite(s): Postgraduate enrolment **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIN419

AMN401 Integrated Marketing Communication

Integrated marketing communication (IMC) is a new discipline that seeks synergistic effect from integrating traditional marketing communication disciplines. This unit explores the development of IMC, looking at reasons for growth, barriers to implementation and organisation issues. Students are introduced to the strategic foundations of IMC, from consumer behaviour, to marketing strategy, to IMC campaign evaluation. The disciplines of advertising, public relations, direct response and sales promotion are then explored to highlight how each contributes to IMC planning.

Prerequisite(s): Postgraduate enrolment **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** CON421

AMN402 Events Marketing and Management

Prerequisite(s): PG only **Credit points:** 12 **Contact hours:** 3 per week **Incompatible with:** AMN488, AMN489

AMN403 Marketing and Survey Research

This unit provides a detailed overview of marketing research to support decision making in the areas of advertising, integrated marketing communication, marketing and public relations. The unit builds an advanced understanding of the use of survey research to support the descriptive and predictive information needs of management in such areas as consumer opinions and behaviour, and stakeholder analyses. Students will explore issues related to survey research design, questionnaire development and administration, sampling, measurement, data analysis including descriptive and multivariate statistics and presentation of research results.

Prerequisite(s): Postgraduate enrolment **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIN413

AMN404 Readings in Integrated Marketing Communication

The unit provides participants with the opportunity to make a detailed exploration of the literature on a particular topic or problem in the area of Integrated Marketing Communication under the direction of a supervisor. The readings integrate and consolidate theory and research related to IMC and from other studies undertaken in the course. Students

undertake a formal and systematic review of literature in a particular problem area of IMC related to their interests, project or thesis. Students may also explore work covered in other specialisations.

Prerequisite(s): AMN401 **Credit points:** 12 **Contact hours:** Supervision only, Lecture in Week 1 **Campus:** Gardens Point **Incompatible with:** CON416

AMN405 Cases in Integrated Marketing Communication

This unit provides students with the opportunity to explore a range of topics related to the integration of the elements of the promotional mix-advertising, personal selling, reseller support, publicity, direct marketing, and sales promotion. Through the use of intensive case study analysis and discussion, students will refine conceptual understanding and analytical skills to explore such IMC topics as brand equity and IMC, IMC approaches to promotions management, organisational issues related to structuring corporate IMC functions, environmental analysis and database marketing to inform IMC planning, and IMC strategies and the development of corporate advantage.

Prerequisite(s): AMN401 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

AMN406 Project

In this unit, students examine in detail a theoretical or empirical problem in one of the disciplines of advertising, marketing, public relations, or integrated marketing communication. The study is based in the published journal literature of the discipline and can involve primary research and analysis. Students can develop a communication audit of an organisation or a case study related to an organisation product or issue. Project supervision will be arranged by the Unit Coordinator through consultation with the student and available staff members.

Prerequisite(s): Postgraduate enrolment with 96 credit points of approved prior studies **Credit points:** 24 **Contact hours:** 2-6 per week **Campus:** Gardens Point **Incompatible with:** CON405

AMN411 Independent Study

An opportunity for advanced level postgraduate students to undertake short-term, individual studies focusing on a problem area of advertising, marketing, public relations or integrated marketing communication.

Prerequisite(s): p/g enrolment only **Credit points:** 12 **Campus:** Gardens Point

AMN420 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.

Prerequisite(s): Postgraduate enrolment **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** CON417

AMN421 Contemporary Issues in Advertising

This unit surveys the intellectual foundations of a number of contemporary issues emerging within the advertising discipline and provides sophisticated, systematic explanations of their societal implications and consequences. It also explores how these issues are addressed by business, government and organisation.

Prerequisite(s): Postgraduate enrolment **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** CON412

AMN422 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.

Prerequisite(s): p/g enrolment only **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** CON418

AMN423 Strategies for Creative Advertising

This unit explores the substantive body of academic research on creative advertising. It follows the creative process, beginning with the development of creative strategy and concluding with campaign evaluation. Through cases and presentations, student examine how copywriters think, the illumination of the 'big idea' and its execution across the very diverse advertising media.

Prerequisite(s): p/g enrolment only **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** CON419

AMN435 Communication, Negotiation and Leadership

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point **Incompatible with:** Nil

AMN442 Marketing Management

The study of marketing, marketing systems and marketing management and marketing planning within contemporary structure of social, cultural, political, economic, business and organisational environment. Concepts are applied through the study and construction of a marketing plan, which involves market and sales analysis, target market strategies, tactical decision planning, and implementation and control. Marketing management concepts are applied to virtual and physical markets and attention is given to a range of skills in finance, human resources, information and other skills needed by marketing managers in these markets.

Prerequisite(s): p/g enrolment only **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIN422

AMN443 Product and Service Innovation

This unit examines the dynamics of innovation and development within the mix of core marketing activities of

organisations. Once establishing the integral role innovation plays in organisations, the unit also reviews the key stages in the process of creating, developing and implementing new product and service concepts including product, service and market analysis, design, innovation, evaluation and testing of ideas, branding and packaging, market testing and investment analysis.

Prerequisite(s): Postgraduate enrolment **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: MIN423

AMN444 Services Marketing

This unit introduces a framework for studying services and explores both strategic and operational issues including the design and delivery of services; the formulation of communication strategies; definition, measurement and implementation of customer focused marketing programs in service industries; the establishment and maintenance of relationships with customers.

Prerequisite(s): AMN442 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: MIN424

AMN445 Strategic Marketing Management

This is a capstone unit which 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 are drawn, so that the student would be in a position to move into top management if the opportunity arose.

Prerequisite(s): AMN442 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: MIN425

AMN447 Contemporary Issues in Marketing

This unit offers advanced study of topical issues and emerging trends in marketing practice as a result of new technologies, current events and their impact on local, national and international enterprises. In depth interaction with business and public policy leaders expands students research, reflection and strategic thinking abilities.

Prerequisite(s): Postgraduate enrolment **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: MIN407

AMN460 Corporate and Investor Relations

This unit reviews all aspects of the public relations function in communicating with corporate audiences. Specific focus is placed on how corporate entities meet both regulatory and promotional requirements in communicating with special interest groups including shareholders and employees. Suitable communication tools are examined for use in ongoing communication programs.

Prerequisite(s): p/g enrolment only **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: CON409

AMN461 Corporate Media Strategy and Tactics

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 this unit. Students develop strategic thinking through analysis of contemporary media case studies.

Prerequisite(s): p/g enrolment only **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: CON424

AMN462 Community Consultation and Engagement

This unit introduces students to key engagement strategies of community information, consultation and participation. The unit develops student understanding of the theoretical foundations of engagement strategies and provides the skills and knowledge for students to analyse community engagement needs and establish engagement programs. Ethical practice is a key organising framework for this unit.

Prerequisite(s): Postgraduate enrolment **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point
Incompatible with: Nil

AMN465 Public Relations Management

This unit provides learners with an overview of the theory and research that constitute the foundations of public relation practice. The unit provides a detailed inspection of communication processes necessary for the management of organisational relationships with publics. The unit focuses on such topics as issues management, organisational change, public opinion, and mass media effects in order to explore the foundations of contemporary public relations management.

Prerequisite(s): Postgraduate enrolment **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: CON415

AMN467 Public Relations Campaigns

This unit provides a systematic exploration of the planning, management and evaluation of public relations campaigns and programs. The primary goal of the unit is to build a detailed understanding of existing theory and research that informs the development and evaluation of public relations campaigns. The unit focuses on key problem areas of campaign management including strategy, design and evaluation.

Prerequisite(s): Postgraduate enrolment **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

AMN468 Issues and Crisis Management

This unit examines the strategic management of crisis communication including for organisations. A strategic planning approach will be covered including organisation analysis, issues identification, audience prioritisation, strategy formulation, tactical planning and implementation and evaluation. Pre-crisis issues in management will be addressed as well as proactive and defensive communication strategies during crisis. The unit will demonstrate the application of general communication tools to a specialised area.

Prerequisite(s): Postgraduate enrolment **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

Incompatible with: CON408

AMN488 Events Marketing

This unit introduces a framework for studying services and explores both strategic and operational issues including the design and delivery of services; the formulation of communication strategies; definition, measurement and implementation of customer focused, marketing programs in service industries; and the establishment and maintenance of relationships with customers.

Contact hours: 3 per week **Campus:** Gardens Point

AMN489 Events Management

This unit builds an understanding of the fundamental principles of events management. The unit focuses on the application of concepts and theories that serve as the foundation for events management as they relate to a business environment. Emphasis is on building an understanding of the role of the events manager in terms of the analysis, planning, implementations and control of event activities.

Contact hours: 3 per week **Campus:** Gardens Point

ARB083 Urban Design Masters Studio

This unit is an advanced level urban design project, supported by seminars presented by staff, students and visiting lecturers and distinguished practitioners. This studio focuses on changes in the production and consumption of the city, including the effects of globalisation, space-time compression, economic rationalism, and the privatisation of space, services and professional activities.

Campus: Gardens Point

AYB114 Business Technologies

This unit looks at the ways in which organisations adopt and use various electronic business applications in areas of e-commerce, business-to-consumer, business-to-business and intra-business relations. Business models and their impact in various industries are analysed, enabling students to assess the underlying business case, and determine the model's viability in a competitive environment. The issues associated with front-end and back-end e-business applications are considered.

Prerequisite(s): NIL **Credit points:** 12 **Incompatible with:** BSB212

AYB115 Governance Issues and Fraud

This unit introduces students to a wide range of information technology governance issues which confront business professionals during the implementation and operation of e-business strategies. It aims to provide e-business and IT professionals with an understanding of current IT governance frameworks and to ensure they are familiar with risk management, fraud detection and prevention, audit and legal issues that are relevant to an organisation's e-business operations.

Prerequisite(s): Nil **Credit points:** 12 **Incompatible with:** BSB213

AYB121 Financial Accounting

Financial Accounting examines of the accounting concepts and procedures relevant to both partnership and corporate structures within the context of the accounting profession's

conceptual framework and the relevant accounting standards and Corporations Law requirements. Topics include: the formation, operation, financial reporting and disclosure for both partnerships and companies; accounting for leases; and the professional role of accountants. The emphasis is on the effect of the different forms of ownership on the financial statements.

Prerequisite(s): BSB110 or CTB110 **Contact hours:** 3 per week **Campus:** Gardens Point

AYB200 Financial Accounting

Financial Accounting examines of the accounting concepts and procedures relevant to both partnership and corporate structures within the context of the accounting profession's conceptual framework and the relevant accounting standards and Corporations Law requirements. Topics include: the formation, operation, financial reporting and disclosure for both partnerships and companies; accounting for leases; and the professional role of accountants. The emphasis is on the effect of the different forms of ownership on the financial statements.

Prerequisite(s): BSB110 or CTB110 **Credit points:** 12 **Incompatible with:** AYB121

AYB205 Law of Business Entities

This unit presents advanced topics in company law including protection of minority interests; prospectuses and fundraising; company charges; insider trading; takeovers and buy-backs; and tax law relating to financially troubled companies.

Prerequisite(s): BSB111 or CTB111 **Credit points:** 12 **Incompatible with:** AYB223, AYB305

AYB219 Taxation Law

This unit introduces students to the statutory framework of the Australian taxation system. Elements in the determination of taxable income and the levy of income tax are examined including general and specific categories of assessable income and allowable deductions, capital gains tax and administration aspects of the tax system. The taxation of fringe benefits is also examined. The unit concludes with a brief overview of the taxation of partnerships, trusts and companies and the goods and services tax. Emphasis is placed on developing students' skills in problem solving through research and analysis of taxation issues.

Prerequisite(s): BSB111 or CTB111 **Credit points:** 12 **Incompatible with:** AYB325

AYB220 Company Accounting

This unit includes: the preparation of consolidated financial statements; an overview of the statutory requirements that dictate the format and content of published financial reports of companies; the requirements of the Corporations Act 2001 and the major disclosure orientated accounting standards; accounting for income tax; accounting for the acquisition of assets (including entities); accounting for investments in associates; accounting for foreign currency transactions arising from international trading and financing; and the translation of the results of foreign operations.

Prerequisite(s): AYB121 **Contact hours:** 3.5 per week **Campus:** Gardens Point

AYB221 Computerised Accounting Systems

This unit provides an examination of the concepts, processes and issues relevant to computerised accounting systems including: accounting information systems; internal controls; design and development of computerised accounting systems including general ledger and reporting cycle, revenue cycle, expenditure cycle and payroll cycle; computer fraud, security and crime; accessing accounting information; and accounting in an electronic environment. Practical application of these concepts is enhanced by the use of accounting software such as MYOB, spreadsheet software such as Excel, database software such as Access, and interactive multimedia software such as Accounting Information Systems Cycles.

Prerequisite(s): BSB110 or CTB110 **Credit points:** 12

Contact hours: 3 per week **Campus:** Gardens Point

AYB223 Law of Business Associations

The unit is intended to equip students with a basic understanding and knowledge relevant to the environment of legal entities, particularly corporations. It also seeks to provide students with sufficient basic understanding of the legal structure of business associations to enable them to recognise the appropriate structure for particular commercial situations.

Prerequisite(s): BSB111 or CTB111 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** AYB205

AYB225 Management Accounting

This unit introduces students to accounting systems and techniques that provide management at all levels with information for use in planning, controlling and decision making. This can be contrasted with financial accounting, which provides summary financial information principally for external users (ie shareholders, creditors, banks, etc). Emphasis is placed on developing a range of accounting systems (in particular product costing) which may be used in manufacturing firms, although the principles and concepts used to develop such systems can be adapted to service organisations.

Prerequisite(s): BSB110 or CTB110 **Credit points:** 12

Contact hours: 3 per week **Campus:** Gardens Point

AYB227 International Accounting

International Accounting is designed to provide students with an insight into, and an appreciation of, many of the accounting problems and issues faced in an international business environment. Issues examined include: comparative international accounting systems and practices; cultural influences on accounting; international financial reporting issues such as international business combinations, intangibles, foreign currency transactions and translation, comparative international analysis of financial statements; and global accounting issues in the twenty-first century. The unit also examines the impact of international harmonization of accounting standards on multinational corporations and the investment communities worldwide.

Prerequisite(s): BSB110 or CTB110 and BSB119 or CTB119 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

AYB230 Corporations Law

The unit is intended to equip students with a basic understanding and knowledge relevant to the environment of legal entities, particularly corporations. It also seeks to provide students with sufficient basic understanding of the legal structure of business associations to enable them to recognise the appropriate structure for particular commercial situations.

Prerequisite(s): BSB111 or CTB111 **Credit points:** 12

AYB232 Financial Institutions Law

This unit deals with the regulation of banks and non-bank financial institutions, the financial institutions' scheme, the banker-customer relationship, laws relating to cheques and other negotiable instruments, negligent advice by financial institutions and other possible grounds of liability in the dealings of financial institutions with customers.

Prerequisite(s): BSB111 or CTB111 **Credit points:** 12

Incompatible with: AYB312

AYB240 Superannuation Regulation and Practice

This unit introduces students to the Australian superannuation system and the regulatory framework under which it operates. The unit aims to develop students' knowledge and understanding of the superannuation system to equip graduates seeking career opportunities in the superannuation industry, or other areas of business dealing with superannuation-related matters affecting organisations and/or individuals.

Prerequisite(s): BSB110 or CTB110 or BSB111 or CTB111

Credit points: 12 **Incompatible with:** AYB334

AYB250 Personal Financial Planning

This unit introduces students to the fundamental aspects of the financial planning process, the legal framework governing the financial planning industry and the responsibilities of financial planners. The unit will also expose students to alternative strategies of wealth creation while taking into consideration taxation, superannuation and social security issues.

Prerequisite(s): BSB111 or CTB111 **Credit points:** 12

Incompatible with: AYB335

AYB300 Accountancy Work Integrated Learning

Prerequisite(s): Restricted to students enrolled in BS06 and BS07 **Credit points:** 24 **Campus:** Gardens Point

AYB301 Audit and Assurance

This unit enables students to comprehend the key concepts of auditing as a discipline, to demonstrate the relationship between auditing and the systems of accountability and to demonstrate the differences between manual and EDP audit processes. The unit builds on the knowledge of accounting and accounting standards acquired in prior units by enabling students to understand in detail the audit process (including professional auditing standards and techniques) which leads to the auditor providing an opinion on the financial reports of various types of entities. Ethics and auditor's liability are also covered.

Prerequisite(s): AYB221 & AYB340 or AYB220 **Credit points:** 12 **Contact hours:** 3 per week **Campus:**

Gardens Point

AYB305 Company Law and Practice

This unit presents advanced topics in company law including protection of minority interests; prospectuses and fundraising; company charges; insider trading; takeovers and buy-backs; and tax law relating to financially troubled companies.

Prerequisite(s): AYB223 **Contact hours:** 3 per week
Campus: Gardens Point

AYB311 Financial Accounting Issues

This unit introduces students to the nature of accounting theory and integrates theory with practice to assist in the understanding of major Australian and International accounting issues. The following topics are addressed: positive and normative theories of accounting; the external reporting framework including international harmonisation and the conceptual framework; definition, recognition and measurement of assets, liabilities, equity, revenues and expenses; asset revaluations; intangibles; leases and employee entitlements. Accounting in specific industries such as construction, extractive industries and superannuation funds is also examined. This unit complies with the new international accounting standards. Contracting theory is used

Prerequisite(s): AYB340 or AYB220 **Credit points:** 12
Contact hours: 3.5 per week **Campus:** Gardens Point

AYB312 Financial Institutions Law

This unit deals with the regulation of banks and non-bank financial institutions, the financial institutions' scheme, the banker-customer relationship, laws relating to cheques and other negotiable instruments, negligent advice by financial institutions and other possible grounds of liability in the dealings of financial institutions with customers.

Prerequisite(s): BSB111 or CTB111 **Contact hours:** 3 per week **Campus:** Gardens Point

AYB320 Advanced Taxation Law

This unit examines the principles governing the taxation treatment of various business entities including partnerships, trusts, companies and superannuation funds from a domestic and international perspective. The unit provides students with an understanding of other considerations which affect the choice of an appropriate business structure from a taxation perspective, including rollover relief and the CGT small business concessions, the importance of legitimate tax planning and the distinction between tax avoidance and tax evasion and some of the more simple aspects of international taxation between Australia and its major trading partners. The unit also covers an analysis of the GST, a review of types of supplies under the Act and the concept of creditable acquisitions. Specific issues such as the GST implications of real property, the margin scheme, GST planning strategies and the GST avoidance provisions are also covered.

Prerequisite(s): AYB219 or AYB325 **Credit points:** 12
Contact hours: 3 **Campus:** Gardens Point
Incompatible with: Any two of AYB328 Taxation of Business Entities, AYB323 Taxation Planning and AYB337 Goods and Services Tax

AYB321 Strategic Management Accounting

Strategic management accounting develops a theory of organisations that provides an understanding of the information requirements of management to facilitate the strategic planning, decision-making and control necessary for the achievement of their objectives. Topics include: developing effective performance-evaluation systems and compensation plans; examining how managers can design organisations to motivate individuals to make choices that increase firm value; managing transfer-pricing disputes among divisions; developing an understanding of new management accounting practices, including activity-based costing (ABC), the balanced scorecard (BSC), and economic value added (EVA); and appreciating the research on the benefits and problems with ABC, BSC and EVA.

Prerequisite(s): AYB225 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

AYB325 Taxation Law

This unit introduces students to the statutory framework of the Australian taxation system. Elements in the determination of taxable income and the levy of income tax are examined including general and specific categories of assessable income and allowable deductions, capital gains tax and administration aspects of the tax system. The taxation of fringe benefits is also examined. The unit concludes with a brief overview of the taxation of partnerships, trusts and companies and the goods and services tax. Emphasis is placed on developing students' skills in problem solving through research and analysis of taxation issues.

Prerequisite(s): AYB223 **Contact hours:** 3 per week
Campus: Gardens Point

AYB338 Accountancy Work Placement

This unit fosters learning through work related experience. Students will be given the opportunity to experience the work that is performed by accountants and will enable them to more effectively learn and practice accounting discipline knowledge and graduate capabilities. Admission to this unit is by application and subsequent approval by the unit coordinator.

Prerequisite(s): Interview & AYB200 or AYB121, AYB221 & AYB219 or AYB325 Or Interview & AYB114 or BSB212 & AYB341 or BSB314 **Credit points:** 12 **Campus:** Gardens Point

AYB339 Accountancy Capstone

Accountancy Capstone co-ordinates several parts of the accountancy degree that have already been studied by students. At the same time some new concepts are introduced for each topic. The unit attempts to simulate the real world where the professional advisor/consultant is confronted with unstructured multi-disciplined problems on a day-to-day basis.

Based on the Problem-Based Learning (PBL) methodology, students will learn the process of how to deal with the problems typically faced by the professional advisor/consultant. These problems require students to work together in teams, research issues, gather information

and form conclusions.

Prerequisite(s): AYB220/AYB340 and one of either AYB311 or AYB321 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

AYB340 Company Accounting

This unit includes: the preparation of consolidated financial statements; an overview of the statutory requirements that dictate the format and content of published financial reports of companies; the requirements of the Corporations Act 2001 and the major disclosure orientated accounting standards; accounting for income tax; accounting for the acquisition of assets (including entities); accounting for investments in associates; accounting for foreign currency transactions arising from international trading and financing; and the translation of the results of foreign operations.

Prerequisite(s): AYB200 or AYB121 **Credit points:** 12
Incompatible with: AYB220

AYB341 Forensic and Business Intelligence

Prerequisite(s): AYB114 or BSB124 or BSB114 **Credit points:** 12 **Incompatible with:** BSB314

AYN410 Business Law and Ethics

This unit provides an introduction to business law and to morality in the business context. It includes the following: the legal framework for business interpretation of statutes; law of torts; contract law and agency; morality and how it works as an aspect of the business community; the origins of moral belief; and the motives that lead people to abide by what they believe to be morally right and to persuade others to do likewise with special emphasis on business aspects of morality.

Prerequisite(s): postgraduate enrolment only **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** GSN412, GSN422

AYN411 Audit and Assurance

Topics in this unit include: the audit environment; legal liability of auditors; professional ethics; the study and evaluation of audit planning and programming, evidence, internal control theory and review techniques; audit program applications; audit in CIS environment and evaluation of CIS controls; computer-assisted audit techniques; computer fraud; audit sampling techniques; audit reporting.

Prerequisite(s): AYN417 and AYN443 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

AYN412 Company Law

The unit introduces the law relating to the establishment, operation and dissolution of business association; the forms of business associations, partnerships, trusts, companies and voluntary associations. It also focuses on companies: incorporation requirements, classification, corporate governance, share capital and management issues.

Prerequisite(s): AYN410 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

AYN414 Cost and Management Accounting

This unit introduces students to techniques that provide management at all levels with information for use in inventory valuation, planning, controlling and decision-

making. The unit's major focus is on product costing systems for manufacturing firms.

Prerequisite(s): AYN416 or equivalent **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

AYN416 Financial Accounting 1

This unit provides an introduction to financial accounting within the context of the accounting profession's conceptual framework, relevant accounting standards and the requirements of the Corporations Law. Topics include: the accounting cycle for both service and merchandising entities; the preparation of general purpose financial reports: cash management and control; non-current assets; the formation, operation, and financial reporting requirements for companies; and statement of cash flows.

Prerequisite(s): postgraduate enrolment only **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

AYN417 Financial Accounting 2

This unit covers the preparation of consolidated financial statements; an overview of the statutory requirements that dictate the format and content of published financial reports of companies; the requirements of the Corporations Act 2001 and the major disclosure orientated accounting standards; accounting for income tax; accounting for the acquisition of assets (including business entities); accounting for investments in associates; the termination of a company's life and the accounting procedures necessitated by winding up/liquidation.

Prerequisite(s): AYN416 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

AYN418 Financial Accounting 3

This unit introduces students to the concepts and theories that underlie financial reporting and disclosure practices. The regulatory environment and factors influencing accounting policy choices provide a framework for examining the financial effects and behavioural implications of applying different accounting methods to specific accounting issues. Particular emphasis is placed on both the application of specific accounting techniques/rules and the conceptual/theoretical issues associated with alternative accounting methods.

Prerequisite(s): AYN417 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

AYN424 International Accounting

This unit is designed to provide students with an insight into, and an appreciation of, many of the accounting problems and issues faced in an international business environment. The unit examines issues including: accounting systems in the global environment; international patterns of accounting development including cultural influences on accounting; comparative international accounting systems and practices; the pressures for international accounting harmonisation and disclosure; international disclosure trends and financial analysis; global accounting issues into the twenty-first century.

Prerequisite(s): Postgraduate enrolment **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

AYN433 Research Topics in Accounting

This unit introduces Honours, Higher Degree Research and other Postgraduate students to a broad range of accounting literature. It is designed to explore various theories and research methodologies that are applied in accounting research through assigned weekly readings and assigned research tasks. The assigned readings include contemporary research in financial accounting, management accounting, auditing and corporate governance.

Prerequisite(s): Appropriate U/G degree in Accountancy, containing specific content. Please see School of Accountancy for further advice. **Credit points:** 12

Contact hours: 3 per week **Campus:** Gardens Point

AYN438 Taxation Law and Practice

This unit introduces students to the statutory framework of the Australian taxation system. Elements in the determination of taxable income and the levying of income tax are examined including general and specific categories of assessable income and allowable deductions, capital gains tax and administration aspects of the tax system. The taxation of fringe benefits is also examined. The unit concludes with a brief overview of the taxation of partnerships, trusts and companies and the goods and services tax. Emphasis is placed on developing students' skills in problem solving through research and analysis of taxation issues.

Prerequisite(s): AYN412 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

AYN442 Superannuation and Wealth Management

Credit points: 12 **Campus:** Gardens Point

AYN443 Electronic Commerce Cycles

This unit examines the concepts, processes and issues relevant to computerised accounting systems including: accounting information systems; internal controls; design and development of computerised accounting systems including general ledger and reporting cycle, revenue cycle, expenditure cycle and payroll cycle; computer fraud, security and crime; accessing accounting information; and accounting in an electronic environment. Practical application of these concepts is enhanced by the use of accounting software such as MYOB, spreadsheet software such as Excel, database software such as Access, and interactive multimedia software such as Accounting Information Systems Cycles.

Prerequisite(s): AYN416 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: AYB221, AYN402

AYN454 Forensic Accounting and Investigation

This unit provides students with a knowledge of critical factors that contribute to fraud and corporate failure, and forensic examination. Students develop an understanding of the risks of fraud and corporate failure occurring and an appreciation for the subsequent forensic review and litigation processes that may follow.

Prerequisite(s): U/G degree in Accountancy **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** AYN441, AYN404,

AYN426

AYN460 Accountancy Work Placement

This unit fosters learning through work related experience. Students will be given the opportunity to experience the work that is performed by accountants which will enable them to more effectively learn and practice accounting discipline knowledge and graduate capabilities. Admission to this unit is by application and subsequent approval by the unit coordinator.

Prerequisite(s): Enrolment in BS16 Master of Business (Accounting), BS17 Master of Business (Accounting or Professional Accounting) or equivalent; plus AYN416, AYN443 & AYN438; or units approved by Major Coordinator
Credit points: 12 **Incompatible with:** AYN461

AYN461 Accountancy Work Integrated Learning

This unit fosters learning through work related experience. Students will be given the opportunity to experience the work that is performed by accountants which will enable them to more effectively learn and practice accounting discipline knowledge and graduate capabilities. Admission to this unit is by application and subsequent approval by the unit coordinator.

Prerequisite(s): Enrolment in BS16 Master of Business (Accounting), BS17 Master of Business (Accounting or Professional Accounting) or equivalent; plus AYN416, AYN443 & AYN438; or units approved by Major Coordinator
Credit points: 24 **Incompatible with:** AYN460

AYN505 Financial Analysis and Business Valuation

This unit is about the analysis of financial information arising primarily from the financial reports of entities. Fundamental analysis techniques are examined in detail with particular emphasis on the application of these techniques in equity (share) valuation decisions. The unit comprises three related parts. Part one outlines the four basic steps in the fundamental analysis framework; business analysis, accounting analysis, financial analysis and prospective analysis. The next part combines these skills in addressing the question of valuation, while the final section of the unit applies the skills in several different contexts, such as credit analysis, security analysis, mergers and acquisitions and financial policy decisions.

Prerequisite(s): Appropriate U/G degree in Accountancy, containing specific content. Please see School of Accountancy for further advice. **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point

AYN506 Strategic Management Accounting

Strategic Management Accounting develops a theory of organisations that provides an understanding of the information requirements of management to facilitate strategic planning, decision-making and control. This unit prepares students for a world of unstructured problem-solving and develops skills in managerial decision-making by the use of current research articles to ascertain how managers can design organisations to motivate individuals to make choices that increase firm value. Topics include: the management of control systems; performance evaluation and compensation incentives; transfer pricing. New management accounting practices, activity-based costing, the balanced scorecard, and economic value

added, are evaluated using the latest research.

Prerequisite(s): U/G degree in Accountancy. **Credit**

points: 12 **Contact hours:** 3 **Campus:** Gardens Point

AYN507 Governance Issues in Accounting

This unit adopts an accounting perspective to examine issues relating to sound corporate governance, accountability and transparency. Topics covered include the following: the role of the board of directors and board committees; internal control and risk management; audit committees, internal and external audit; duties of directors and management; codes of conduct and ethics; compensation issues; conflict of interest and insider trading.

Prerequisite(s): Appropriate U/G degree in Accountancy, containing specific content. Please see School of Accountancy for further advice. **Credit points:** 12

Contact hours: 3 per week **Campus:** Gardens Point

AYN520 Integrated Issues in Professional Practice

Credit points: 12 **Campus:** Gardens Point

BEB100 Introducing Professional Learning

This unit will introduce students to a range of skills and knowledge sets required to support professional practice in design, engineering and urban development disciplines. It will include information literacy and communication skills and knowledge development. In addition, the unit will provide orientation to design, engineering and urban development professions through an introduction to their history, their place in society, the importance of ethical conduct to their practice and to the particular qualities of professional knowledge especially with regard to practice knowledge. The importance of integrated scholarship and collaborative links with other professions will be highlighted.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

BEB110 Organising and Managing Project Team

Project managers face the challenges of operating in a project environment characterized by high levels of uncertainty, cross-cultural teams, and global competition for competent human resources. These challenges can be met by developing a clear understanding of human factors in project management and by effective use of the human resource management skills that are required to inspire project stakeholders to work together in order to meet project objectives. This unit introduces the management of human resources in project, from planning, acquiring, developing and managing project team.

Credit points: 12 **Campus:** Gardens Point

BEB111 Managing Project Quality

In projects, mindless acceptance leads, not to what was intended, but to the opposite: a cumbersome, self-generating administrative process that adds little to effective outcomes, but does add to project costs. However, the proper management of 'quality' in projects is a self-evident and essential requirement. The purpose of project quality management is the same as project management: 'to ensure that the project will satisfy the needs for which it was undertaken'. This unit introduces the processes managing project quality by implementing the quality management

system through the policy, procedures, and processes of quality planning, quality assurance, and quality control, with continuous process improvement activities conducted throughout.

Credit points: 12 **Campus:** Gardens Point

BEB112 Principle of Project Management

Project Management is the overall planning, control and coordination of a project, from inception to completion, aimed at meeting a client's requirements in order that the project will be completed on time within authorized cost and to the required quality standards. The aim of this unit is to provide the key concepts and foundation knowledge in project management, and to describe, clarify, and formalise project management process.

Credit points: 12 **Campus:** Gardens Point

BEB113 Managing Project Cost

Cost is a major metric of a successful project management. This unit introduces the process of managing project cost which includes planning, estimating, budgeting, and controlling costs so that the project can be completed within the approved budget.

Campus: Gardens Point

BEB114 Project Financing

Project is growing in complexity and size. Many projects never get off the ground due to insufficient financing. It is therefore necessary for project managers to know the sources and cost of project funds in order to package a financially viable project for approval. This unit introduces capital budgeting, project finance, and risk analysis. It covers the capital allocation framework, project cash flows, cost of capital, financial risk analysis, and how various types of projects are financed.

Credit points: 12 **Campus:** Gardens Point

BEB200 Introducing Sustainability

This unit will address issues of sustainability from a number of perspectives thus providing students with a variety of lenses on the ways in which the human-made environment impacts on the future of human settlement. The unit will include an introduction to sustainability from a variety of perspectives, including indigenous and other cultural perspectives, and from ecological, economic and technological perspectives. It will demonstrate to students the ways in which contrasting, and sometimes conflicting, ideas about sustainability are prioritised and how these priorities contribute to the impact that design, engineering and urban development professions have on a sustainable future.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

BEB210 Introduction To Collaboration

Credit points: 12 **Campus:** Gardens Point

BEB211 Parametric Design Systems

Credit points: 12 **Campus:** Gardens Point

BEB212 Advanced Collaboration

Prerequisite(s): BEB210 **Credit points:** 12 **Campus:** Gardens Point

BEB213 Sustainable Design Systems

A range of sustainability tools will be covered that support environmental impact analysis, economic analysis and social impact assessment, within a holistic approach to design. The capabilities of the tools will be discussed and then used to build up appropriate workflows that support integrated assessment for sustainability. These will be applied to a comprehensive design problem to reinforce the students understanding.

Credit points: 12 **Campus:** Gardens Point

BEB701 Work Integrated Learning 1

This unit aims to provide students with the opportunity to learn in a workplace environment. It will involve attendance, participation, observation, and reflection on activities negotiated with the workplace supervisor. The emphasis of the reflection will be on identifying and describing aspects of professional relevance incorporating among others: collaboration and teamwork; workplace, health and safety; professional conduct and ethical responsibility. For some students, this unit forms a part of their (compulsory) course core (as required by professional accrediting bodies), while for others it may be one of several work integrated learning (WIL) units (selected as part of a Minor).

Credit points: 12 **Campus:** Gardens Point

BEB702 Work Integrated Learning 2

This unit aims to provide students with the opportunity to continue to learn in a workplace environment. It will involve attendance, participation, observation, and reflection on activities negotiated with the workplace supervisor. The emphasis of the reflection for this unit is on explaining and discussing aspects of professional relevance incorporating among others: collaboration and teamwork; workplace, health and safety; professional conduct and ethical responsibility of specific relevance to the student's chosen discipline.

Credit points: 12 **Campus:** Gardens Point

BEB703 Work Integrated Learning 3

This unit provides students with the opportunity to consolidate and extend their learning through a work placement and associated projects. It will involve some on-campus attendance at lectures and tutorials as well as participation in, observation of, and reflection on activities undertaken during the work placement. The emphasis in the unit is on the critical reflection of academic learning and its application in practice. This is supported through an associated emphasis on the development of high order observation and critical reflection skills and the recording of learning outcomes in an e-portfolio. Most students undertaking this unit will do so as part of a WIL minor.

Credit points: 12 **Campus:** Gardens Point

BEB704 Work Integrated Learning 4

As with the previous WIL units, this unit involves participation in a work placement, associated projects and on-campus lectures and seminars to further extend and

consolidate studentsâ learning and preparation for professional practice. The emphasis in this unit is on developing a broader appreciation of the issues impacting on industry, the nature of academic and practice knowledge and how they can be productively integrated to respond to the needs of and the challenges facing professional practice. The unit also gives explicit attention to the continuing development of graduate capabilities including oral communications skills. This unit is normally undertaken as the last unit in the first WIL minor.

Credit points: 12 **Campus:** Gardens Point

BEB705 Work Integrated Learning 5

This unit is normally undertaken as the first unit of a second WIL minor. While the first WIL minor emphasises the context of practice and its relationship to academia, the second WIL minor focuses on the participation of students in work in a more proactive and leading way thereby providing the opportunity for sophisticated, collaborative and reciprocal learning and outcomes for all concerned. In this context, this unit introduces students to the notion of practice-led research and research-led practice and provides them with the opportunity to use practice-based projects as vehicles for further developing discipline knowledge as well as advanced critical enquiry skills. In undertaking the unit, students will collaborate with a project supervisor and prepare an interim and final report and seminar on the project.

Credit points: 12 **Campus:** Gardens Point

BEB706 Work Integrated Learning 6

Credit points: 12 **Campus:** Gardens Point

BEB707 Work Integrated Learning 7

Credit points: 12 **Campus:** Gardens Point

BEB708 Work Integrated Learning 8

Credit points: 12 **Campus:** Gardens Point

BEB801 Project 1

This unit will expose students to a set of integrated activities, each building upon the preceding, and culminating in a completed project. Students will apply skills and knowledge from earlier in their course, and use a rigorous process of scheduling, design, development, construction, testing, and analysis. These skills and processes will be applied to a real-world problem to simulate the design, development, and management of a project solution.

Credit points: 12 **Campus:** Gardens Point

BEB802 Project 2

This unit will require students to critically discuss the relationship between theoretical skills and knowledge about their discipline, and the practical application of same in a professional project context. Students will apply skills and knowledge from earlier in their course, and use a rigorous process of scheduling, design, development, construction, testing, and analysis. These skills and processes will be applied to a real-world problem to simulate the design, development, and management of a project solution.

Credit points: 12 **Campus:** Gardens Point

BEB901 Retrofitting for Sustainability

This unit will provide students with an opportunity to examine in depth current data on the condition of built and natural environments and the wellbeing of people living within these environments, worldwide and in Australia. Special attention will be given to problems observed in the built environment, such as greenhouse gas emissions, population increase, over consumption and resource depletion including water shortages, coastal degradation and urban sprawl.

Credit points: 12 **Campus:** Gardens Point

BEB903 Greenhouse Solutions

The unit aims to briefly introduce students to barriers facing the adoption of greenhouse abatement strategies and the methods by which these barriers can be overcome. Finally, the unit will describe how energy, transport and urban systems, like the climate system itself, have great inertia: they take decades to change. This means that in order to achieve significant reductions in greenhouse emissions, and to avoid the worst effects of climate change, early planning and action is critical for these systems.

Credit points: 12 **Campus:** Gardens Point

BEN610 Project Management Principles

This unit serves as an introduction to project management as a fundamental skill for all postgraduate coursework students in built environment and engineering. It offers an overview of the framework, processes and key knowledge areas of project management.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

BEN710 Sustainable Practice in Built Environment and Engineering

Sustainability and its impact on the built environment and engineering encompass a wide range of issues and cover many disciplines. Sustainable practice needs to be embedded in professional work such as design, planning, engineering systems, manufacturing, energy generation, water supply, construction, management, and operation of the built assets and environments etc, with the evaluation of environmental, institutional and social implications. Postgraduate students in built environment and engineering courses must develop a keen sense of awareness, a high level of understanding, and a sufficient amount of knowledge of in the application of their professions for sustainable outcomes.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

BEN810 Research Methods For Built Environment and Engineering

Credit points: 12 **Campus:** Gardens Point

BEN910 Integrated Project

Problems that confront professionals are ill-defined and complex. The ability to define a problem, and collect and analyse relevant information using appropriate research methods is essential to professional practice. From a learning perspective, one of the most effective ways of

achieving this is to consolidate and extend previously gained skills through an activity that is relevant to industry and, where possible, is associated with a specific workplace.

Credit points: 12 **Campus:** Gardens Point

BEN920 Integrated Project

Problems that confront professionals are ill-defined and complex. The ability to define a problem, and collect and analyse relevant information using appropriate research methods is essential to professional practice. From a learning perspective, one of the most effective ways of achieving this is to consolidate and extend previously gained skills through an activity that is relevant to industry and, where possible, is associated with a specific workplace.

Credit points: 12 **Campus:** Gardens Point

BNB011 Fundamentals of Synthetic Environment

This unit provides an overview of synthetic environments focusing on their application to design and engineering disciplines as a tool for enhanced communication within a design process. The theory (lecture) component provides an overview of historical and contemporary issues related to synthetic environments, whereas the tutorials provide the necessary computer laboratory skills for the creation of a virtual world. Prior knowledge of 3D CAD is assumed.

Campus: Gardens Point

BSB110 Accounting

Accounting data is the basis for decision making in any organisation. Accordingly, the aim of this unit is to provide students with a basic level of knowledge of modern financial and managerial accounting theory and practice so that they can understand how accounting data is used to help make decisions in organisations. The unit covers financial procedures and reporting for business entities, analysis and interpretation of financial statements and planning, control and business decision making.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Caboolture **Incompatible with:** BSD110, CTB110, CNB293, UDB342

BSB111 Business Law and Ethics

This unit integrates the concepts and principles of business law with the theories and applications of business ethics. The unit makes extensive use of cases in law and ethics to develop knowledge and skills that enable students to analyse, apply and evaluate the legal principles and ethical decision-making processes relevant to modern business practice.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Caboolture **Incompatible with:** AYB120, CTB111

BSB113 Economics

This unit introduces students to the key economic concepts and their practical applications. It comprises twelve topics each focusing on a current economic issue. Microeconomic topics include demand and supply, elasticity, production and cost theory and market structure. Macroeconomic topics include measuring GDP, inflation and unemployment, money and banking, and fiscal and monetary policy.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Caboolture **Incompatible with:** CTB113, BSD113

BSB114 Government, Business and Society

This unit provides 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 develop a comparative appreciation of the principles, institutional arrangements and practices of contemporary government in a global context. This includes consideration of law-making and policy processes and the impact of the changing national and international environment.

Contact hours: 3 per week **Campus:** Gardens Point and Carseldine **Incompatible with:** HUB694, HUB682, SSB028, BSD114, CTB114

BSB115 Management

The unit provides an introduction to the theories and practice of management and organisations. Emphasis is on the conceptual and people skills that are needed in all areas 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Caboolture **Incompatible with:** BSD115, CTB115

BSB119 Global Business

This unit examines the drivers of globalisation and the diversity of country markets at an introductory level. It develops the skills and understanding to identify and respond to the opportunities, challenges and risks of conducting business across politically, economically and culturally diverse environments. An authentic country feasibility study is undertaken to help identify where a firm can find opportunities both in terms of actual and potential markets and the location for value-adding activities. The unit aims for students to have developed a comprehension of the nature and role of globalisation and the drivers of international business, a knowledge of the competitive forces and challenges confronting all business as a consequence of globalisation processes and an awareness of the additional knowledge and skills required of management to operate business internationally across a diversity of environments.

Prerequisite(s): NIL **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Caboolture **Incompatible with:** BSB116, BSB112, CTB119

BSB122 Quantitative Analysis and Finance

To maintain the competitiveness of, and add value to, an organisation, today's managers have to make critical business and financial decisions. This unit is a preliminary study of the techniques for analysing business information, and will provide students with a framework for

understanding the fundamentals of business and financial decision making. Topics include the following: the basic techniques of organising and analysing data; the application of probability and probability distributions; understanding a firm's investing, financing and dividend decisions; and the three main ideas underpinning financial decisions (time value of money, diversification and arbitrage).

Contact hours: 3 per week **Campus:** Gardens Point and Carseldine **Incompatible with:** BSB117, CTB122

BSB123 Data Analysis

The ability to collect, analyse, manipulate, understand and report data is an important skill in any work environment. This is particularly true in business where learning to deal with randomness, variation and uncertainty is a vital skill for anyone intending to apply their knowledge. This unit is designed to ensure that students gain the basic tools necessary to allow them to develop this skill. Students will also gain an introduction to many of the quantitative techniques which will be used throughout their further studies in their chosen discipline.

Credit points: 12 **Campus:** Gardens Point and Caboolture **Incompatible with:** BSB122, EFB101, MAB101

BSB124 Working in Business

This unit will help you to kickstart your study and your career in business regardless of your specific discipline. Not only does "Working in Business" give you an understanding of where business has come from and where it is headed, but you will also gain insights into yourself and how you can develop as both a student and professional in the business world. It covers an overview of business, the important issues for working as a professional in an organisation, and also gives you the opportunity to reflect on your own skills, preferences and career options so you can plan a future that suits you.

Credit points: 12 **Campus:** Gardens Point and Caboolture **Incompatible with:** BSB114

BSB126 Marketing

This introductory subject examines the role and importance of marketing to the contemporary organisation. Emphasis is placed on understanding the basic principles and practices of marketing such as the marketing concept, market segmentation, management information systems and consumer behaviour. The unit explores the various elements of the marketing mix, with special reference to product, price, distribution, and promotion, including advertising and public relations. By way of introduction only, key issues relating to services marketing, e-marketing and strategic marketing are also canvassed.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point and Caboolture **Incompatible with:** BSB116, CTB126

BSB200 Project

Prerequisite(s): Restricted to students enrolled in BS06 and BS07 **Credit points:** 24 **Campus:** Gardens Point

BSB212 Electronic Business Applications

This unit looks at the ways in which organisations adopt and use various electronic business applications in areas of e-commerce, business-to-consumer, business-to-business and intra-business relations. Business models and their impact in various industries are analysed, enabling students to assess the underlying business case, and determine the model's viability in a competitive environment. The issues associated with front-end and back-end e-business applications are considered.

Prerequisite(s): BSB112 or CTB112 or BSB119 or CTB119 or equivalent **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** AYB333, CTB212

BSB213 Governance Issues in E-Business

This unit introduces students to a wide range of information technology governance issues which confront business professionals during the implementation and operation of e-business strategies. It aims to provide e-business and IT professionals with an understanding of current IT governance frameworks and to ensure they are familiar with risk management, fraud detection and prevention, audit and legal issues that are relevant to an organisation's e-business operations.

Prerequisite(s): Business students: BSB111 or CTB111 and BSB119 or CTB119. Other students: 96 credit points of approved study **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** AYB332, CTB213

BSB310 Business and Biotechnology

This unit develops business skills that will enhance the ability of those operating within biotechnology firms to capitalise on their research and development efforts. In essence this unit provides the skills-based mechanisms to develop graduates who are effective catalysts in recognising, developing and commercialising opportunities in biotechnology.

Prerequisite(s): MGB218 **Contact hours:** 3 per week **Campus:** Gardens Point

BSB311 Innovation Commercialisation Strategies

Students study strategies and approaches used in industry and government organisations for the research, development and commercialisation of biotechnology innovations. The unit offers the opportunity to read widely as well as in depth about the commercialisation of molecular biology and biotechnology research. Theoretical concepts are integrated with prepared case studies prior to guest speaker seminars.

Prerequisite(s): BSB310 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

BSB314 E-Business Intelligence

This unit looks at corporate strategic decisions and the information technology decision support systems and e-business intelligence needed to support management in this process. Group and enterprise IT decisions systems, data warehousing and corporate portals will be examined together with e-business intelligence applications. SAS software skills for decision support and data mining and visualisation will be covered. An introduction to advanced intelligent systems, artificial intelligence and knowledge based support systems will also form part of the unit.

Prerequisite(s): 96 credit points of prescribed study in a

degree program **Contact hours:** 3 per week **Campus:** Gardens Point

BSD110 Accounting

Accounting data is the basis for decision making in any organisation. Accordingly, the aim of this unit is to provide students with some basic knowledge of modern financial and managerial accounting theory and practice so that they can understand how accounting data is used to help make decisions in organisations. The unit covers financial procedures and reporting for business entities, and the analysis and interpretation of financial statements for planning, control and business decision making purposes.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** BSB110

BSD113 Economics

This unit introduces students to the key economic concepts and their practical applications. It comprises 12 topics each focusing on a current economic issue. Microeconomic topics include demand and supply, elasticity, production and cost theory and market structure. Macroeconomic topics include measuring GDP, inflation and unemployment, money and banking, and fiscal and monetary policy.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** BSB113

BSD115 Management

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 areas 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.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** BSB115

BSD119 Global Business

This unit integrates two rapidly expanding areas of business studies: international business and e-business. Doing business across international borders is facilitated by e-business technologies. This unit explores the nature and models of international business and e-business and how e-business technologies facilitate international business and add value to the business. It develops the skills and understanding to identify and respond to the opportunities, challenges and risks of conducting business across politically, economically and culturally diverse environments.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** BSB119

BSD124 Working in Business

Credit points: 12

BSD126 Marketing

This introductory unit examines the role and importance of marketing to the contemporary organisation. Emphasis is given to understanding the basic principles and practices of marketing such as the marketing concept, market segmentation, marketing information systems and

consumer behaviour. The unit explores the various elements of the marketing mix, with special reference to product, price, distribution, promotion. Promotion includes advertising and public relations. By way of introduction only, key issues relating to services marketing, strategic marketing and marketing planning are also canvassed.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** BSB126

BSN005 Introduction to Academic Research

This unit presents a pathway for coursework students into higher degree research. It will provide students with the opportunity to produce a high quality journal article (as primary author) under the supervision of an experienced researcher. The student will report on research outcomes through their participation in an existing research project. Upon completion of this unit, students should be able to draft a literature review drawing largely on provided sources of literature; analyse provided data within a suitable theoretical framework; identify and justify the choice of an appropriate journal to target for publication; complete the journal article as primary author such that it meets all technical requirements for submission to the identified journal.

Prerequisite(s): 240cp of UG study with a GPA of 5.5>; pre-approval of Course Coordinator; subject to supervisor availability & completion of an agreed learning contract. Not offered to ECO or FIN major in BS63 or BS92 **Credit points:** 12 **Contact hours:** 3

BSN404 Project 1

This unit is designed to permit the student to undertake a research project, subject to the approval of the course coordinator.

Credit points: 12 **Campus:** Gardens Point **Incompatible with:** MKN101, MKN102, MKN103

BSN405 Project 2

This unit is designed to permit the student to undertake a research project, subject to the approval of the course coordinator.

Credit points: 12 **Campus:** Gardens Point **Incompatible with:** MKN101, MKN102, MKN104

BSN406 Project 3

This unit is designed to permit the student to undertake a 24 credit point research project, subject to approval of the course coordinator.

Prerequisite(s): 96 credit points of approved prior study **Credit points:** 24 **Campus:** Gardens Point

BSN409 Research Project

This is to produce a major piece of applied research. The research project provides the opportunity to apply and reinforce the education and knowledge gained from the course 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 accountancy or banking and finance or a related discipline.

Prerequisite(s): BSN506 or BSN507 **Credit points:** 24 **Campus:** Gardens Point

BSN412 Qualitative Research and Analytical Techniques

This unit provides a detailed overview of qualitative research to support decision-making in business disciplines. The primary purpose of this unit is to develop a detailed understanding of the theoretical contexts in which field studies and qualitative research methods have developed and the techniques that define the approach. Students develop the ability to analyse, conduct, and evaluate qualitative research in discipline areas related to business. The unit provides a basic preparation for the development of a project, thesis or dissertation proposal based on the use of qualitative research.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** CON500

BSN414 Quantitative Research Methods

Quantitative Research Methods is a postgraduate unit designed to introduce students to a range of quantitative research methods and their application to different research questions and types of quantitative data. Throughout the unit, students will be exposed to a wide range of quantitative research issues including survey and index development, factor analysis, multiple regression, experimental data collection and analysis, ANOVA and MANOVA, structural models, secondary data collection and analysis, and longitudinal data analysis. Each lecture will be conducted in computer laboratories to allow students the opportunity to develop their quantitative research skills using SPSS and AMOS with data provided by lecturers.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Incompatible with:** BSN502, BSN412, BSN503

BSN501-1 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.

Credit points: 12 **Campus:** Gardens Point

BSN501-2 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.

Credit points: 12 **Campus:** Gardens Point

BSN501-3 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.

Credit points: 12 **Campus:** Gardens Point

BSN501-4 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.

Credit points: 12 **Campus:** Gardens Point

BSN502 Research Methodology

The purpose of this study is to provide students with a range of ideas and methods that 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 and data manipulation, interpretation and presentation.

Credit points: 12 **Contact hours:** Flexible Mode
Campus: Gardens Point **Incompatible with:** BSB400

BSN503 Research Seminar

In this unit students prepare detailed literature reviews relevant to the thesis or dissertation proposal. Students are 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 in 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.

Credit points: 12 **Contact hours:** Flexible Mode
Campus: Gardens Point

BSN506 Econometric Methods

This unit provides a comprehensive grounding in the econometric methods necessary for conducting research using such methods. Recent contributions to the econometric literature are studied.

Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: BSN500

BSN600-1 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 approximately 50000 words.

Credit points: 12 **Campus:** Gardens Point

BSN600-2 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 approximately 50000 words.

Credit points: 12 **Campus:** Gardens Point

BSN600-3 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 approximately 50000 words.

Credit points: 12 **Campus:** Gardens Point

BSN600-4 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 approximately 50000 words.

Credit points: 12 **Campus:** Gardens Point

BSN600-5 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 approximately 50000 words.

Credit points: 12 **Campus:** Gardens Point

BSN600-6 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 approximately 50000 words.

Credit points: 12 **Campus:** Gardens Point

BSN600-7 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 approximately 50000 words.

Credit points: 12 **Campus:** Gardens Point

BSN600-8 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 approximately 50000 words.

Credit points: 12 **Campus:** Gardens Point

CEB328 Investigation Project

This unit gives the student the opportunity to gather a body of information relating to a selected topic from the available literature, and to reach conclusions by critical analysis of this material. The investigation may include analysis and experimental work. The results will be presented as a written report supported by a seminar presentation.

Campus: Gardens Point

CEB330 Environmental Management for Engineers

This unit is designed to help students identify and develop the skills required in the role of the environmental engineer and specifically, the engineer as a project manager. This may involve making decisions to direct and manage the environmental aspects of a major project. This unit aims to help develop and encourage life long learning throughout a career as an environmental engineer.

Prerequisite(s): CEB233 **Contact hours:** 4 per week

Campus: Gardens Point

CEB411 Thesis Project A

Thesis A is a written report of the literature on an area of civil engineering practice where research and development has been undertaken and reported. Students demonstrate skills in problem definition, work planning, critical analysis of the study material information retrieval, and appropriate citation procedures. Report writing and seminar presentation is a major feature. Guided instruction and exercises are given on information retrieval and bibliographic listing and citation.

Campus: Gardens Point

CEB412 Project Engineering 2

The unit builds on the understanding of the physical aspect of construction gained in Project Engineering 1 to develop the skills needed to manage a project. Further studies in estimating, contracts administration and cost control provide support for a major computer simulation exercise based on the construction management of a complex industrial project. This experiential component provides a framework for the exploration of issues in the legal, managerial and technical areas which form the basis for the professional presentations that conclude the unit.

Prerequisite(s): CEB216, CEB317 **Contact hours:** 4 per week **Campus:** Gardens Point

CEB413 Structural Engineering 3

This unit includes the following: advanced structural engineering topics: 'Space Gas', 'Microstan', the stiffness method. This method is developed and illustrated by application to some structures. Plastic analysis and the concept of plastic hinge is introduced and applied. Basic structural dynamics is introduced and some simple illustrative examples are provided. Principles of earthquake engineering, aesthetics in bridge design, load paths in structures, and approximate methods in the analysis of complex structures are treated.

Prerequisite(s): CEB215, CEB318 **Contact hours:** 4 per week **Campus:** Gardens Point

CEB415 Thesis Project B

Thesis B is an optional elective and extension of Thesis A CEB411. Various avenues of investigation will have been identified from Thesis A and students undertake a program of investigation which may have experimental, design and analysis aspects. A written report with critical analysis of results and conclusions is prepared, and a seminar presented.

Campus: Gardens Point

CEB416 Environmental Law and Assessment

The adverse consequences of human activity have resulted in the adoption of various international treaties, enactment of stringent legislative requirements, and a growing demand for improved management practices. Engineers need to be aware of the way in which the law works, to be able to communicate with lawyers, and to recognise the legal and political implications of their projects. An understanding of the local, state, and federal governments' power to regulate development and the legal and planning requirements and assessment procedures is essential for professional engineering practice.

Campus: Gardens Point

CEB419 Environmental Transport and Infrastructure Management

The environmental engineer must be familiar with the role of each transport mode in the overall transport task, along with current issues associated with each mode. This must be overarched by an understanding of the system for planning and management of transport projects and systems, particularly in context with economic, environmental and social attributes. This final year core unit provides students who wish to pursue a career in environmental engineering with an understanding of these areas. The unit also includes case studies covering the environmental impacts for some of the urban and rural transport and infrastructure projects especially in the area of community consultation.

Prerequisite(s): CEB214, CEB323 **Contact hours:** 4 per week **Campus:** Gardens Point

CEB420 Environmental Thesis Project A

Professional engineers must be able to define and solve problems in areas which are not covered in textbooks and manuals of good practice. Research and development work is required to assess critically the available information and to plan and carry out a program of investigation. This subject helps students develop the skills required for this type of work.

Contact hours: 4 per week **Campus:** Gardens Point

CEB424 Professional Studies 6 (Concrete Structures and Geotechnical Engineering)

This unit includes studies of concrete: design and construction; roles of building professionals; design; current structures; structural systems; load paths; rules of thumb; building layout, function and form, design effects; seismic and element loads; structural element loading; formwork and placement constraints; reinforced and prestressed concrete slabs, beams and columns; architectural changes, connections and detailing; footings and foundations; bar scheduling.

Campus: Gardens Point

CEB425 Professional Studies 7 (Civil Design Project)

In their design project, students should consider a selection of the following: development planning and design; site location; layout; characteristics; client requirements; timetable; consultancy project planning and costing; development style; site civil design; transport impact assessment, network; SIDRA; trip generation; impact mitigation; intersection design; parking; site storm water design; wastewater treatment design; environmental geotechnical design; contaminated ground; slope stability.

Campus: Gardens Point

CEB426 Environmental Professional Studies (Civil Project)

Students should consider the following in their civil project: development planning and design; site location; layout; characteristics; client requirements; timetable; consultancy project planning and costing; development style; site civil design; transport impact assessment; network; SIDRA; trip generation; impact mitigation; intersection design; parking; site storm water design; wastewater treatment design; environmental geotechnical design; contaminated ground; slope stability.

Campus: Gardens Point

CEB507 Finite Element Methods

The Finite Element Method is the 20th century's solution for treating complex problems, which had hitherto remained impossible to solve, in several areas of engineering such as structural, geotechnical, hydraulic, electrical, heat conduction, etc. For example the displacements and stresses in dams, deep beams with openings, shell structures, soil-anchors, etc, can be obtained by finite element analysis. Basic theory and some of the important features of the method, engineering actions, modelling, choice of elements, boundary conditions, input data and interpretation of results are included in this unit.

Prerequisite(s): CEB413 **Campus:** Gardens Point

CEB508 Transport Engineering 2

This is a final year elective unit to prepare students for a career in transportation engineering, as well as to provide them with an understanding of the analytical processes involved in urban transport planning. It covers all transport modes and places emphasis on the planning and evaluation of transport systems. The unit is designed to highlight the economic, environmental and social impacts of transportation projects. The unit complements CEB323 Transport Engineering 1, by dealing in-depth with urban transportation planning and evaluation.

Prerequisite(s): CEB323 **Campus:** Gardens Point

CEB509 Project Management and Administration

This unit introduces some of the issues relating to the management of construction projects from both practical and theoretical points of view. Topics covered include the following: leadership and management of organisations and people; planning of a project; engaging of consultants, subcontractors and suppliers; co-ordination of project activities; cost control and claims; legal and insurance issues; information technology issues; written and verbal communication skills; problem solving, and managing and

preventing disputes. Assessment is practical and progressive during the semester and includes a final examination.

Prerequisite(s): CEB216, CEB412 **Campus:** Gardens Point

CEB513 Advanced Construction Practice

Professional engineers generally work in a highly stressed commercial environment with competing pressures. A student in final year should be exposed to realistic experiences. This subject integrates what has already been taught in the specific civil engineering disciplines and requires the student to prepare and submit a commercial tender for a construction project. Teams of students competitively bid for the project. In addition, relevant legal and commercial issues associated with the tender and subsequent administration of the particular construction contract are covered so that the student appreciates the realities associated with a construction project.

Prerequisite(s): CEB216 **Contact hours:** 4 per week

Campus: Gardens Point

CEB514 Project Control

Contemporary engineering demands that the practising engineer needs to master not only basic design and construction concepts but also current management practices. Engineers, whether they are in construction, design or maintenance need to understand the effect that economic decisions made at federal and state level have on their organisations. They must also realise that everyone has a different leadership style that must be fitted into the organisation's management structure. The subject is designed to provide an insight into the requirements, precepts and problems of project management of interdisciplinary projects.

Campus: Gardens Point

CEB516 Masonry Design

A structural engineer must have the ability to analyse and design engineering components and systems which use masonry as load bearing and in-fill non-structural panels. This course develops a basic understanding of Masonry Technology and Design using the Australian Standard 3700. It provides an understanding of the differences in the material properties of clay, concrete, calcium silicate bricks and blocks. This unit also provides an understanding of workmanship, site practices and construction details of masonry. Students develop the design skills needed for the design of masonry walls, reinforced or un-reinforced and discuss the difference in design procedures for the different masonry materials.

Campus: Gardens Point

CEB517 Advanced Engineering Studies

This unit provides an opportunity for students to learn how practicing engineers design cold-formed steel and composite structures. The unit has the following aims: to develop an understanding of the design process and how it interacts with the fundamental knowledge of materials and structural analysis; to use advanced computer tools for analysis and design; to work as part of a design team; to present written reports. Students in groups of two will participate in projects to analyse and design cold-formed

steel and composite structures.

Campus: Gardens Point

CEB518 River and Coastal Engineering

Many civil engineers are involved in the analysis and design of engineering works in the river and coastal environment. An understanding of the physical processes taking place is a fundamental requirement if engineers are to take an active role in the management of this dynamic environment. This unit builds on the fundamental principles of fluid behaviour covered in Hydraulic Engineering CEB217 and Water Engineering CEB319 and extend these principles to the river and coastal environment. It relies on a prior understanding of physics, mathematics and solid mechanics, and basic hydraulic engineering principles.

Prerequisite(s): CEB319 **Campus:** Gardens Point

CEB522 Geotechnical Engineering Practice

This unit considers the use of soil and/or rock as an engineering material. The unit includes a wide range of activities such as: site investigation and design for building, bridge and other foundations; materials selection, design and construction control for dams, road pavements and embankments; landslide stabilisation and tunnel excavation and support. Following on from the work done in Geotechnical Engineering 1 and Geotechnical Engineering 2, this elective strengthens the understanding of geomechanics, and develops geotechnical investigation, design and construction skills. Three case studies are undertaken, selected from the following: soil reinforcements; lateral loading on piles; embankments on soft soil rock slope stabilisation; house foundations o

Prerequisite(s): CEB322 **Contact hours:** 4 per week

Campus: Gardens Point

CLB001 Records Management

This unit introduces the paper-based and electronic records and information systems operating within and between organisations and the impact that changes in communication technology have had on these systems.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** COB121

CLB002 Computer Applications in BCT

This unit includes the study of the use of technology for document preparation, analysis of underlying principles of skills acquisition and traditional and technological perspectives on the following: document design, document formatting, business correspondence, tabulation, financial statements, business forms, and document formatting for specialised businesses.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** COB119

CLB003 Administrative Procedures

This unit includes an analysis of business environments in a variety of industries: communication practices, communication flows, functions and operational procedures, and the influence and impact of communication technology.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLB004 Foundation: Text Design and Communication

This unit examines literacy from contemporary perspectives. Literacy education has tended to make an artificial divide between the printed word and visual information. Increasingly, contemporary literate practices combine multiple text forms employing a range of media and technologies to communicate. Texts are spoken, written, visual imagery and other symbolic forms, and are presented in multimedia combinations and digital interactive contexts. This unit examines the complex simultaneity of texts, delivery modes and media that have specific and more general, social and cultural meaning.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture

CLB005 Foundation: Wellness and Active Citizenship

This unit explores the links between a holistic notion of health and wellness and the practice of active citizenship. It investigates the connections between human wellness, behaviour and particular social, cultural, civic, economic and environmental relationships that characterise communities at particular times and places. Students are encouraged to critically analyse such connections and utilise their knowledge and understanding to develop a sense of purpose about wellness and active citizenship in an increasingly globalised world.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Incompatible with:** CLB369

CLB006 Teaching Reading and Writing

New basics emerge in literacy education. The privileged status of print as the almost exclusive basis to literacy has diminished. Postmodern media culture is powerful and pervasive, and knowledge communication today is as much through multimedia as it is through the single medium of print. This unit acknowledges that children now form their early concepts about literacy from textual environments that are considerably more complex than for those of their predecessors. Contemporary language and literacy education must base its practices on texts from a range of technologies, involving different media, and in recognition of diverse contexts and social purposes for communicating.

Credit points: 12 **Campus:** Kelvin Grove and Caboolture **Incompatible with:** CLB348

CLB007 Learning Literacy by Design

You are required to engage with socio-critical and inclusive principles and practices relating to language and literacy education. You will plan for literacy development in a range of contexts, and examine how strategic practice is linked to particular theories of language and literacy development.

Credit points: 12 **Campus:** Kelvin Grove **Incompatible with:** CLB349

CLB008 Teaching Primary SOSE

This unit focuses on recent developments within the social education curriculum area with particular reference to Studies of Society and Environment (SOSE), a national key learning area and explores teaching and learning approaches in SOSE. Understanding the processes of curriculum development and being able to interpret curriculum documents and their implications for classroom practice are essential professional skills. Students will

investigate SOSE as a curriculum area and to consider ways of translating syllabus requirements into worthwhile teaching and learning activities. Students will critically reflect upon both the theory and the practical suggestions throughout the unit and to consider how effective teaching can be achieved.

Prerequisite(s): CLB005 **Corequisite(s):** CLB005
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Incompatible with:** CLB376, CLB122, CLB374

CLB010 Accounting and Business Management Curriculum Studies 2

This unit is the second in a suite of three complementary units which can be undertaken in Business Education. It has been designed to expand on previous planning and teaching strategies with a major focus on assessment. Students will examine the QSA Senior Accounting and Business Organisation and Management Syllabi to understand mandatory aspects of each syllabus. This unit will prepare students for their professional role as a teacher of secondary business education subjects, in particular, Accounting and Business Organisation and Management.

Prerequisite(s): CLB009 or CLB051 **Credit points:** 12
Campus: Kelvin Grove and External

CLB013 Business and Communication Technologies Curriculum Studies 2

This unit is the second in a suite of three complementary units which can be undertaken in Business Education. It has been designed to expand on previous planning and teaching strategies with a major focus on assessment. Students will examine the QSA Senior BCT Syllabus to understand mandatory aspects of the syllabus and will prepare students for their professional role as a teacher of secondary business education subjects, in particular, BCT.

Prerequisite(s): CLB012 or CLB051 **Credit points:** 12
Campus: Kelvin Grove

CLB016 Economics Curriculum Studies 2

This unit provides pre-service teachers with the opportunities to develop an understanding of teaching and learning in Economics and Studies of Society and Environment (SOSE). The significance of critical approaches and outcomes based approaches are explored in the context of the principles of SOSE/Social Education, pedagogical approaches, syllabus and assessment requirements.

Prerequisite(s): CLB015 or CLB054 or CLB051
Campus: Kelvin Grove

CLB018 English Curriculum Studies 1

This introduction to English teaching in secondary schools, provides an indispensable foundation on which English Curriculum Studies II and III are built. Students will develop an understanding of the theories of language and texts that underpin secondary English curriculum and pedagogy and which condition students learning within English classrooms. Students will have opportunities to apply their learning to their field observations and to plan to put theory of language, texts and learners into practice for English teaching.

Prerequisite(s): 24 credit points in appropriate discipline

studies **Credit points:** 12 **Campus:** Kelvin Grove

CLB019 English Curriculum Studies 2

This unit provides an opportunity to develop a theorized understanding of the Queensland English Syllabus for Years 1-10 and to implement this understanding by developing lessons and curriculum units that are appropriate for the needs and interests of diverse learners in a range of sociocultural contexts.

Prerequisite(s): CLB018 **Credit points:** 12 **Campus:** Kelvin Grove

CLB020 English Curriculum Studies 3

This unit provides opportunities to develop a theorized understanding of the Queensland English Syllabus for Years 11 and 12, Senior English Communication (SAS) and the Senior English Extension (Literature) Syllabus, and to implement this understanding by analysing and developing senior English programs, teaching and assessment strategies that are appropriate for the needs and interests of diverse learners in particular sociocultural contexts.

Prerequisite(s): CLB019 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

CLB021 English as a Second Language Curriculum Studies 1

Effective ESL practitioners require a knowledge and understanding of the many factors that impact on the effective learning of a second (or an additional) language and on learning curriculum content through an additional language. They also need to know how these factors influence planning for learning and how they can be managed to maximise learning outcomes. In this first curriculum unit, students will engage with some of the theory that influences approaches to teaching English as an additional language across the curriculum. Students will engage with the documents that impact on planning for ESL teaching and learning eg ESL Framework of Stages and NLLIA ESL Bandscales.

Prerequisite(s): 24 credit points in appropriate discipline studies **Credit points:** 12 **Contact hours:** 3 per week
Campus: Kelvin Grove

CLB022 ESL Curriculum Studies 2

This unit introduces the theoretical and practical knowledge and skills required by an effective practitioner in the complex social environment of the classroom.

Prerequisite(s): CLB021 **Credit points:** 12 **Campus:** Kelvin Grove

CLB023 ESL Curriculum Studies 3

This unit introduces the theoretical and practical knowledge and skills required by an effective practitioner in the complex social environment of the classroom.

Prerequisite(s): CLB022 **Credit points:** 12 **Campus:** Kelvin Grove

CLB024 Film and Media Curriculum Studies 1

This unit is designed to develop competencies needed for planning and teaching in junior secondary Media (Years 8-10). Students will be introduced to the current curricular directions and frameworks for junior media (1-10) and its applications across the curriculum. The unit will build on the

understandings and skills students developed in the unit Teaching and Learning Studies I and II and relate also to Field Studies I. This should assist in preparing students for the further Field Studies components of the course.

Prerequisite(s): 24 credit points in appropriate discipline studies **Credit points:** 12 **Contact hours:** 3 per week
Campus: Kelvin Grove

CLB025 Film and Media Curriculum Studies 2

This unit allows students to apply theoretical knowledge of the curriculum and their Film and Media discipline units to senior secondary contexts. The unit offers the opportunity to develop research and presentation skills by formally researching and discussing the teaching implications of a number of current topics in film and media education.

Prerequisite(s): CLB024 **Credit points:** 12 **Campus:** Kelvin Grove

CLB026 Film and Media Curriculum Studies 3

This unit allows students to apply technological concepts and skills in senior and junior media studies and across other curriculum areas. The unit helps students understand and design pre-production texts investigating the role of technologies in the senior curriculum.

Prerequisite(s): CLB025 **Credit points:** 12 **Campus:** Kelvin Grove

CLB028 Geography Curriculum Studies 2

This unit provides opportunities to develop an understanding of teaching and learning in Geography and Studies of Society and Environment.

Prerequisite(s): CLB027 **Credit points:** 12 **Campus:** Kelvin Grove

CLB031 History Curriculum Studies 2

This unit provides opportunities to develop an understanding of teaching and learning in History and Studies of Society and Environment (SOSE).

Prerequisite(s): CLB030 **Credit points:** 12 **Campus:** Kelvin Grove

CLB034 Legal Studies Curriculum Studies 2

The second of three complementary units in Legal Studies Curriculum. Units are designed to help prepare students for a professional role as a teacher of secondary school Senior Legal Studies, and also to prepare them to teach in lower secondary subjects which are law-related, particularly the Civics syllabus of SOSE.

Prerequisite(s): CLB051 or CLB033 **Credit points:** 12
Campus: Kelvin Grove

CLB036 LOTE Curriculum Studies 1

This unit allows students to develop an understanding of the language learning process and their awareness of the place of languages in the school curriculum. Students will be encouraged to become reflective learners/teachers who can analyse the contexts in which they work, are familiar with policy and curriculum issues and are able to make soundly-based professional judgments designed to maximize learning for all students.

Prerequisite(s): 24cp in appropriate discipline studies
Credit points: 12 **Campus:** Kelvin Grove

CLB037 LOTE Curriculum Studies 2

Practising teachers need to be aware that syllabuses, policy documents and the classroom practices and teaching strategies to which they give rise reflect underlying views of language and learning.

Prerequisite(s): CLB036 **Credit points:** 12 **Campus:** Kelvin Grove

CLB038 LOTE Curriculum Studies 3

This unit builds on the two previous units and explores in greater depth a range of practical and theoretical issues in the area of LOTE curriculum development and implementation.

Prerequisite(s): CLB037 **Credit points:** 12 **Campus:** Kelvin Grove

CLB040 Social Science Curriculum Studies 2

This unit involves translating the syllabuses into modules or units of work, as well as placing an emphasis on assessment principles in Social Science. Students will also be involved in the development of advanced teaching strategies.

Prerequisite(s): CLB054 or CLB039 **Credit points:** 12
Campus: Kelvin Grove

CLB042 Primary LOTE Curriculum Studies

Develops an understanding of the second language learning process and awareness of the place of languages in the primary school curriculum. Students will analyze the contexts in which you work, deal confidently with policy and curriculum issues and make soundly-based professional judgments designed to maximize learning for all students.

Prerequisite(s): U/grads 4 LOTE units, P/grads 6 LOTE units **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

CLB045 Becoming a Second Language User

This unit aims to develop understanding of the processes of second language acquisition from both a practical and theoretical perspective. Students will gain an insight into the attributes of second language users and the issues facing them in contemporary education.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

CLB049 The Global Teacher

This unit enhances the skills of educators to design curriculum and pedagogy in ways that address global citizenship and educational and human rights.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

CLB050 Movies and Popular Culture

Credit points: 12 **Campus:** Kelvin Grove

CLB051 Business Education Curriculum Studies 1

This is the first of three complementary units in the teaching of Business Education. The three units have been designed to help prepare you for a professional role as a teacher of lower and senior secondary school Business Education subjects (Accounting Business Management, Business Communication Technologies, Economics, Legal Studies,

and ICT. In this first unit, the focus will be on curriculum development and teaching approaches in Lower Secondary Business and ICT Education.

Prerequisite(s): 48 cps of appropriate discipline studies
Corequisite(s): Nil **Credit points:** 12 **Campus:** Kelvin Grove

CLB053 Business Education Curriculum Studies 3

This unit, the final of three complementary units in the teaching of Business and ICT Education, will develop further your professional knowledge and skills as a learner-focused educator and skilled curriculum developer. The unit explores relevant issues, pedagogy and professional requirements essential for teachers of Business and ICT Education in the twenty-first century classroom.

Corequisite(s): Relevant Curriculum Studies 2 unit
Credit points: 12 **Campus:** Internet and Kelvin Grove

CLB054 Social Education Curriculum Studies 1

This is the first of three complementary units in Social Education curriculum aimed at preparing you to teach Social Science subjects in the lower secondary school. This unit focuses on recent developments within the curriculum area of social education, with particular reference to the field of Studies of Society and Environment (SOSE) – a national Key Learning Area. It explores the theoretical context for these curriculum areas, and places emphasis on the links between theory and practice.

Prerequisite(s): 48 cps of appropriate discipline studies
Credit points: 12 **Campus:** Kelvin Grove

CLB056 Social Education Curriculum Studies 3

This is the third of three complementary units in Social Education curriculum. The aim of this unit is to provide you with opportunities to develop an understanding of the ways in which new policies and initiatives have impacted on teaching and learning in social sciences and specific discipline studies in the senior school.

Prerequisite(s): Nil **Corequisite(s):** Relevant Curriculum Studies 2 unit **Credit points:** 12 **Campus:** Internet and Kelvin Grove

CLB320 Studies In Language

This unit addresses the following topics: the language basis in current approaches to the teaching of English; nature and function of language; the dynamics involved in interactive situations; the appropriateness of language forms used in various social contexts; the educational implications of linguistic diversity within the community; the recognition of the developmental features of adolescent language.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLB321 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:**

Kelvin Grove

CLB322 Literature In Secondary Teaching

This unit covers the following topics: 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLB323 Teaching Adolescent Literature

This unit addresses the following topics: 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLB347 Teaching English as an Additional Language

This elective unit for students in all teaching specialisations will develop understanding of specific language and learning needs of students for whom English is a second language. It deals with differences in first and second language development, professional implications of significant policy initiatives related to second language learners, and issues in analysis, assessment and cross-cultural communication. Participants will also investigate language demands of their own area of specialisation and develop appropriate teaching techniques and resources.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLB375 Exploring Outdoors: Education in the Environment

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.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLB403 Gender And Sexuality Issues For Teachers

This unit addresses the following topics: gender and sexualities in cultural and school contexts; historical overview of gender relations; theoretical frameworks for gender and current debates in Australia about gender and equity; femininity and masculinity as social constructs; sexuality and the body; violence and gender; debates about boys' behaviour and performance in Australian schools.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Internet and Kelvin Grove

CLB441 Children's Literature

This unit provides students with the opportunity to extend their knowledge of children's literature written by both Australian and overseas writers. It examines traditional and

emerging genres, develops critical approaches to texts, and considers ways of using children's literature in the classroom.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Internet and Kelvin Grove

CLB446 Understanding Texts and Writing

Over the past twenty years, linguistic studies have increasingly informed the development of language curriculum, the assessment of language, and the processes of language and literacy learning in schools. Over the same time the need for teachers to have systematic knowledge of language and how it works has been recognised. In much of Australia this systematic approach to describing language comes principally from the systemic functional school of linguistics. This unit provides an organised, contextualised introduction to that linguistic model through workshop sessions involving the writing and reading of a range of genre. In this unit, students will learn to critically evaluate texts, their purposes and the language resources employed by writers.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLB452 Media Literacy And The School

The unit aims to equip future teachers with an understanding of media literacy that they can apply to their own professional growth and incorporate into an educational environment. Aspects of media techniques and practices, relationships between culture and meaning; nature of an audience, and concepts of agents and industry will be explored.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove
Incompatible with: LAP513

CLN601 Cyberlearning

This unit addresses the challenges, opportunities and implications for learning and teaching in dynamic, information-rich online environments. It enables students to: critically and creatively engage with contemporary concepts, technologies and practices for diverse educational, professional and information contexts, including school libraries; participate in an online learning community; collaborate in the design, development and evaluation of online learning resources.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** External

CLN603 Designing Spaces for Learning

This unit provides a foundation for understanding the complex relations among space place and learning pedagogies appropriate to the design of innovative, adaptable supportive spaces for learning in future-oriented educational contexts.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

CLN604 Globalisation and Educational Change

This unit explores how different paradigms interpret globalisation, global change and the implications for education. It undertakes a comparative analysis of the

impact of globalisation on schooling, higher education and the work of multilateral agencies in education across different national and local contexts. Also compared are the impacts of local, national and global forces on the shaping of cultural identities and citizenship. It discusses the implications of internationalisation and new learning technologies for future conceptions of education, for work preparation and for citizenship responsibilities, and uses a 'futures' perspective to discuss the extent to which national education policies are meeting future educational needs.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLN608 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.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLN612 Principles Of Second Language Methodology

This unit considers 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.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLN613 Second Language Curriculum Design Options

This unit introduces the factors that influence teachers in the development of language programs. It 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.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLN615 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.

Prerequisite(s): CLN618 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

CLN616 Language Assessment In TESOL

This unit introduces the theories and practices in program evaluation, language testing and proficiency assessment. It examines and evaluates standardised tests and instruments that are used to assess the English language proficiency of speakers for whom English is a second language.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLN617 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.

Prerequisite(s): Nil - with permission of course coordinator
Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLN618 Technology And Second Language Learning

The twentieth century saw a rapid change in the technology available to language teachers. This unit explores 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 email, list servers and bulletin boards.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLN619 Functional Grammar And Discourse

When we use language to enact our everyday lives, to teach and to learn, we use discourses to do so. Through this unit, students develop both the knowledge and the tools to analyse how discourses, comprising texts, make meaning linguistically. Students will analyse and discuss how meaning is constructed through interacting socio-cultural contexts and texts. Studies include the relationships among discourse, genre, register and text, involving the role of coherence and cohesion in text level meaning, of transitivity, mood and theme/rheme in clause level meaning, and of nominal, verbal and prepositional groups in group level meaning. Significant linguistic features of written and spoken language are identified and discussed.

Credit points: 12

CLN620 Language And Culture

This unit explores the relationship between language and culture drawing on insights from linguistics, sociolinguistics and cultural theory. It analyses the co-constitutive nature of language and culture, and examines how this relationship can be explored in the TESOL context.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLN621 Principles of English as a Foreign Language (EFL) Methodology

International students preparing to become English language teachers in EFL contexts require knowledge of current approaches to and issues in English language methodology. The key principles and concepts involved in language teachers' decision-making relate to: theories of language, theories of language learning and teaching and social and cultural factors which influence both teachers and learners in language classrooms. This unit responds to the demand for more specifically EFL-oriented teacher preparation which caters to recent graduates from overseas

contexts who have not yet begun their professional careers as EFL teachers.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12

CLN622 Professional Practice in the EFL Context

International students wishing to become EFL (English as a Foreign Language) teachers in their home contexts but have no prior teaching experience require a foundational orientation to both general classroom practice and EFL teaching strategies. This unit is designed to provide this primary orientation and introduction to the core principles and practices associated with teaching English in EFL contexts.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12

CLN640 Sociolinguistics

This unit is an introduction to sociolinguistics, the study of language as social process and practice. Topics covered include the following: language functions and varieties; regional and social dialects, styles and registers; pidgin and Creole languages; language as social practice; discourse; speech communities; language and power; sociolinguistics and language teaching.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLN641 From Theory To Practice - Practical Applications In The TESOL Classroom

This unit focuses on Communicative Language Teaching (CLT). It extends students' knowledge of the general trends in methodology learned in CLN612, by providing a theoretical basis for CLT and various opportunities to apply the theoretical framework to classroom practice.

Prerequisite(s): CLN612 **Corequisite(s):** CLN612
Credit points: 12 **Contact hours:** 3 per week **Campus:** Internet and Kelvin Grove

CLN642 Grammar For Teachers

This unit assists language teachers develop a better understanding of grammar and its place in the teaching and learning of a second language. Participants will develop their own language awareness and explore a range of strategies and techniques for the effective integration of grammar instruction into language programs.

Prerequisite(s): CLN608, CLN612 **Corequisite(s):** CLN608, CLN612 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

CLN643 English Language Teaching Management

This unit examines a range of issues of relevance for ESL program directors and managers: organisational cultures; educational leadership and human resource management in TESOL; the role of teachers in the TESOL service industry; legal and industrial contexts of TESOL in Australia; TESOL marketing, promotion and funding; the implications of globalised English language teaching.

Prerequisite(s): Nil **Corequisite(s):** Nil

CLN646 Learning Hubs

The unit provides a research based, theoretical and practical context for exploring organisational, pedagogical,

technological and professional dimensions of school libraries and other information services for prospective teacher-librarians information professionals and other educators.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet

CLN647 Youth, Popular Culture, and Texts

In the diverse terrain of popular culture, youth find the resources and means for identity formation, social relations and pleasure, and develop a range of knowledge, skills, values and attitudes. Educators need to understand the ways popular cultural texts (literary, mass media, computer-based and digital) form the cultural capital of youth and give meaning to their lived experiences.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet

CLN650 Information-Learning Nexus

This unit supports the critical, ethical and creative engagement of teacher-librarians, educators and information professionals with a diverse array of information, concepts, technologies, social networks, resources and practices pertinent to contemporary information-learning environments. The unit develops conceptual and strategic approaches to enable independent and connected learning via libraries and other information-rich learning sites.

Credit points: 12

CLN651 Multiliteracies and Communication: Purpose, Context and Audience

The digital revolution in communication and information technologies has created new forms of literacy that have helped to produce a globalised world and text exchange that is more complex than it has ever been. The unit aims to provide you with opportunities to develop theoretical and applied literacies knowledge for a range of purposes and audiences and to apply multiliteracies pedagogy across professional contexts.

Credit points: 12

CLN652 Literacies For English Language Learners

Credit points: 12

CLN653 Disciplinary Literacies

To be literate within subject disciplines requires much more than reading and writing different genres. It is important to explore a variety of designs of meaning such as audio, visual, spatial, gestural and linguistic as they pertain to particular texts or media within disciplines. Disciplinary literacies are not only about learning established knowledge, but also about questioning it, relating it to life-worlds and offering alternatives as new knowledge is produced.

Credit points: 12

CLN654 Grammar, Text Types and Modes of Delivery

This unit provides opportunities to investigate grammatical knowledge appropriate to a range of singular and multimodal text types and to (de)construct text according to that knowledge. Participants will explore their own multimodal text interests through advanced studies in grammar.

Credit points: 12

CLN655 Contexts and Issues in Vocational Education

This unit examines theoretical frameworks for understanding vocational education in international, national and local contexts. The educational and political nature of VE is explored, along with its impact on administrators, registered training organisations and other businesses. VE policies and procedures are now integral to most post-compulsory educational settings throughout the developed world.

Credit points: 12

CLN656 Futures

This unit provides opportunities for educators to make visible and to interrogate the spaces and places of learning and teaching. Participants in the unit are encouraged to be proactive in the designing of learning spaces premised on understandings about the human dimensions of built spaces and on critical evaluation of social, cultural, technological, and pedagogical influences and responsive to the identities and needs of particular groups of learners.

Credit points: 12

CLN657 The Creative Public Educator

For public education to effectively engage with the challenges, risks and rewards posed by our globalised, ICT-enabled highly innovative society, public school teachers and administrators will need new professional knowledges and skills and the capacity to engage actively in pedagogical innovation and curriculum design. Only through such creative approaches will the work of public school teachers and administrators remain relevant, vibrant, meaningful and accountable in contemporary contexts.

Credit points: 12

CLP400 Middle Years: Multiliteracies

This unit provides students with the opportunity to develop concepts of themselves as life-long learners and to demonstrate capacities as effective communicators across media through engagement with critical and socio-cultural principles of language and literacy education. The unit models curriculum development principles, inclusivity and reflective practices that involve problem-based learning.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Incompatible with:** CLB123

CLP401 Middle Years: Transdisciplinary Arts and SOSE

This unit aims to enhance students' understanding of the nature of SOSE and the ARTS as curriculum areas and to highlight the advantages of bringing these areas of learning together. It also aims to provide the opportunity to engage with the relevant syllabus and curriculum documents by translating goals and outcomes into innovative middle-years teaching units.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Incompatible with:** CLB376, CLB122, CLB008

CLP402 Business Education Curriculum Studies 1

This is the first of three complementary units in the teaching of Business Education. The three units have been designed to help prepare you for a professional role as a teacher of lower and senior secondary school Business Education subjects (Accounting Business Management, Business Communication Technologies, Economics, Legal Studies, and ICT). In this first unit, the focus will be on curriculum development and teaching approaches in Lower Secondary Business and ICT Education.

Prerequisite(s): 48 cps of appropriate discipline studies

Credit points: 12 **Campus:** Internet and Kelvin Grove

CLP403 Business Education Curriculum Studies 2 (Business Communication and Technology)

This unit is the second in a suite of three complementary units which can be undertaken in Business Education. It has been designed to expand on previous planning and teaching strategies with a major focus on assessment. Students will examine the QSA Senior BCT Syllabus to understand mandatory aspects of the syllabus and will prepare students for their professional role as a teacher of secondary business education subjects, in particular, BCT

Prerequisite(s): CLP402 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

CLP404 Business Education Curriculum Studies 2 (Accounting and Business Management)

This unit is the second in a suite of three complementary units which can be undertaken in Business Education. It has been designed to expand on previous planning and teaching strategies with a major focus on assessment. Students will examine the QSA Senior Accounting and Business Organisation and Management Syllabi to understand mandatory aspects of each syllabus. This unit will prepare students for their professional role as a teacher of secondary business education subjects, in particular, Accounting and Business Organisation and Management.

Prerequisite(s): CLP402 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

CLP406 Legal Studies Education Curriculum Studies

This unit is the second in a suite of three complementary units which can be undertaken in either the Business Education or Social Education streams. It has been designed to expand on previous planning and teaching strategies with a major focus on assessment. Students will examine the QSA Legal Studies Syllabus to understand mandatory aspects of the syllabus. This unit will prepare students for their professional role as a teacher of secondary Legal Studies.

Prerequisite(s): CLP402 or CLP414 **Credit points:** 12

Campus: Internet and Kelvin Grove

CLP407 Business Education Curriculum Studies 3

This unit, the final of three complementary units in the teaching of Business and ICT Education, will develop further your professional knowledge and skills as a learner-focused educator and skilled curriculum developer. The unit explores relevant issues, pedagogy and professional requirements essential for teachers of Business and ICT Education in the twenty-first century classroom.

Prerequisite(s): Nil **Corequisite(s):** CLP403 or CLP404

or MDP455 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

CLP408 English Education Curriculum Studies 1

An introduction to English teaching in secondary schools, providing an indispensable foundation for subsequent English Curriculum Studies. You will develop an understanding of language learners, and of the theories of language and texts which underpin secondary English curriculum and pedagogy and which condition students' learning within English classrooms. You will have opportunities during your field studies to conduct inquiry-oriented language-focused observations of a range of students, evaluate their language learning needs and devise appropriate learning experiences for them.

Prerequisite(s): 48cp in appropriate discipline studies

Corequisite(s): Field Studies 1 **Credit points:** 12

Campus: Internet and Kelvin Grove

CLP409 English Education Curriculum Studies 2

This unit aims to provide you with opportunities to develop a critical understanding of the theories and principles which inform the Queensland English Syllabus for Years 1-10 and to implement this understanding by developing junior secondary curriculum units and lessons which are appropriate for the needs and interests of diverse learners in a range of sociocultural contexts.

Prerequisite(s): CLP408 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

CLP410 English Education Curriculum Studies 3

In this unit, you will develop and implement your understanding of the range of disciplinary approaches (such as Literary and Cultural Studies, Film and Media Studies, and sociolinguistics) which contribute to secondary English curriculum and pedagogy. The policy context is the Queensland English Syllabus for Years 11 and 12, Senior English Communication (SAS), the Senior English Extension (Literature) Syllabus, and school to work transition programs. You will learn to evaluate and develop English work programs for students in the post-compulsory years.

Prerequisite(s): Nil **Corequisite(s):** CLP409 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

CLP411 Languages Education Curriculum Studies 1

Languages Education Curriculum Studies 1 aims to develop your understanding of the language learning process and your awareness of the place of languages in the school curriculum. This unit will focus on developing your understanding of language learning, the place of languages and literacies in the school curriculum and the role of the language teacher in developing linguistic and cultural awareness.

Prerequisite(s): At least 48 cp in appropriate discipline studies **Corequisite(s):** Nil **Credit points:** 12

Campus: Kelvin Grove

CLP412 Languages Education Curriculum Studies 2

This unit involves further discussion of the theoretical fundamentals of language curriculum development and methodology and exploration of the major issues that face language teachers in their daily pedagogical decision

making. It will develop your capacity to plan learning experiences which support students' involvement in multi-literate practices and develop strategic language learning skills which they can use beyond the classroom.

Prerequisite(s): CLP411 **Credit points:** 12 **Campus:** Kelvin Grove

CLP413 Languages Education Curriculum Studies 3

This unit focuses on the development of effective language programs and assessment practices for secondary students, including Senior assessment and outcomes-based assessment in a variety of contexts. This unit aims to support you in expanding your teaching repertoire so that you can provide all learners with an effective learning environment based on a critical awareness of good professional practice.

Credit points: 12 **Campus:** Kelvin Grove

CLP414 Social Education Curriculum Studies 1

This is the first of three complementary units in Social Education curriculum aimed at preparing you to teach Social Science subjects in the lower secondary school. This unit focuses on recent developments within the curriculum area of social education, with particular reference to the field of Studies of Society and Environment (SOSE) – a national Key Learning Area. It explores the theoretical context for these curriculum areas, and places emphasis on the links between theory and practice.

Prerequisite(s): 48 cps of appropriate discipline studies
Corequisite(s): Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

CLP415 Social Education Curriculum Studies 2 (Geography)

This is the second of three complementary units to be taken in the Social Education stream. This unit has been designed specifically to prepare you for a professional role as a teacher of geography in the years of secondary school. It will build on the planning and teaching strategies developed in your first curriculum studies unit. In this second curriculum unit you will explore in depth theories that influence approaches to teaching in geography and ways of catering for diversity in the classroom.

Prerequisite(s): CLP414 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

CLP416 Social Education Curriculum Studies 2 (History)

This is the second of three complementary units in Social Education curriculum designed to prepare you for a professional role as a teacher of Senior Social Science subjects in the secondary school. This unit builds on the focus of your first curriculum studies unit and extends your knowledge and understanding of the nature of history and historical inquiry developed in the History Curriculum Elective.

Prerequisite(s): CLP414 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

CLP417 Social Education Curriculum Studies 2 (Senior Social Science)

This is the second in a suite of three complementary units which are undertaken in the Social Education Stream. This unit has been designed to prepare you for a professional role as a teacher of secondary school Senior Social Science subjects. The aim of this unit is to provide you with opportunities to develop an understanding of teaching and learning and assessment in the social sciences within the senior secondary school.

Prerequisite(s): CLP414 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

CLP418 Social Education Curriculum Studies 3

This is the third of three complementary units in Social Education curriculum. The aim of this unit is to provide you with opportunities to develop an understanding of the ways in which new policies and initiatives have impacted on teaching and learning in social sciences and specific discipline studies in the senior school.

Prerequisite(s): Nil **Corequisite(s):** Relevant Curriculum Studies 2 unit **Credit points:** 12 **Campus:** Internet and Kelvin Grove

CLP419 Social Education Curriculum - Senior History

The aim of this elective unit is to provide you with opportunities to develop an understanding of teaching and learning in history. You will investigate how learning through historical inquiry develops specific historical understandings and skills that are the foundations for historical literacy. This unit provides opportunities for you to critique how recent developments in historical education are impacting upon curriculum development and teaching approaches in Senior Ancient and/or Senior Modern History.

Prerequisite(s): 48 cps of History discipline units
Corequisite(s): Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

CLP421 Primary Lote Curriculum Studies

Credit points: 12

CLP422 Film and Media Education Curriculum Studies 1

Credit points: 12

CLP423 Film and Media Education Curriculum Studies 2

Credit points: 12

CLP424 Film and Media Education Curriculum Studies 3

Credit points: 12

CNB390 Professional Practice

Professional experience forms an integral part of the property course. This unit seeks to provide students with a fully supervised University approved work experience placement of 30 days, complementary to their academic program. The unit is fully supported by the Australian Property Institute and the Institute plays a key role in monitoring student/host interaction to ensure students receive the best quality experience possible.

Prerequisite(s): Year 1 & 2 of CN54 **Campus:** Gardens Point

CNB402 Investment Theory

Construction Managers need to understand how property is valued and the different aspects of land that affect the

value. This unit includes content on concepts of valuation, types of landed property, income, and ownership costs and capitalisation rates. Students are also provided with concepts of investment theory including NPV, IRR and MIRR.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

CNB408 Advanced Building and Civil Construction

This unit focuses on non-standard buildings and structures in terms of constructability, construction methodology, planning, estimating, scheduling and site organisation. Significance of temporary works and the inherent need for planning and safety are included. Students study in detail the methods and equipment employed in the construction of earthworks, heavy foundations, steel fabrication and erection, marine and water retaining structures, roadworks and bridges, mechanical erection and electrical structures. The unit concludes with the broader issues of environmental management, construction weather forecasting and the management and social issues of work in remote locations.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

CNB409 Professional Practice 1

Professional experience forms an integral part of the academic program, allowing the students the opportunity to put into practice accumulated theory and simulated practical work. The aim of this unit is to facilitate students gaining relevant professional experience and varied management knowledge and skills in approved employment for a minimum of 100 days. A diary and logbook are to be completed and signed by employer. A key learning feature of this unit is the identification of a problem at the students employment and the preparation of a case study report on an actual development project, providing direct insight into the task of problem solving and delivering real projects.

Prerequisite(s): To be taken in final year of course

Corequisite(s): Employment in the Building Industry

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

CNB410 Property Development

A study of the property development process giving students a sound knowledge of how property developers identify, measure, structure and manage a property development undertaken in both residential and non-residential sectors of the market. This includes planning, building, legal, financial and environmental issues. The unit introduces the following: the development process; the planning process; identifying and screening development opportunities; market drivers; market demand analysis; income projections; options studies; design management; procurement methods; cost projections; feasibility analysis; authority approvals; development finance; financial structuring; risk management; and communicating with stakeholders.

Contact hours: 3 per week **Campus:** Gardens Point

CNB420 Current Construction Issues

This unit addresses new developments in construction and construction management focussing on recent and topical developments in the area of construction management. Areas covered by current construction issues will vary from year to year as advances are made in construction and construction management, but may include the following: quality management; buildability; value analysis; case studies; computer applications and selection; information systems, IT and AL; international construction management; recent developments in law; cultural influences in construction; new construction technologies and methodologies.

Contact hours: 3 per week **Campus:** Gardens Point

CNB423 Professional Practice 2

Professional experience forms an integral part of the academic programme, allowing the students the opportunity to put into practice accumulated theory and simulated practical work. The aim of this unit is to facilitate students gaining relevant professional experience and varied management knowledge and skills in approved employment for a minimum of 100 days. A diary and logbook are to be completed and signed by the employer. A key learning feature of this unit is the identification of a problem at the students place of employment and the preparation of a case study report on an actual development project, to provide direct insight into the task of problem solving and delivering real projects.

Prerequisite(s): To be taken in final year of course.

Corequisite(s): Employment in the Building Industry

Contact hours: 3 per week **Campus:** Gardens Point

CNB424 Specialist Measurement

Measurement is a core skill amongst building professionals. This skill is particularly important to students in relation to the production of quantified documents for the purposes of tendering and estimating. This unit is offered in the final year of the course due to the unusual and advanced nature of the construction technology to be measured. The unit covers the following: unusual building works; civil engineering works including earthworks, roadworks and piling; heavy engineering works including refinery/processing plant, mining and offshore platforms.

Prerequisite(s): CNB310 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

CNB425 International Construction

In this unit students examine history, culture, language, government and business structure and practices, construction methodology, construction management, and general business practices in a country or countries other than Australia, specifically those where issues and practices differ from common Australian practice. An optional student-funded international trip may be offered (likely to be 2-4 weeks) to allow students to experience first-hand the country studied during the semester allowing students to immerse themselves in the culture and further enhance their language skills. Students will be involved in site visits and workshop (studio) type activities during the tour.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

CNB433 Dissertation A

This unit allows students to explore underlying theory, and maximise the opportunity to investigate and develop an area of personal interest. The focus is on the following: research methodology; data collection and analysis; information literacy; information retrieval skills; literature review and research proposal writing activities; Statistical analysis is also included: introduction to statistics including the role of statistics; data types and properties; data reduction and pictorial presentation; numerical description of data such as population and samples; descriptive statistics; measure of central tendency; measures of dispersion; grouped data and misuse of descriptive statistics.

Prerequisite(s): Completion of first three years of course

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

CNB434 Dissertation B

Research and development is an important success factor in today's competitive and global environment. As a student research allows you to explore underlying theory behind your chosen area of interest. On the other hand, as a practitioner, the unit helps you to identify valuable and profitable research. This unit involves collection, analysis and interpretation of primary data in relation to work completed in CNB433, provision of conclusions and recommendations for further research.

Prerequisite(s): CNB433 **Contact hours:** 3 per week

Campus: Gardens Point

CNB480 Building Surveying Practice

Building certifiers must have the ability to locate, interpret and assess building plans to legislative requirements, a code of practice and ethical obligations. This unit ensures building certifiers have the fundamental knowledge in order to practice in Queensland. The unit includes the following: the examination of ethical responsibilities; legislative framework; integrated development assessment system (IDAS); interpretation of local planning instruments (Qld specific); State approvals; energy efficiency; and documenting performance based assessments to the Building Code of Australia.

Credit points: 12 **Campus:** Gardens Point

CNB481 Construction Dispute Management

A claim or dispute may arise between an owner and a contractor in contract negligence, nuisance or trespass relating to the performance of commercial or domestic building work. Rights and obligations exist in the performance of building work and participants should use appropriate techniques to avoid and manage disputes. This unit helps students develop the skills required to avoid and manage disputes. It includes the following: analysis of reasons that disputes occur; sources of disputes; statutory obligations to rectify defects; formal dispute resolution through tribunal and courts system; pro-active dispute avoidance techniques; preparation and presentation of a claim/response to a claim; role of an expert witness in disputes; and costs of disputes and wa

Credit points: 12 **Campus:** Gardens Point

CNB482 Measurement 4

Measurement is a core skill amongst building professionals. This skill is particularly important in relation to the production of quantified documents for the purposes of tendering and estimating. This unit covers the following: an examination of the latest software used in the generation of quantities, estimates and capital cost/life cycle cost plans including advanced CAD applications; measurement used to produce financial asset management statements including due diligence and sinking funds; and measurement and assessment of environmental impact of buildings.

Prerequisite(s): CNB310 **Credit points:** 12 **Campus:** Gardens Point

CNB483 Smart and Sustainable Construction

This is an assignment based group project work where students from different disciplines undertake project work on a project case study considering key smart and sustainable construction issues, sustainability and its impact on commercial construction development, flexible design considerations, innovative construction techniques, smart engineering services and intelligent building development. Project cases may include any of the following: multi-storey office building projects in the CBD; marina resort development on the tropical Queensland coast; Kelvin Grove Urban Village development; and/or sustainable housing development utilizing specific site characteristics.

Prerequisite(s): Completion of three years of full-time study in respective courses below or in equivalent courses: AR48, BN31, BN32, EE41, CE44, CE46, CN51, CN53, CN54, ME41 **Campus:** Gardens Point

CNB490-1 Research Dissertation

To produce a written dissertation on a topic of their choice, students will embark on a research project culminating in its presentation. Progression will be closely monitored and assistance provided by individual supervisors who will guide the student through the process.

Prerequisite(s): CNB395, completion of Year 3 of CN54

Credit points: 12 **Campus:** Gardens Point

CNB490-2 Research Dissertation

To produce a written dissertation on a topic of their choice, students will embark on a research project culminating in its presentation. Progression will be closely monitored and assistance provided by individual supervisors who will guide the student through the process.

Prerequisite(s): CNB395, completion of Year 3 of CN54

Credit points: 12 **Campus:** Gardens Point

CNB491 Rural Valuation

The unit utilises skills and knowledge learned from earlier units and applies these to the valuation of rural assets. In particular this unit examines the physical and economic factors of rural land and its development, land utilisation and degradation, farm management and productivity, and extraneous factors influencing rural valuations. Rural sales and valuation procedures are analysed and physical inspections organised to assist the student with gaining practical experience.

Prerequisite(s): CNB194 **Campus:** Gardens Point

CNB492 Business and Specialist Valuation

Campus: Gardens Point

CNB493 Advanced Property Valuation and Analysis

Campus: Gardens Point

CNB494 Advanced Market Research Analysis

This unit re-acquaints students with published property market data sources and methods of interpretation. It develops skills to source, analyse, interpret and report on primary property market data using appropriate analysis methods. Students are introduced to statistical software packages as a tool to assist the data analysis process.

Prerequisite(s): Completion of Year 3 of CN54 **Campus:** Gardens Point **Incompatible with:** CNP555

CNB495 Strategic Property and Facilities Management

This unit allows students to understand the broader strategic property management issues of property as a component of investment portfolios and as an integral element of business operations. It considers economic environment and property management issues. Base theory includes portfolio analysis and management, asset management and property/tenancy management, facilities management (concentrating on issues of organisation in relation to the identification, provision and management of property assets to support core business delivery), changes to the use of real property and emerging issues.

Prerequisite(s): CNB393, completion of Year 3 of CN54

Campus: Gardens Point

CNB496 Project Management

This unit introduces project management as a growing discipline/profession. It focuses on theories related to project definition, project scope, project tools and implementation. Key aspects covered include professional development, organisation design and project structure, communication, managing change and performance measurement (time, cost and quality).

Prerequisite(s): Completion of Year 3 of CN54 **Campus:** Gardens Point **Incompatible with:** CNP520

CNB497 Project Cost and Risk Management

The unit identifies fundamental project management principles that relate to economics, cost, risk management, the key elements of pro-active cost management and the implementation of risk evaluation. It revisits the macro-economic and micro-financial contexts of project, construction and property management and provides students with an understanding of the practical applications of responsibility, accountability, motivation, reporting and implementation of project cost management. Furthermore, it covers the area of risk management analysis functions, techniques and theories, cost management systems applicable to design cost, value management and project life cycle management.

Prerequisite(s): Completion of Year 3 of CN54 **Campus:** Gardens Point **Incompatible with:** CNP521

CNB498 Project Human Resource Management

Campus: Gardens Point

CNB499 International Project Development Management

The unit develops concepts of project development management introduced to the student in CNB496 Project Management, and places them in an international, or more specifically, Asia-Pacific regional context. To this end, the content will be similar to CNB496 with a focus on theories related to project definition and scope, project implementation and termination, and the latest developments affecting the practice of project management in organisations.

Prerequisite(s): Completion of Year 3 of CN54 **Campus:** Gardens Point **Incompatible with:** CNP534

CNN442-1 Dissertation

Students develop the skills necessary for conducting independent research by completing a dissertation on a chosen topic under the guidance of an appointed supervisor. The approved research topic must be in an area related to project management or property development. The unit also incorporates lectures in research methodology, and information retrieval skills.

Credit points: 24 **Campus:** Gardens Point

CNN442-2 Dissertation

Students develop the skills necessary for conducting independent research by completing a dissertation on a chosen topic under the guidance of an appointed supervisor. The approved research topic must be in an area related to project management or property development. The unit also incorporates lectures in research methodology, and information retrieval skills.

Credit points: 24 **Campus:** Gardens Point

CNP520 Project Management

This unit is an introduction to project management as a growing discipline/profession. The unit will focus on theories related to project definition, project scope, project tools and implementation. Key aspects covered include professional development, organisation design and project structure, communication, managing change and performance measurement (time, cost and quality).

Contact hours: offered in block mode **Campus:** Gardens Point

CNP521 Project Cost and Risk Management

Central to project and construction management are the identification of project risk and the control of project cost. The major objective of this unit is to educate students in the theory and application of the economics and management of project cost and risk. The unit covers techniques and tools essential for proactive project and cost management, and the fundamentals of risk evaluation associated with project implementation.

Contact hours: 3 per week **Campus:** Gardens Point

CNP532 Innovation and Technology Management

This unit introduces key concepts in better understanding the role of innovation and technology and its efficient management, to build and maintain a competitive edge in business. This unit links engineering, science and management principles to identify, choose and implement

the most effective means of attaining compatibility between an organisation and its competitive, economic and social environments.

Contact hours: Block format **Campus:** Gardens Point

CNP533 Project Management Law

This unit aims to create awareness of the legal environment in which the project manager operates. The project manager in the construction industry is exposed to a variety of legal situations on a day-to-day basis. It is important that the manager has the information on which to base decisions which reduce the risk of legal entanglement. The unit covers key principles of tort, contract and construction law from an Australian and international perspective. Dispute resolution processes and mediation are also studied from an Australian and international perspective.

Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: CNP433

CNP534 International Project Management

This unit introduces key concepts and furthers the understanding of international issues in project management from the perspective of the Australian project manager. It compares technical, managerial, economic and cultural concepts and trends related to project management in the competitive global marketplace. Material is covered from a market viewpoint as well as from the viewpoint of a single project and firm. Emerging opportunities and misconceptions are discussed, with particular reference to the Asia Pacific region.

Contact hours: Block format **Campus:** Gardens Point
Incompatible with: CNP406

CNP545 Project Development

This unit focuses on issues relating to the feasibility assessment of property development opportunities and the development process. Topics covered include the following: evaluation of project feasibility (financial, social and legal aspects); marketing; project team formation; and contract and procurement options.

Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: CNP426

CNP547 Property Investment

Property (or real estate) is one of a number of competing investments available in the investment market. The unit covers principles and strategies of property investment and evaluation techniques. Basic concepts of value and detailed financial viability studies are studied, including equity and cash flow models.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: CNP402, CNP438

CNP551 Project Human Resource Management

The most valuable and possibly expensive resource a project manager has is people. The manager needs to know how to maximise this resource by working with all those involved in the project. This unit introduces students to theory and skills in project management as they are applied to managing the people aspects of projects. Theories will be examined as they apply to practical issues. In addition to lectures on the human aspects of project management, an important component of this unit is experiential learning

through group dynamics and workshops.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: CNP431, CNP437

CNP554 Advanced Land Development

This unit focuses on the overall development process appropriate to the use of land in a variety of environments. It considers the drivers of development and the correct processes that should be followed to ensure both an economic and a functional result. It looks at land development within the Central Business District (CBD), suburban commercial, residential and industrial areas.

Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: CNP404

CNP555 Property Market Analysis

This unit covers the principles of property economics and market research methodology focusing on surveys and hypotheses testing, property market data available in Australia, and supply and demand studies of property.

Credit points: 12 **Campus:** Gardens Point

CNP556 Property Management and Contracts

This unit covers the following: property contracts (especially leases, partial rights, purchase and sale; lease management; rent statements and accounting procedures; computer based property management programs; property type differentials; and property portfolio management.

Credit points: 12 **Campus:** Gardens Point

CNP557 Property Finance and Capital Markets

This unit deals with property in a capital markets environment. It examines property as an asset class and the financing of property assets. It considers property in relation to institutional asset allocation, risk diversification and general decision making principles.

Prerequisite(s): CNP547 **Credit points:** 12 **Campus:** Gardens Point

CTB300 Internship

Prerequisite(s): Subject to Unit Coordinator approval and 96 credit points of prior studies. **Credit points:** 12

CTB301 Project

Prerequisite(s): Subject to Unit Coordinator approval and 96 credit points of prior studies. **Credit points:** 12

CTB302 Caboolture Special Topics

In this unit, students follow a specialised program agreed to by the academic staff member and the student. It may involve in-depth examination of an issue of importance, supervised work based experience, or the completion of a significant work related project such as a business plan or programming assignment.

Prerequisite(s): 96cp of approved study and Course Coordinator's approval **Credit points:** 12 **Contact hours:** Arranged with Course Coordinator **Campus:** Caboolture

DAB110 Architectural Design 1

This unit offers a broad introduction to the field of design as applied to architecture. It uses developmental exercises to enhance student perceptions of the built environment in a problem based learning environment. Analysis of the constructed environment leads to a number of design projects that engage with issues of context, tectonics, planning, form, and spatial quality. Orthogonal drawing exercises, freehand sketching, presentation graphics, and model making all form part of the unit content. Teaching and learning activities are spread across lectures, tutorials, and studio based activities.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DAB210 Architectural Design 2

This unit offers a focused introduction to the field of design through engagement with the explicit process of design as applied to architecture. It uses developmental exercises to enhance student perceptions of the built environment in a problem based learning environment. Architectural design as a manageable process is explored through a number of exercises and design projects. Discrete steps in the process of architectural design are made explicit through staged activities that build to a complete design project. Orthogonal drawing exercises, freehand sketching, presentation graphics, and model making all form part of the unit content. Teaching and learning activities are spread across lectures, tutorials, and studio based activities.

Prerequisite(s): DAB110 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DAB220 Placemaking in Architecture

The unit aims to promote students' awareness of concepts of environmental psychology such as territory, community, privacy, personal space and spatial perception from a variety of cultural perspectives. It also includes an introduction to the ways in which architecture is practiced and the concept of professionalism as it pertains to architectural practice. Further the unit explores social and cultural relationships between people and the institutions of society through the study of introductory sociology, cultural analysis and political economy. Teaching and learning activities are spread across lectures, tutorials, and studio based activities.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DAB310 Architectural Design 3

This unit offers an intermediate level investigation into the field of design as applied to architecture. It uses developmental exercises to enhance student perceptions of the built environment in a problem based learning environment. Design problems of increased complexity are tackled through a process of abstraction, experimentation, representation, imagination, and testing. Advanced orthogonal drawing exercises, freehand sketching, presentation graphics, documentation techniques, and model making all form part of the unit content. Teaching and learning activities are spread across lectures, tutorials, and studio based activities.

Prerequisite(s): DAB210 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DAB325 Architecture in the 20th Century

Designers in any discipline should possess the ability to appreciate the history of art, design and architecture. In addition, they should be able to analyse developments in design history from multiple perspectives. This unit is a survey course of the history and theory of architecture from the beginning of the 20th century to the present. Teaching and learning takes place through three forms of structured activity: lectures, tutorials, and online.

Prerequisite(s): DEB102 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point

DAB330 Integrated Technologies 1

This unit is designed to introduce the technical skills required for simple design projects. The studio consists of two segments namely architectural science and building structures. Thermal properties of building materials, climate and climatic elements as environmental factors influencing architectural design will be explored in detailed exercises. Also promoted will be the students' understanding of physical constraints and consequences of the behaviour of architectural structural solutions.

Prerequisite(s): BEB200 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DAB410 Architectural Design 4

This unit offers an intermediate level investigation into the field of design as applied to architecture. It uses developmental exercises to enhance student perceptions of the built environment in a problem based learning environment. Complex design problems deal with issues of social context, ethics, values, as well as the physical constraints of site, materials, climate, and technology. Design projects require the management of conflicting constraints to achieve optimal design proposals. Precedence, typologies, research and analysis, and representation techniques all form part of the unit content. Teaching and learning activities are spread across lectures, tutorials, and studio based activities.

Prerequisite(s): DAB310 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DAB420 Architecture, Culture and Space

Architecture is, arguably, a measure of a community's cultural mores; it reflects the attitudes, values and beliefs of its period. In this unit students are introduced to the diverse architectural traditions of Australasia, and an appreciation of architecture through the understanding of Asian cultures, as well as the development of architectural culture through the processes of historical colonial expansion into the region. It will give students an overview of both the history and current trends of Australian architecture and locate it within the context of the larger Asia-Pacific region. Teaching and learning is conducted through problem-based learning with supporting lectures and tutorials.

Credit points: 12 **Contact hours:** 4 **Campus:** Gardens Point

DAB435 Architectural Technology 1

The unit will explore various forms of domestic construction with particular reference to general properties of building materials, common construction practices used in dwellings,

single storey and class 10 buildings. Comparison of building systems and their effect on domestic building design will be explored in detail. Students will be introduced to the construction aspects of the BCA including its housing provisions and associated codes for all types of buildings to assist to achieve the requirements for building approvals.

Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point

DAB510 Architectural Design 5

This unit offers a focused intermediate level investigation into the field of design as applied to architecture. It uses developmental exercises to enhance student perceptions of the built environment in a problem based learning environment. Design theory, sustainability, sociology, history and critique, as they all apply to architectural design, all form part of the unit content. Design projects require synthesis of a range of abstract issues to achieve focused architectural proposals. Teaching and learning activities are spread across lectures, tutorials, and studio based activities.

Prerequisite(s): DAB410 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

DAB525 Architecture and the City

This unit aims to give a comprehensive overview of issues and techniques relevant to architectural design at an urban scale. Teaching and learning activities are spread across lectures, tutorials, and studio based activities.

Prerequisite(s): DAB325 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

DAB530 Integrated Technologies 2

The aim of the structures segment of the unit is to familiarize students with the qualitative influences of structural systems on the design development of buildings. In particular the possibilities and limits of building structure are explored in relation to architectural intention through the use of exemplar. The aim of the construction segment is to familiarize students with various construction systems used in medium-rise commercial buildings. Here the emphasis is on the criteria to be used for the selection of appropriate systems and their associated materials.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DAB610 Architectural Design 6

This unit offers an advanced level investigation into the field of design as applied to architecture, with particular focus on the synthesis of issues, ideas, knowledge and techniques. This unit aims to present architecture as a holistic practice, inclusive of numerous concerns.

On completion of this unit you should be able to; exhibit competence and clarity of intent across several fields of knowledge: spatial quality, context, tectonics, planning, and form; synthesise and manage a variety of issues to achieve a balanced and defensible design outcome; translate the analysis of precedence to new situations; use a variety of design processes and techniques to generate, represent, and test architectural ideas; represent and communicate ideas of an architectural nature through advanced documentation techniques.

Prerequisite(s): DAB510 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DAB635 Architectural Technology 2

It is a fundamental task of architectural design to achieve the comfort requirements of the users. Environmental science segment aims to promote students' understanding and awareness of natural means of control of indoor conditions and will include condensation, ventilation, shading devices, lighting, acoustics, and energy efficiency measures in the BCA. Also included in the unit will be building services for low-rise buildings and industrial building construction, in particular steel framed buildings and tilt-up construction.

Prerequisite(s): DAB435 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

DAB710 Architectural Design 7

This unit offers an advanced level investigation into the field of design as applied to architecture, with particular focus on Urban Design issues that come to bear in the design of a building.

On completion of this unit you should be able to; demonstrate, through your project work, your understanding of cities and an awareness of the forces shaping their development. Demonstrate that you have developed critical, analytical and speculative research skills applicable to urban situations. Adopt a reasoned position in relation to an architectural problem and to argue, speculate and design from that position. Demonstrate judgement that enables the identification of design opportunities at an urban scale that inform architectural design decisions.

Prerequisite(s): DAB610 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DAB810 Architectural Design 8

This unit offers an advanced level investigation into the field of design as applied to architecture, with particular building type or architectural topic. The unit draws on the breadth of knowledge students have attained through the process of their architectural education.

On completion of this unit you will be able to: Demonstrate your understanding of the design process. Demonstrate your development of a range of critical, analytical and speculative research skills applicable to architectural design projects. Establish a defensible position in relation to an architectural problem and to speculate, design and argue from that position. Demonstrate your development of judgement that enables the identification of opportunities that inform architectural design decisions.

Prerequisite(s): DAB710 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DAN100 Master Studio A

This unit offers a focused high level investigation into the field of design as applied to architecture through the investigation of a complex design problem. It uses developmental exercises to enhance student perceptions of the built environment in a problem based learning environment. Design theory, sustainability, sociology, history and critique, as they all apply to architectural design, all form part of the unit content. Design projects require synthesis of a range of abstract issues to achieve focused architectural proposals. Teaching and learning activities are spread across lectures, tutorials, and studio based activities.

DAN110 Advanced Digital Studio

This unit offers an advanced exploration of digital generative processes for the development of conceptual, formal and tectonic ideas articulating architectural concerns and extending investigations undertaken in the Masters Studios.

DAN125 Contemporary Architectural Culture

This unit provides the opportunity for the students to become aware of and to debate the innovative and advanced projects and critical thinking in the international field of architecture of the contemporary time. It provides the framework in which the student can locate individual research and design activities. It prepares the student to make informed and creative decisions in professional life. Teaching and learning takes place through three forms of structured activity: lectures, tutorials, and online.

DAN135 Advanced Topics in Architectural Technology 1

The unit aims to promote student understanding of advanced techniques for the design of environmentally friendly, sustainable, and healthy high-rise buildings. It will foster an understanding of the design and advanced techniques for natural day lighting of deep interiors and to promote detailed understanding of advanced construction techniques for high-rise and special structures. In all these areas the unit aims to promote understanding of the way in which these advanced technologies influence the design and procurement of buildings together with an integrated overview of high-rise building services, promoting awareness of the coordination role of specialist building consultants, and the legal requirements of building services.

DBB656 Global Positioning Systems

This unit includes the following: concepts and theory of Global Positioning Systems including the space segment, control segment and user segment; satellite signal structures and the importance of precise timing; introduction to global and local coordinate systems and heights; error sources and accuracy in GPS; temporal and spatial variation; mission planning and data collection management; navigation and data collection techniques; point positioning and analysis; introduction to broadcast differential GPS positioning methods. Practical exercises are conducted in small groups.

Campus: Gardens Point

DBP401 Urban Design and Site Analysis

Planning students need to understand the various issues relating to city development as well as learning site planning processes for the development of urban land. This planning unit is designed to assist students develop basic skills of urban and site analysis.

Credit points: 12 **Campus:** Gardens Point

DBP402 Planning Processes

Graduate students from other disciplines learn how to develop and apply reflexive planning processes applicable

to a variety of situations and scales. This involves understanding how land uses are generated and the processes by which they may be planned. The unit examines and explains the logic, role and methods of successive stages of the planning process, from objective formulation, information and resource analysis through policy and strategy development to evaluation, development of proposals and monitoring.

Credit points: 12 **Campus:** Gardens Point

DBP403 Design Communication

Students entering the course from non-design disciplines require basic skills in graphic communication for use in planning practice and design units. This unit, which is normally taught intensive mode preceding the start of semester, has two elements. Perception and Basic Design includes how and what we see, design vocabulary and comparative models of design. Planning Graphics introduces students to different forms of representation, methods, presentation, visual imagery, and graphic tools for analysis and synthesis.

Credit points: 12 **Campus:** Gardens Point

DBP404 Economic and Social Foundations of Planning

This is an introductory unit which deals with the economic, social and technological processes that have shaped and still shape our communities and settlements. Urban and regional planners need to appreciate these processes in order to understand their impacts and to utilise them in planning human settlements.

Credit points: 12 **Campus:** Gardens Point

DBP406 Computer Applications in Planning

Planning professionals need both a conceptual understanding, and concrete skills, in the application of computers to analyse and interpret digital and spatial information that forms the basis of decision making. Across both government and private sectors, information is communicated within the digital environment, and as the associated technology, software and methods rapidly develop, planners need to possess the necessary computer skills to continue using digital tools effectively.

Credit points: 12 **Campus:** Gardens Point

DBP407 Environmental Planning and Management

This unit seeks to introduce students to the theories, processes and tools of environmental planning and management. The unit provides the student with a basic understanding of a range of environmental issues and concerns relevant to planning issues and problems. It addresses the broad range of planning decisions that affect the environment.

Credit points: 12 **Campus:** Gardens Point

DBP408 Planning Implementation and Law

Professional competence in planning requires a detailed understanding of the theory and implementation of planning procedure, planning law and other related legislation. This unit in planning implementation and law is designed to give students basic skills and knowledge of planning law and its associated procedures.

Campus: Gardens Point

DBP409 Urban Planning Practice

Planners need the skills to understand and analyse local issues and develop plans and strategies to address them. This will involve the preparation of integrated local area plans in consultation with local communities and stakeholders. This unit, normally consisting of a real world project conducted in conjunction with local governments and communities, provides students with these skills of integrated local area planning.

Prerequisite(s): DBP402 **Credit points:** 12 **Campus:** Gardens Point

DBP410 Research Methods in Planning

This unit introduces students to the range of research methods available to them as planners and provides a critical format in which they can assess the efficacy and suitability of these methods. It also provides practical experience in using relevant methods and techniques to address current planning issues.

Prerequisite(s): DBP402 **Credit points:** 12 **Campus:** Gardens Point

DBP411 Community Planning

Planners work with wide range of communities and therefore need to understand and address a diverse range of concerns. This unit applies knowledge and skills acquired elsewhere in the course to help students understand and inter-relate a wide range of community concerns including land use and development assessment, employment, human services, environmental quality, urban design, access and culture. In exploring the practices and theories of community planning, particular emphasis is placed on community involvement, consultation and conflict resolution.

Credit points: 12 **Campus:** Gardens Point

DBP412 Planning Theory and Ethics

Students learn about the conceptual basis to their profession and are inculcated with a sound basis of professional ethics. This unit explores the theoretical underpinnings of urban and regional planning through an investigation of a variety of ideas about planning. It also links ideas about the nature and purpose of planning with ideas about professional ethics. Because it is based on utilising students' previous experience it comes in a later semester of the course.

Credit points: 12 **Campus:** Gardens Point

DBP413 Regional Planning Practice

This unit provides the opportunity to develop and apply wide-ranging skills of analysis and synthesis in a real world problem-solving situation, linked to policy formulation issues explored in parallel in DBP414. As the second of two practice-focused units, Regional Planning Practice concentrates on the broader regional and metropolitan scales to develop skills in dealing with larger scale, strategic-level planning.

Prerequisite(s): DBP409 **Corequisite(s):** DBP414
Credit points: 12 **Campus:** Gardens Point

DBP414 Regional and Metropolitan Policy

Relevant and effective regional and metropolitan policies must draw upon a wide range of knowledge and skills

integrating regionalism, demography, economics, human activities, central place theory, regional resource evaluation, social organisation and public administration. These operate and need to be understood at both global and regional scales. The resulting synthesis must be applied within specific regions. In order to achieve this, the unit is designed to focus and apply material from diverse disciplines and locations to current regional and metropolitan policy issues in South East Queensland.

Prerequisite(s): DBP402 **Credit points:** 12 **Campus:** Gardens Point

DBP415 Professional Practice or Research Project

This unit offers students the choice of undertaking a supervised individual research project or a structured period of professional practice. The two are offered in the one unit in order to encourage synthesis between research and professional activities. Both activities are most appropriate in the final semester of the course, allowing students to build on and integrate their previous experience. This unit also provides a stepping stone for students continuing on to the Master of Urban and Regional Planning by providing either a first stage to an advanced research project or an introduction to an advanced professional practice project.

Prerequisite(s): DBP410, DBP409 **Credit points:** 12
Campus: Gardens Point

DBP416 Elective

This unit enables students to choose an elective from the offerings of any course in QUT or another university, provided that it will enhance learning in the core discipline. Selection requires the approval of the Course Coordinator.

Campus: Gardens Point

DBP417 Comparative Planning

This unit focuses the comparative dimension within the course by introducing students to the practice of urban and regional planning in specific locations and contexts either through attendance on a field course or at an approved conference.

Credit points: 0 **Campus:** Gardens Point

DBP501 Specialisation

This unit enables students to extend their knowledge in areas supporting their main area of practice or research interest. This personalised unit may incorporate study in specific programs offered within the School or from advanced units within QUT or another university, or through specialist guidance by staff in their areas of expertise and approved by the Head of School on the recommendation of their research project supervisor.

Credit points: 12 **Campus:** Gardens Point

DBP502 Professional Practice or Research Dissertation

This unit is the central element of the Master of Urban and Regional Planning. Because the Masters is intended for students with advanced professional or advanced academic intentions, this unit allows either for professional development through a period of mentored professional practice or research development through supervised individual advanced research. The two are combined into a single unit in order to encourage synthesis between research and professional activities. The unit is an

extension of the study completed in DBP415 Professional Practice or Research Project in the Graduate Diploma in Urban and Regional Planning. The unit will normally be linked to the student/staff seminars in DBP503 Masters Seminar.

Prerequisite(s): DBP415 **Credit points:** 24 **Campus:** Gardens Point

DBP503 Masters Seminar

In order to derive full benefit from their advanced studies. Master students need to exchange views on theory and practice with each other and with experienced practitioners and academics. They also need to explore the significance of their studies for issues of major planning significance. This unit thus provides an integrated forum as a communicative core to the Masters Program, linking individual dissertations and professional practice experience to a wider contemporary context.

Prerequisite(s): DBP414 **Credit points:** 12 **Campus:** Gardens Point

DEB101 Introducing Design

Please note: this unit is only available to First Year DE40 and IT04 students.

This unit offers a uniquely broad introduction to the field of design as applied across the design disciplines. It uses exercises to enhance student perceptions of the natural and human made environments in a problem based learning context. The unit is block taught over several weeks during the semester and will include students from a range of design disciplines participating in a four day field trip (students unable to attend participate in an alternative program). Students work individually and in cross-disciplinary teams in a stimulating and immersive environment. This unit covers content of problem solving, team work, visualisation and communication, and environmental awareness.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DEB102 Introducing Design History

Designers within any discipline should possess the ability to appreciate the history of design. This involves appreciation of developments in design history and theory from multiple perspectives. This unit encompasses a broad survey of the history of design from the civilizations of antiquity to the opening of the 20th century. It is a first year foundation unit and serves as preparation for more detailed and specialized studies in history and theory in subsequent years. Key designs, ideas and artefacts and the aesthetic, environmental, technological, socio-cultural and political factors that related to their production will be analysed. Teaching and learning takes place through three forms of structured activity: lectures, tutorials, and online.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

DEB201 Digital Communication

This unit introduces students to the foundational aspects of digital design communication, placing generic design in context and focusing on multidisciplinary in the stages of the design process. This unit is an approach to the theory

and practice of digital media, exploring the translation from manual to digital media in design communication and presentation.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

DEB500 Participatory Methods and Practices in Design

This unit is the disciplinary practice-focussed unit within the Design for Community Engagement and Participation minor set.

After completing the introductory/ professional studies in human services, this practically oriented unit will introduce you to a range of participatory design methods and allow you to contextualize these skills by applying them to resolve community-based design scenarios of direct relevance to the built environment professions.

Prerequisite(s): HHB102 or HHB103 and HHB212 or HHB314 or HHB216 **Contact hours:** 3 per week

Campus: Gardens Point

DEB601 Collaborative Design

The experience of cross-disciplinary design collaboration is considered a significant aspect of the preparation of design students for future professional practice. This unit provides such an experience through a collaborative design studio. Collaboration will be addressed and fostered by students working on a design studio project that facilitates cross-disciplinary collaboration and introduces them to various forms of collaboration. Through the project student will be exposed to the discourse of design disciplines other than their own while at the same time being able to build on discipline specific skills, knowledge and attitudes.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DEB701 Design and Research

This unit is a core unit common to architecture, landscape architecture, industrial design and interior design. The unit is project based and introduces students to research methods and methodologies that have relevance in design practice. It also provides a foundation for higher degree research. The content covered in this unit includes:

- philosophical context of research in, of and through design

- qualitative research incorporating methodologies and methods of relevance to design

- research rigour and ethics

- developing a research plan

- literature searching and review

- data gathering and analysis

- research dissemination and reporting.

Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point

DEB801 Professional Practice

This unit introduces and consolidates key issues in discourses about the design professions: the differences between discipline and professional knowledge, the organisation and roles of the regulatory and professional bodies that govern the professions, the cultural context for contemporary design practice, and the values and attitudes which govern professional practice. Teaching and learning takes place through a variety of structured activities:

lectures, tutorials, seminars, workshops and online.

Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point

DEN510 Urban Design and Theory Studio A

This unit lays a theoretical foundation for postgraduate coursework and practice in urban design and other professions involved in producing the built environment. It provides a critical view of the theory and practice for urban design as a basis for the development of specialist knowledge in this field, both within this unit and other units within this urban design program.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DEN520 Urban Design and Theory Studio B

This unit, as a studio, allows for the synthesis of knowledge and skills from other units in the course. It offers a problem based learning experience that engages with advanced urban design issues. The unit focuses on the design management of the transformation and incremental development of existing urban/suburban/town/fringe areas. This area of urban design activity has to mediate between existing development patterns, ownership patterns, development trends, diverse community aspirations, and professional and institutional practices.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DLB130 Landscape Design 1

This unit provides the foundation knowledge in design theory and the communication skills to understand the process and articulation of a design resolution as the focal point of landscape architecture. It will concentrate on the theory, language and universal rules of design and development of the manual graphic skills that underpin this problem solving activity. It will enable students to progress to the higher order theories, processes and contexts of landscape design in subsequent design units. The unit provides the opportunity for developing these foundation skills in a range of real world and abstract problem solving situations. The program includes an exploration of leading contemporary landscape design around the world.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DLB210 Landscape Design 2

This studio will be underpinned by a sustainability theme. Its two main themes are: (a) water management - introduces responsible approaches to water (and waste) in the designed landscape, including more sustainable use of 'bluewater', 'greywater' and 'blackwater'; and (b) sustainable land management - introduces the basics of climatically sensitive spatial and planting design to minimise energy use, creating 'eco-cities' for sustainable living that emphasises such strategies as alternative traffic planning for maximum human benefit. Continued development of graphics skills in design exploration and communication is integrated into the program. It is block taught in the first half of the semester.

Prerequisite(s): DLB130 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DLB230 Landscape Horticulture

This design unit, supported by an introduction to plant ecology, explores three themes: (a) toxic remediation of waste and contaminated land and treatments including physical interventions and the role of environmental artists; (b) perma/horti/agri-culture - sustainable productive horticultural design and management and the ethno-botanical and traditional organic horticultural practices that are the foundation of 'permanent agriculture' ('Permaculture'); and (c) landscape art in Australia - Indigenous and Non-indigenous landscape art, environmental art and land art. Continued development of graphics skills in design exploration and communication is integrated into the program. It is block taught in the second half of the semester.

Prerequisite(s): DLB130 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DLB310 Landscape Design 3

This design unit explores the theory of spatial design theory and applies that theory to practice. This unit concentrates on designing places for community heterogeneity and provides the underpinning of knowledge and skill needed to make an effective contribution to the profession of landscape architecture. The aim of this unit is to provide the basic skills and knowledge in the ways in which people use, perceive and value places within existing environments and how to apply those skills in design to make places for people that are safe, pleasant and inspiring. Continued development of graphics skills in design exploration and communication is integrated into the program.

Prerequisite(s): DLB210 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DLB330 Landscape Ecology

An understanding of physical geography, geomorphology and the theoretical concepts of landscape ecology as a spatial analysis tool underpin this unit. The theoretical concepts are applied in a related design problem. This studio concentrates on understanding heterogeneity in all landscapes from the 'natural' to the 'developed' by recognising that all landscapes share a similar structural model. The unit comprises three modules of discovery: (a) developing landscapes - patterns and palimpsests; (b) landform systems and processes; and (c) landscape structure and dynamics.

Prerequisite(s): DLB230 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DLB410 Landscape Design 4

In this unit, students will investigate an urban landscape in order to explore, understand and apply the principles and processes of site planning. These include: the development of a project brief, the understanding and articulation of site user needs, the undertaking of a site appraisal, the development and analysis of design concept options, and the final development of a site plan.

Prerequisite(s): DLB310, DLB330 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DLB430 Landscape Construction 1

This studio is complementary to Creative Site Design 1. The core of landscape architecture is the design of controlled change to landscapes. Design implementation requires the re-construction of the existing landscape into new forms. Physical site design continues the creative site design process at a finer scale of detail and precision to resolve site regrading, management of surface and sub-surface water and preparing sites for planting new landscapes. It is inextricably linked to the processes of maintenance and management and requires understanding of a whole of life costs to meet sustainability objectives. This unit will develop technical graphic skills associated with manual and digital design communication.

Prerequisite(s): DLB310, DLB330 **Credit points:** 12
Contact hours: 4 **Campus:** Gardens Point

DLB510 Landscape Design 5

This design unit builds on Creative Site Design 1 and extends the theoretical and applied understanding of site planning and design processes and the design of plant assemblages at a small and complex site scales. It develops skills in the artful, orderly, efficient, aesthetic, and ecologically sensitive arrangement of constructed objects and spaces on a site and their integration with the site's features, systems, spirit of place and satisfying the needs and values of its intended users. Emphasis will be on resolution of the design at a detailed scale. Application of appropriate graphic communication in all forms will be integrated into the program. The unit will be block taught in the first half of the semester.

Prerequisite(s): DLB410 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DLB525 History and Criticism of Landscape Design

This unit provides a substantial exploration of landscape design throughout history, building on the foundation of the broad view of design history provided in first year. It will be examine past and contemporary design criticism and the role that landscape architects play in this regard. The origins of the landscape architecture profession will be investigated. History informs us about the interaction between society, the environment, and the consequences for human settlement and designed landscapes. Multiple views of history and historiography will be investigated to provide useful lessons that can be applied in the contemporary world for the betterment of humankind and the environment.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DLB530 Landscape Construction 2

This studio will build on the work of Creative Site Design 2. The unit introduces the properties and use of materials encountered in landscape construction and the processes of resolving and communicating design decisions as construction documentation. It includes principles of applied science and mechanics relating to the stability of site elements; graphic (manual and digital) skills required to explore construction problems and communicate required outcomes. It will require students to undertake effective research and evaluation of technical data and techniques available to the construction industry in seeking valid solutions to construction problems. The unit will be block taught in the second half of the semester.

Prerequisite(s): DLB430 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

DLB630 Landscape Construction 3

This unit will build on the work of previous design resolution units to take the student into the realm of construction of larger scale landscape elements. Topics include: the principles and practice of water sensitive urban design; design and construction of golf courses, swimming pools; and artificial lakes and earth dams; scope of contract documents; defining extent of works; set-out of works a horizontal and vertical; site clearing, demolition and environmental protection and noise control. The unit will also advance the principles and practice of contract documentation including writing contract and construction specifications.

Prerequisite(s): DLB530 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

DLB645 Landscape Practice and Law

This unit develops understanding of government and non-government institutions that affect land and building development together with a more detailed understanding of specific legal and quasi-legal frameworks having influence on professional practice. Topics include: property with special reference to land ownership; land development applications under the Integrated Planning Act, tort, duty of care and the basis for professional liability; introduction to intellectual property; construction statutes, regulations, codes including the Building Code of Australia, standards and protocols, consultancy and construction contracts, and practice guides and law relating to practice.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

DLB710 Landscape Design 6

This design unit will explore contemporary theories of urban design as they affect the range of urban landscapes and emerging theories and concepts of regional and local economic development as they relate to sustainable landscapes in terms of living and working environments. Embedded in the program will be the theory and application of concepts of cultural values and the cultural landscape. Engagement with the application of these theoretical constructs will be through problem-based learning focused on a real world community project.

Prerequisite(s): DLB510 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DLB730 Landscape Design 7

This unit together with Advanced Project 2 will allow the student to complete their professional level studies by undertaking a complex landscape design project that integrates and applies all previous and concurrent studies in the discipline of landscape architecture. This unit will undertake the required project research and the establishment of a documented project brief and the literature review required to inform the design project.

Prerequisite(s): DLB510 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DLB810 Landscape Planning and Policy

Many landscape architects work in broad scale landscapes nationally and internationally. Catchments are recognised as a critical scale for regional environmental planning and this unit addresses a selected catchment as a case study to investigate the complex systems that comprise the social, economic and biophysical fabric of the landscape. Regional issues are challenged by interpreting, visualising and communicating their multi-dimensional character and complexity of overlapping jurisdictions and conflicting management responsibilities. The unit integrates higher level applications, including GIS and the like, to critical, creative and analytical thinking, problem identification and solving in environmental planning.

Credit points: 12 **Contact hours:** 4 **Campus:** Gardens Point

DLB830 Landscape Design 8

This unit will be completed as a seamless flow on from Advanced Project 1. In this unit the student will undertake design development and the documentation and presentation of a final design for the project informed by the work of Advanced Project 1. The final presentation of the will be to a jury invited from academic staff and practice and a public exhibition of the collected work.

Prerequisite(s): DLB730 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DNB101 Industrial Design 1

Industrial design revolves around the creation of products that satisfy human needs within the constraints of industrial and commercial production. This involves the manipulation of form with an understanding of structure, function, and beauty. Through projects students will be exposed to: basic design elements and principles; introduction to product visualisation techniques including concept sketching and marker rendering; design process and concept development; basic model making techniques; design presentation.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DNB201 Industrial Design 2

This unit continues with the development of visual and creative thinking within the context of industrial design with special emphasis on the development of product form. Through projects students will be exposed to: aesthetic aspects of products; design process and concept development; product visualisation techniques including concept sketching and marker rendering; model making and basic photographic documentation skills; design presentation.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DNB202 Product Usability

The professional designer designs principally for others and not primarily by personal preference. Therefore an understanding of the breadth of physical and cognitive needs and capabilities of people is vital to the development of useable products. This unit provides the basis for a user-centred design philosophy built upon an understanding of

people and their capabilities and knowledge and experience to integrate advanced human factors and usability concepts into the industrial design process. The content covered in this unit includes: anthropometrics; principles of physical and cognitive ergonomic requirements of special needs groups; human error; usability principles; usability evaluation methods and user testing techniques.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

DNB301 Industrial Design 3

Product innovation requires a firm grounding in technology combined with is fostered by knowledge of technology and sound design process. This unit introduces design research and process models that emphasise the development an outlook that brings new ways of thinking about design problems. Through projects students will be exposed to: design process; introduction to design innovation; application of engineering mechanisms/principles in product and system; application transfer principles and design; communication skills.

Prerequisite(s): DNB101 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DNB302 Computer Aided Industrial Design

Computer-Aided Industrial Design (CAID) has become an integral tool within industrial design practice. It encompasses a variety of techniques, which have varying applications across the stages of the design process. Students will have a greater depth of industrial design experience and the ability to further apply the concepts of CAID directly to their design projects. The content covered in this unit includes: introduction to 3D dimensional NURBS based surface modelling for external component representation; introduction to computer visualisation for the application of form and product evaluation; development of skills in the use of Computer Aided Industrial Design (CAID) for evaluating design concepts; introduction to parametric based modelling for consumer product component design; introduction to Rapid Prototyping and Tooling; advanced computer visualisation and virtual reality.

Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point

DNB303 Manufacturing Technology

Manufacturing technology is integral to industrial design and is a basic knowledge requirement to build upon throughout the course. Design for manufacturing allows both the analysis and application of manufacturing principles to product design and development. The knowledge gained in this unit allows the designer to develop a sound awareness of the relationship between design and manufacturing. The content covered in this unit includes: electronics; plastics; production techniques in relation to different materials; forming; finishing operations; production costs; technical documentation and communication.

Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point

DNB401 Industrial Design 4

Industrial design goes beyond the development of discrete artifacts to include systems. This unit examines approaches

to systems design and explores how various products and processes interact, sometimes in complex ways. Through projects students will be exposed to: design process; further development of design innovation; communication skills; integration of design processes manufacturing technology and engineering principles.

Prerequisite(s): DNB201 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DNB402 Socio-cultural Studies

An understanding of people and their cognitive and emotive relationship with the world is essential for designing responsive products and environments. This unit encourages a diversity of knowledge to gain a broader perspective of cultural economy and understand better the designer's interaction with society and diverse cultures. The content covered in this unit includes: psychological implications of everyday human-artefact interactivity; environmental and cultural perception; psychological implications and attitudes imbedded in product semantics and symbolics; personal space and territoriality; the role of designer in responding to the manifestations and dictates of society including market forces, political determinants and socio-cultural relationships within a modern/post modern context.

Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point

DNB501 Industrial Design 5

Experience design (or design for experience) is a design approach that aims to create appropriate experiences before, during and after product interaction. This unit introduces methods for enhancing the user experience. Through projects students will be exposed to

- â€ design process and creative thinking
- â€ experience design
- â€ system design
- â€ creativity and product innovation
- â€ interdisciplinary teamwork
- â€ design ethics and culture

Prerequisite(s): DNB301 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DNB502 Industrial Design History, Theory and Criticism

This unit provides students with the opportunity to become aware of theoretical and historical discourse in industrial design and to debate innovative and advanced ideas and critical thinking in the field internationally. It provides a framework in which students can locate their individual design activities. The content covered in this unit includes:

- â€ contemporary history of industrial design
- â€ relationship between social and technological change and industrial design
- â€ contemporary design theory and discourse
- â€ criticism methodology
- â€ writing about design

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

DNB601 Industrial Design 6

Design for experience focuses design intent not on products as an end in themselves but in the experiences of the people who use them. Going beyond this involves focusing

on the emotional aspects of experience. Through projects students will be exposed to:

- â€ design process and creative thinking
- â€ interaction design
- â€ socio-cultural trend analysis
- â€ design narratives
- â€ creativity and product innovation
- â€ interdisciplinary teamwork
- â€ design ethics and culture

Prerequisite(s): DNB401 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DNB602 New Product Development

The unit will focus on the introduction of new products into the market. It will provide the students with an overview of the relationship between product design and commercialisation. It will provide an overview of strategy development where the aim is to meet consumer expectations, whilst achieving corporate objectives. The major topics covered in this unit include:

- â€ new product development process
- â€ idea generation
- â€ strategic planning
- â€ introduction to marketing
- â€ product screening and evaluation
- â€ commercialisation and post launch review

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

DNB701 Industrial Design 7

This unit introduces an advanced product and system design as relevant to industrial design. It provides students knowledge about the various contexts that impact on products â from usability to business to manufacturing. Through the projects the students will be exposed to

- â€ advanced design process and creative thinking
- â€ knowledge integration within various contexts
- â€ understanding industrial designer's role within collaborative projects.

Prerequisite(s): DNB501 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DNB702 Human-centred Design Innovation

Human-centred innovation incorporates studies of the dynamic relationships between people, products/artifacts and systems, and their contextual environment. The unit will introduce the ways research about people can contribute to product innovation, an essential aspect of industrial design. It will introduce how to integrate the kind of applied research skills and knowledge that support the development of an innovative product or system. It also provides you with the foundation for higher research degrees. The major topics covered in this unit include:

- â€ human-centred innovation framework
- â€ application of research methods to industrial design
- â€ situating product/systems within the social framework
- â€ communication of research outcome.

Credit points: 12 **Contact hours:** 4 **Campus:** Gardens Point

DNB801 Research and Innovation 1

Applied research is key component of industrial design: this unit will show you how to apply research outcomes to the

design of products and systems and how to lead large projects. It also serves as the foundation for higher research degrees. Your research will be centred on a project you select and you will be responsible for its leadership, in close collaboration with industrial design academic advisers who will guide your progress. The unit is built upon the units Human-centred Design Innovation and Design Research and is corequisite to Research and Innovation 2.

Credit points: 12 **Contact hours:** 4 **Campus:** Gardens Point

DNB802 Research and Innovation 2

The aim of this unit is to assist students to integrate the knowledge gained in previous semesters and to learn how to generate relevant, new knowledge to be applied during the developmental phases of a design project. Through the individual project the students will be exposed to how to:

• apply in depth research outcome to product design

• apply usability testing in the relevant stages of design process

• develop design in collaboration with other relevant professions

• manage large projects

• communicate at a professional level visually, orally and in writing

This unit is corequisite to Research and Innovation 1 and serves as the foundation for higher research degrees.

Prerequisite(s): DNB702 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DTB101 Interior Design 1

This unit provides foundational material for the study of interior design. Students will be introduced to design theory, methodology and aesthetics. Design will be explored as an interpretive process. Topics covered in the context of projects for the unit include: The studio as a way of learning; Introductory design exercises exploring two dimensional elements as they relate to the interior design context; Freehand sketching, principles of perspective; Mechanical drawing, principles of scaled drawing; Presentation and visual communication skills; Environmental issues and sustainability.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DTB201 Interior Design 2

This unit introduces the student to design in three dimensional spaces of relevance to the practice of interior design and with a particular emphasis on the socio-cultural relations between people and the environment. The unit aims to foster an understanding of design not only as a language of exploration and communication but also as an activity addressing person-environment interaction in a certain way. Topics covered in the context of projects for the unit include: Introduction to characteristics of design problems; Methods to generate and test design proposals; Creativity and innovation relative to contextuality; Presentation methods, techniques and materials used to generate and communicate design ideas; Relevant design history.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DTB202 Design Technology

In this unit students will acquire an understanding of the interconnection between technological changes, inventiveness, social context and interior design.

Topics covered in this unit include: Interior design in relation to structural systems, materials, technologies and relevant legislation with specific emphasis on domestic building construction; Skills associated with observation, research, and communication; Ergonomic principles, site measure, tracking examples of construction, identification of types of structures; Measurement and recording of building environments and documentation incorporating 2D CAD.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DTB301 Interior Design 3

The aim of this unit is to facilitate students to develop a deep understanding of transition, interiority and building character in relation to interior design. This will be achieved through the integration of technological, psychosocial and experiential knowledge and theory. Student learning will be facilitated in order that a holistic approach to the design issues is implemented. Topics covered in the context of projects for the unit include: Design methodology skills, strategies, alternative processes; Documentation ranging from the conceptual to design development; Schedules and specification; Finishes, fittings and furnishings; Relevant design history; Relevant technological, psycho-social and experiential theory; Environmental issues and sustainability.

Prerequisite(s): DTB201 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DTB302 Colour Studies

This unit includes studies of the interdependence of light and colour, the physical properties of colour, the psychological and cultural dimensions of colour, and colour and its relationship with expression and aesthetics as it applies to the interior design context. Topics covered in this unit include: Colour properties, harmony and contrast; Mixing and application of colour; Qualitative effects of colour and light on interior form and space; Symbolic, physiological and psychological aspects of colour within historical and contemporary contexts.

Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point

DTB303 Technical Design

In this unit students will acquire an understanding of the wide variety of commercial building interior systems related to the interior design industry. Topics covered in this unit include: Manufacturing processes, performance and specification; Building programs, professional consultants, responsibilities, the law, codes and standards, site/context analysis and requirements; Analysis and recording of small-scale commercial interiors and documentation including 3D CAD.

Prerequisite(s): DTB202 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DTB401 Interior Design 4

The aim of this unit is to facilitate students to develop a deep understanding of dual function relationships in interior design in relation to person-environment interactions. This will be achieved through the integration of technological, psycho-social and experiential knowledge and theory specific to those contexts. Learning will be facilitated in order that a holistic approach is implemented. Students will be encouraged to define tasks, research possibilities, integrate theory and explore resolutions in a self-directed manner. Topics covered in the context of projects for the unit include: Design methodology skills; strategies; alternative processes; Documentation ranging from the conceptual to design development; Schedules and specification; Finishes, fittings and furnishings; Relevant design history; Relevant technological, psycho-social and experiential theory; Environmental issues and sustainability.

Prerequisite(s): DTB301 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DTB402 Interior Systems

The aim of this unit is to promote the understanding and awareness of the use and application of materials relevant to the interior design industry. Topics covered in this unit include: Textile manufacture and application; Interior decorative finishes, properties and techniques; Building codes and standards and specification relevant to material quality, performance and maintenance; Documentation and specification of finishes and fittings; The relationship between design technology and material selection; The role of contextual frameworks on designers' decisions in regard to materials.

Prerequisite(s): DTB202 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DTB403 Human Environment

This unit addresses political and social theories related to interior design and development within the built environment. Students are introduced to contemporary theories of post-industrialism, post-colonialism and multiculturalism. Topics covered in this unit include: Requirements of special needs groups; Psychosocial issues and privacy, perception, personal space, territoriality and way finding; The roles and responsibilities of design professionals, historically and in contemporary society; Cultural diversity.

Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point

DTB501 Interior Design 5

The aim of this unit is to facilitate students to develop a deep understanding of multi-function relationships in interior design in relation to person-environment interactions. Theory introduced in the areas of technology and humanities will be investigated in an applied manner through studio-based projects. Fundamental dimensions will be addressed within this context. Topics covered in the context of projects for the unit include:

- Design methodology • skills; strategies; alternative processes
- Documentation ranging from the conceptual to design development
- Schedules and specification

• Finishes, fittings and furnishings

• Relevant design history

• Relevant technological, psycho-social and experiential theory

• Environmental issues and sustainability

Prerequisite(s): DTB401 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DTB502 Environments in Transition

In this unit, different kinds of environments, such as aero, rail and bus centres, will be used as a frame-of-reference for deconstructing and reconstructing spaces that challenge trends in the production of standardised environments. Various theoretical perspectives and case studies will be used to explore both traditional and contemporary corporate approaches to their design. In addition, examinations of risk-takers, will provide the basis of research material required to undertake new approaches • crucial to the design process. The unit will also provide a platform for exploring the concepts of time and space in relation to design in order to undertake the act of designing.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DTB503 Furniture Studies

This unit focuses on furniture as an integral element of an interior environment and of personal and cultural identity. These aspects will be contextualised in an appropriate furniture design project.

Topics covered in this unit include:

• A focus on interaction factors such as visual cues and psychological responses

• An historical analysis of the role of furniture in interior design

• Historic, contemporary and future trends

• Furniture design and documentation

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

DTB601 Interior Design 6

The aim of this unit is to facilitate students to develop a deep understanding of specialised interior design in relation to person-environment interactions. This unit specifically addresses issues relevant to the interior designer in practice. Students are provided with an opportunity to apply their developing skills and knowledge in an informed and critical manner. Topics covered in the context of projects for the unit include:

• Consideration away from main stream interior design application eg interior design for transportation systems

• Development of the characteristics to tackle ambiguous, ill-defined, •real-life• simulated interior design problems

• Relevant design history

• Environmental issues and sustainability

• Relevant technological, psycho-social and experiential theory

Prerequisite(s): DTB501 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DTB602 Design in Society

This unit adopts a social science viewpoint in addressing social and cultural aspects of significance to interior designers. Some of these aspects include action and

interaction, socialisation, ethnicity and race, control, and socio-cultural and indigenous issues of relevance to interior designers. Other topics covered in this unit include:

- Australia and the contemporary world
- Bureaucracy and organisations
- Mass media
- Technology
- Globalisation and regionalism

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

DTB701 Interior Design 7

This unit provides students with the opportunity to pursue a topic of professional relevance. The project at this stage in the course will be highly complex requiring attention to a diverse/conflicting range of macro and micro issues at an advanced, in-depth and sophisticated level. Topics covered in this unit will be project directed.

Prerequisite(s): DTB601 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

DTB801 Interior Design 8

Everyday practice provides a context for research and opportunities to contribute in an explicit way to further practice and research. Learning in this unit is facilitated by a semester-long project that involves the application of a research-through-practice methodology. The core content of this unit will be the substantive and procedural aspects of a project developed by the student in response to their interests, continuing education and professional requirements.

Prerequisite(s): DTB701 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

EAB001 Early Childhood Foundations 1: Historical and Comparative Perspectives of EC Education

This unit examines the historical development of early childhood services in Australia, and explores a range of comparative perspectives on the care and education of young children in different socio-cultural contexts in Australia and in other cultures. To come to understand early childhood education, it is important to consider the evolution of key ideas that have influenced the development of the field over the past 150 years in western societies (Britain, Europe, the United States and Australia). The unit encourages students to reflect critically on the changing beliefs and practices in relation to young children and families in Australia over the twentieth century and to begin to formulate a personal philosophy of early childhood care and education.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

EAB002 Early Childhood Foundations 2: Families and Childhoods in EC Education and Care

Early childhood education and care interface with the lives of children and families in diverse contexts. This unit deals with the social constructions of families and childhoods, the social practices they adopt and the services in which they participate. An understanding of these conditions is necessary for early childhood educators to teach and lead effectively.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:**

12 **Contact hours:** 3 per week **Campus:** Kelvin Grove
Incompatible with: EAB351, EAB364

EAB003 Development and Learning in Early Childhood

This unit examines the major theories, features and processes of early development. The pace and direction of development are shaped by biological predispositions and personal attributes, as well as by the interactions and experiences afforded to the child. Knowledge of contexts, their impact on individual development, and an awareness of the interrelationships between each area of development is necessary in order to develop an understanding of how children think and learn. Early childhood teachers also require a range of skills for observing and analysing behaviour in order to plan and organise appropriate educational opportunities in early childhood settings.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

EAB004 Development and Learning in Early Childhood 2

To facilitate learning during early childhood, teachers must have a sound knowledge of the major theories, features and processes of development. The units in the developmental strand are underpinned by sociocultural theory, which takes into account both the psychological and the social mechanisms of development and learning.

Development and Learning in Early Childhood will foreground the social mechanisms of learning by discussing children's learning and development in a social context, integrating the social, emotional and cognitive elements of learning. Knowledge of contexts and their impact on individual development is necessary in order to develop an understanding of how children think and learn.

Prerequisite(s): EAB003 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** EDB200

EAB005 Inclusion in Early Childhood Settings

This unit aims to promote an understanding and valuing of inclusive educational programs and practices for working with young children with special needs in diverse early childhood settings. Students are expected to develop knowledge of behavioural and developmental characteristics presented by young children with specific needs, as well as understand principles and practices related to assessment, planning and implementation of educational programs for these children.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Incompatible with:** EAB444

EAB006 Leadership and Management in Early Childhood Services

Early childhood settings, including primary schools, operate by using site-based management practices that rely heavily on participation by teachers, staff from all levels of the organisation, and parents. Early childhood teachers need excellent leadership and management strategies to participate effectively in group decision-making for the development of high quality programs and services. They

also need an understanding of how management structures impact on programs and service provision. This understanding, together with a high level of personal power, helps individual teachers influence and lead decisions about what happens in early childhood settings.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Incompatible with:** EAB413

EAB008 Early Childhood Language, Literacies and Communication I

This is an introductory unit in which students examine literacies from contemporary perspectives. The focus is on young children learning literacies in family and community contexts in the years prior to formal schooling. Students are encouraged to appreciate each child's journey as they encounter a range of multimodal practices that constitute literacies.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Internet and Kelvin Grove

EAB009 Early Childhood Language, Literacies and Communication 2

In this unit a literacy as social practice approach is examined critically. Students explore matters related to instructional experiences, literacy resources and materials, diversity, and partnerships with children's families. Although print will be the focus in reading and writing instruction, image/graphic text will be a significant consideration, so that literacy practices reflect new and changing ways of operating with texts.

Teachers use pedagogies and assessment that provide opportunities for success for all students, particularly those individuals and groups who may perform at lower levels of proficiency.

Prerequisite(s): EAB008 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Internet and Kelvin Grove

EAB010 Early Childhood Language, Literacies and Communication 3

This unit focuses on enabling students to build competencies in planning classroom discourses and learning programs that will enable young children to establish confident use of a repertoire of language, literacy and communications understandings and practices as a basis for ongoing learning and cultural participation.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EAB011 Early Childhood Curriculum: Arts 1

We are surrounded by visual images, in many cases much more powerful than any other form of communication. It is important that we are aware of how these images are working on us, and for that, we need to be visually literate. Childhood cultures are made up of interwoven narratives and commodities. The arts enable young children to give form to thought, to develop multiliteracies for exploring and expressing ideas and feelings through representation. This unit examines the characteristic features of the early childhood arts curriculum, its philosophical and theoretical

underpinnings, beliefs about the nature of the learner, the child/teacher relationship, and the educational process.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EAB012 Early Childhood Curriculum: Arts 2

Relevant theories, principles and philosophies are presented and analysed as a basis for developing appropriate teaching strategies for a quality arts program in the early years. Desired outcomes will be achieved through descriptive, interpretive, analytic and expressive processes and shared knowledge between students and staff.

Prerequisite(s): EAB011 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

EAB013 Early Childhood Society Environment and Health Education

This unit promotes a broad view of science. However, that includes the social sciences, health and environmental perspectives. Appropriate curriculum approaches that support a broader, more integrated view of science is a key goal.

Through this unit, students should achieve the following: develop a deepening of their own understandings of concepts pertinent to science, studies of society and environment, and health; learn to critique and broaden their views of science; understand a range of appropriate inquiry-based approaches relevant to these areas; learn to apply these approaches to facilitate young children's learning in the sciences.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Internet and Kelvin Grove

EAB015 Early Childhood Science and Technology Education

It is essential that children are provided with opportunities to develop their abilities and interests by using a variety of learning modes and that children have opportunities to develop concepts that are foundational to understanding in mathematics, and which form the basis of learning in all curriculum areas.

Students require understanding of how children apply active inquiry processes to tasks designed to further concept development in mathematics. This unit will engage them in learning about foundational concepts in mathematics and exploring ways in which teachers can develop appropriate learning opportunities to encourage and foster their development.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Internet and Kelvin Grove

EAB016 Research in Early Childhood Education

This unit aims to foster critical understanding of research with young children. The unit will provide opportunities for students to become lifelong learners and effective communicators.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

EAB017 The Early Childhood Professional

This unit involves students in drawing together and analysing information from a variety of disciplines and historical perspectives with a view to developing an understanding and knowledge that will provide them with a basis for creating and evaluating an integrated curriculum in early childhood settings.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Incompatible with:** EAB412

EAB021 Early Childhood Health, Safety, Nutrition and Wellness Education

There is concern in the community about the general health of young children. Therefore it is important for students to understand current health policies and practices for various early childhood education settings. This includes the daily food needs of young children and how to provide appropriate everyday food education and social food experiences. The unit provides students with the knowledge to lead, plan, implement, and evaluate health practices in services and to balance the nutritional needs of individual children. Personal health and health practices including preventative strategies are addressed.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

EAB022 Early Childhood Science Education

This unit examines the importance of developing children's creativity, curiosity, problems solving skills and sense of wonder and appreciation of the environment, in the exploration of science. The unit focuses on the different approaches to teaching science and the development of positive attitudes for life long learning while taking into account children's cultural and diverse backgrounds.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

EAB023 Mathematical Explorations in Early Childhood

Mathematics is considered to be an essential learning area in the early childhood curriculum, as preparation for life, work and critical participation in society. Mathematics can also provide personal enjoyment.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

EAB026 Early Childhood Community Arts Project

This unit has a focus on pedagogies, planning and assessment within the curriculum organisers of the New Basics, the Preschool Curriculum Guidelines and the key learning areas. It aims to increase knowledge and understanding of how curriculum organisers and outcomes can be used to plan intellectually challenging curricula for young children.

Prerequisite(s): EAB011 and EAB012 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

EAB027 Early Childhood Mathematics Education 1: Birth to Six Years

This unit aims to develop concepts that are foundational to understandings in early childhood mathematics, and to generally enhance students' understandings, attitudes,

values and skills in relation to early childhood mathematics, supported by concrete materials and computer environments. This unit will also investigate teaching methods and key sequences for developing concepts and skills for number, space, measurement, chance and data, and patterns and algebra.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External

EAB028 Early Childhood Mathematics Education 2: Four to 8 Years

Children's successful participation in mathematical contexts is mediated by the effectiveness of a teacher's pedagogical practice, understandings of how learners learn, and knowledge and understanding of mathematics. This unit aims to develop an understanding of the pedagogical practices which inform the teaching and learning of mathematics in early childhood contexts, in particular, a sound understanding of the knowledge, skills and processes required to support learners in the early years of schooling.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EAB130 Negotiating Curriculum with Young Children

This unit provides a sound understanding of the key concepts which underpin early childhood education, in relation to childcare, preschool, prep and lower primary settings. Students begin to learn along with a community of learners, and make links between research, theory and practice, each informing the other.

Credit points: 12 **Campus:** Internet and Kelvin Grove

EAB361 Storytelling In Early Childhood

A major consideration for the teacher of early childhood is to provide children with rich experiences of 'storying'. This unit introduces students to the following: the value of storytelling with young children; the selection of appropriate children's literature suitable for storytelling; various storytelling strategies in terms of their impact on a young audience; the use of appropriate props for storytelling; ways of integrating storytelling across the curriculum.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

EAB363 Creating Curriculum With Young Children

The concept of curriculum in early childhood education evokes much discussion and debate. In this unit, more encompassing concepts of curriculum for young children will be considered in the light of theories and research that suggest that children construct their own knowledge. Ways in which teachers and children can work together in creating a curriculum that is meaningful to children while meeting the expectations of parents and society in relation to child care, kindergarten/preschool and lower primary settings are considered. Practical strategies for setting up supportive learning environments and methods for evaluating teaching and learning are included.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

EAB364 Academic And Professional Communication

The unit includes the following: the development of an understanding of the general processes of communication

in an academic and professional contexts; application of information literacy skills to a range of print and electronic sources; conventions for communicating using a range of academic text-types using print and electronic media; key concepts relating to the study topic: Families in Context.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Internet and Kelvin Grove

EAB416 Early Childhood Art Education

This unit includes the following: 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.

Prerequisite(s): EAB011 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

EAB422 Information and Communication Technologies and the Young Child

This unit includes the following: selection, use and critical evaluation of computers and associated software, and related technologies in early childhood programs, linking technology and problem-solving; applications and use of computers and associated software for language, number and problem-solving; creating teaching materials.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

EAN601 Investigating Curriculum and Pedagogy in Early Childhood

The aims for this unit are to assist students in developing a critically-informed and research-based understanding of the current issues that are under scrutiny in the field of Early Childhood Education. Recognition and appreciation of gender, culture and customs are essential to the consideration of the issues, and students will make active contributions to promoting codes of practice relevant to the specific professional area of education/learning.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EAN603 Child Development in Context

The aim of the unit is to foster critical understanding of current developmental theory, the conduct of developmental research and the application of research findings to practice in early childhood education and other fields in which professionals work with children and families.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EAN614 Arts and Sciences in Early Childhood

The unit challenges students, as leaders in early childhood teaching and learning, to interrogate a broad range of ideas, principles and guidelines to assist them in making decisions about curriculum in the arts and sciences. It challenges students to engage with trans-disciplinary and cross-disciplinary knowledge and innovation.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet

EAN615 Mathematics in Early Childhood

This unit aims to develop a sound understanding of the theories which inform early childhood mathematics and the teaching and learning of mathematics. Students develop a broad knowledge of mathematical content specifically for early childhood contexts.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet

EAN616 Language, Literacies and Communication in Early Childhood

The focus of this unit is to help students to understand recent research-based practices for literacy learning and teaching in the years before compulsory schooling and the early schools years. Emphasis is placed on a broad definition of literacy that highlights the importance of all children becoming active participants in society and of knowing and engaging in a range of literacy practices, rather than just learning a set of reading and writing "skills".

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EAP400 Early Years: Literacies

In this unit you will examine literacy from critical contemporary perspectives - as a repertoire of contextualised social practices. You will gain insight into different pathways children take to literacy as their learning and development is shaped in family, community and school contexts. A key focus is on helping you to understand early reading and writing processes in the print medium, as well as multimedia. You will learn to use the framework of four literacy practices: code-breaker, text-participant, text-user and text-analyst to explore operational, cultural and critical dimensions of literacy. You will build a repertoire of strategies that will allow you to meet the needs of diverse learners and create instructional events that connect with the experience.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EAP401 Early Years: Mathematical Understandings

This unit aims to develop concepts that are foundational to understandings in early childhood Mathematics, and to generally enhance your understandings, attitudes, values, and skills in relation to early childhood Mathematics. You will investigate teaching approaches, and key sequences for developing concepts and skills for various aspects of Mathematics education.

Prerequisite(s): Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EAP402 Early Years: Arts and Humanities

This unit aims to develop students' capacities as scholars, educators and researchers, through adopting a problem-finding, problem-solving and inquiry-based approach to learning. Through engaging in their own inquiry-based investigation of a social/ environmental issue, students learn how the arts can be used as a learning and teaching tool. Students will investigate Indigenous studies and SOSE through descriptive, interpretive, analytic and

expressive processes, to share and create knowledge with students and staff.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EAP403 Early Years: Science and Technology Education

This unit aims to extend your prior understanding of science and technology education, and to enhance their understandings, dispositions and skills in relation to early childhood science and technology education. It also aims to augment students' understandings of teaching strategies, planning and evaluation for diverse groups of young children in a variety of school and centre settings.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDB001 Teaching and Learning Studies 1: Teaching in New Times

Teaching today is being practised in a changing world. New forms of culture and society have emerged in recent decades alongside new and more globalised diagrams of economy, power and government. Schooling and education in all domains are being affected by these shifts and transformations. Educational sites, for instance, are becoming more differentiated and enterprising; learners themselves increasingly more diverse, active and autonomous. Teaching in New Times challenges students, in the early stages of their course, to develop an insightful and research-based conceptual framework, drawn from social theory and cultural studies, so that they may respond to these transformations in an informed, ethical and professional manner.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove and Caboolture **Incompatible with:** CLB305

EDB002 Teaching and Learning Studies 2: Development and Learning

This unit has the dual purposes of promoting your own personal and professional development as life long, creative, autonomous learners, capable of reflection and high level thinking, and of enabling you, as educators, to promote similar development in your learners. Pursuit of these aims will involve an exploration of human development, from personal and interpersonal perspectives, with sensitivity to socio-cultural contexts, and with a particular focus on the theory, research and practice which informs educators about how learners construct knowledge and become creative, self-motivated thinkers and problem solvers.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove, External and Caboolture **Incompatible with:** SPB001

EDB003 Teaching and Learning Studies 3: Practising Education

Education is a social and cultural activity. This unit provides a sociological and cultural studies framework that provides an insightful explanation of how education in its various sites is constructed and organised. The unit includes a socio-cultural analysis of an educational site which will be undertaken in conjunction with the Field Studies unit.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Internet, Kelvin Grove and Caboolture **Incompatible with:** CLB306

EDB004 Teaching and Learning Studies 4: Inclusive Education

This unit aims to develop students' understanding and appreciation of the contributions that diversity, belonging and trust make towards a quality learning environment for all learners. Students will learn to engage in teaching a broad range of students in diverse and inclusive ways utilising pedagogies and curriculum practices that enhance learning for all students and generate inclusive cultures within the school and classroom settings. Desired outcomes are achieved through descriptive, interpretative, analytic and expressive processes to share learning with fellow students and staff.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

EDB005 Teaching and Learning Studies 5: Professional Work of Teachers

Students will share the responsibility for shaping their beginning career learnings through a process of professional induction with a number of key significant stakeholders. The process will be proactive, collaborative and self determined and students will need to become professionally responsible for developing a professional development program that best accommodates their needs at the close of the teacher education program.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

EDB006 Learning Networks

This unit explores the concept of learning networks: interacting social and technical systems that lead to collective sense-making and knowledge construction. Topics include the nature and use of Information and Communication Technologies (ICTs), learning theories and technologies and socio-technical practices in learning networks.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Incompatible with:** MDB385, CLB341

EDB007 Culture Studies: Indigenous Education

Numerous government reports and recent discussions about reconciliation have called for an increased commitment to Indigenous education in Australia. Teachers are increasingly being asked to improve their skill, knowledge and understanding to teach Indigenous students, and to teach curricula which incorporates Indigenous viewpoints on social, cultural and historical matters. This unit begins with an analysis of the students' own cultural place in the Australian context and afterwards moves towards an understanding of Aboriginal and Torres Strait Islander perspectives on history and contemporary issues, and an understanding of why Aboriginal and Torres Strait Islander students have been so disadvantaged by the Australian education system.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Internet, Kelvin Grove and Caboolture

EDB010 Field Studies: Development and Learning in the Teaching of English

This unit has the dual purpose of promoting your own personal and professional development as life long, creative, autonomous learners, capable of reflection and high level thinking, and enabling you, as educators, to promote similar development in your learners. This unit will contribute to the overall aims of the BEd by giving attention to two sets of teacher practitioner attributes. In the first set, emphasis is on your personal and professional development in the course and the second set, the emphasis is on the attributes required of educators to facilitate learning in their students.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

EDB011 Early Childhood Field Studies 1: Development and Learning in the Field

Designated Unit.

This unit focuses on students' professional development as an educator, and reinforces the twin themes of teacher as researcher, and teacher as reflective practitioner. It provides the first set of teaching experiences, in a graduated sequence over the course of the BEd. Students develop the ability to plan, implement and evaluate effective teaching/learning programs in a wide range of settings for children aged from birth to eight years.

In this unit of the professional practices strand, students will have opportunities to undertake activities designed to help them refine an increasing number of strategies for teaching and working collaboratively with children and their parents, and with other professional colleagues.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 20 days of supervised field experiences in before-school setting **Campus:** Internet and Kelvin Grove **Incompatible with:** EDB422

EDB012 Early Childhood Field Studies 2: Practising Education in the Field

Designated Unit

This unit focuses on students' professional development as an educator, and reinforces the twin themes of teacher as researcher, and teacher as reflective practitioner. It provides the second set of teaching experiences, in a graduated sequence over the course of the BEd.

In this second unit of the professional practices strand, students will focus upon program planning and implementation in settings for children in lower primary. Students will focus upon teaching in lower primary school classrooms, with an emphasis upon the development of knowledge of relevant policies and resources in curriculum provision. An emphasis will be maintained on understanding Early Childhood approaches to curriculum.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Internet and Kelvin Grove **Incompatible with:** EDB421

EDB013 Early Childhood Field Studies 3: Diversity and Inclusivity

Designated Unit

The aim in this unit is to develop professional support relationships that early childhood practitioners must provide

for all children and their families, and an awareness of the need for the teacher to work as a member of the community and as a partner with parents and other colleagues.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDB014 Early Childhood Field Studies 4: Professional Work of Teachers - Induction into the Field

Designated Unit

This final early childhood practice unit is designed to provide a means of transition from the role of the tertiary student to that of a professional early childhood practitioner who is able to work across diverse settings. Students are encouraged to engage in reflection about their professional development and their future career paths and options.

Prerequisite(s): EDB013, EDB011, EDB012 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Incompatible with:** EDB423

EDB015 Internship (Early Childhood)

Designated Unit

This unit aims to induct students into the professional work of teachers. The aim is for students to apply the knowledge, skills and understandings of teaching and learning that they have acquired throughout the course in an extended time in the workplace.

Prerequisite(s): EDB014 and successful completion of all other coursework **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDB016 Early Childhood Field Experience (Child Care)

Designated unit. This field experience unit is aimed at providing you with an initial experience in care and supervision in a child care setting. You will be encouraged to adopt a responsive approach in your work with children and adults

Credit points: 12 **Campus:** Kelvin Grove

EDB021 Primary Field Studies 1: Development and Learning in the Field

Designated Unit.

This unit focuses on students' professional development as an educator, and reinforces the twin themes of teacher as researcher, and teacher as reflective practitioner. It provides the first set of teaching experiences, in a graduated sequence over the course of the BEd. Students develop the ability to plan, implement and evaluate effective teaching/learning programs. This requires an understanding of learner needs, curriculum knowledge, procedures for creating supportive classroom environments, and sensitivity to socio-cultural contexts.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture

EDB022 Primary Field Studies 2: Practising Education in the Field

Designated Unit

Through critical examination of the socio-cultural dimensions of these sites, this unit aims to utilise aspects of social enquiry to analyse the practice of teaching as a social

and cultural activity. At the same time, the unit aims to develop students' pedagogical and curriculum skills as a teacher.

Prerequisite(s): EDB021 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet, Kelvin Grove and Caboolture

EDB023 Primary Field Studies 3: Inclusive Educational Practices

Designated Unit.

As a final year teacher education student you will actively engage with the challenges and practices of inclusive education in the classroom and the broader educational setting. This field experience is designed for students to engage in teaching, learning and assessment practices in their field, interacting with individual students, small groups of students and whole class situations. Students will be required to design, implement and evaluate differentiated teaching strategies, programs and assessment tasks in inclusive and critically reflective ways and in a manner that is responsive to the diverse nature of the students in classes.

Prerequisite(s): EDB022 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDB024 Primary Field Studies 4: Professional Work of Teachers - Induction into the Field

Designated Unit.

Learners remain central to the work of teams and must be recognised as culturally and socially diverse as well as intellectually diverse. Within these constructs the graduating teachers are required to provide a range of educational opportunities that facilitate high quality and meaningful learning engagement for all students across differing educational contexts and sectors. This unit is designed to fully immerse the pre-service teacher into the field with a view to scaffolding their repositioning as autonomous, critically reflective, inclusive professional teachers on completion.

Prerequisite(s): EDB023 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDB025 Internship (Primary)

Designated Unit.

This unit aims to induct you into the professional work of teachers. The aim of this unit is for you to apply the knowledge, skills and understandings of teaching and learning that you have acquired throughout the course in an extended time in the workplace.

Prerequisite(s): EDB024 and successful completion of all other coursework **Corequisite(s):** EDB024 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDB031 Secondary Field Studies 1

Designated Unit.

This unit focuses on the students' professional development as an educator, and reinforces the twin themes of teacher as researcher, and teacher as reflective practitioner. It provides the first set of teaching experiences, in a graduated sequence over the course of the BEd. Students develop the ability to plan, implement and evaluate effective teaching/learning programs. This requires an understanding of learner needs, curriculum knowledge, procedures for

creating supportive classroom environments, and sensitivity to socio-cultural contexts.

Please note in Semester 2 this unit is ONLY available to students who have previously failed the unit and have received approval from the faculty to be enrolled in the alternate offering. This unit is not available to Visiting or Cross-Institutional students.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

EDB032 Secondary Field Studies 2

Designated Unit

Through critical examination of the socio-cultural dimensions of these sites, this unit aims to utilise aspects of social enquiry to analyse the practice of teaching as a social and cultural activity. At the same time, the unit aims to develop students' pedagogical and curriculum skills as a teachers.

Prerequisite(s): EDB031 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDB033 Secondary Field Studies 3

Designated Unit.

Students will be required to design, implement and evaluate differentiated teaching strategies, programs and assessment tasks in inclusive and critically reflective ways and in a manner that is responsive to the diverse nature of the students in your classes. Students will be required to argue that their orientations to curriculum, teaching and assessment reflect practices that offer all students access to quality learning experiences.

Prerequisite(s): EDB032 **Corequisite(s):** Curriculum 3X and 3Y **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDB034 Secondary Field Studies 4

Designated Unit.

This unit is designed to fully immerse the pre-service teacher into the field with a view to scaffolding their repositioning as an autonomous, critically reflective, inclusive professional teacher on completion.

Prerequisite(s): EDB033 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDB035 Internship (Secondary)

Designated Unit.

This unit aims to induct students into the professional work of teachers. The aim of this unit is to apply the knowledge, skills and understandings of teaching and learning that students have acquired throughout the course in an extended time in the workplace.

Prerequisite(s): EDB034 and successful completion of all course work **Corequisite(s):** EDB034 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDB036 Introduction To Education

Credit points: 12

EDB037 Introduction To Educational Sites

EDB101 Introduction to Learning Facilitation

To operate effectively in learning environments and to inform their marketability in the global workplace, adult learning professionals need to be aware of their own capabilities, biases and preferred learning styles, skills and knowledge bases, and areas of potential. The unit will encourage the initiation and development of reflective practice, critical analysis and information synthesis skills which will be applied both personally and within the professional area. Using externalization and internalization, this unit will begin the student's journey to become a self directed life long learner.

Prerequisite(s): Nil **Corequisite(s):** SPB102 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDB102 Advanced Learning Facilitation

Adult learning professionals must possess the micro-skills and macro-strategies required to manage and conduct semi-structured and unstructured learning experiences for adult learners. The unit is designed to develop the students' knowledge and skills in managing these sorts of processes of learning and to develop self-confidence. This is a practical unit which will enhance the skills and knowledge that students require for personal and portfolio development. This Unit is designed to build on the skills and knowledge students have developed in these areas in Introduction to Learning Facilitation.

Prerequisite(s): EDB101, SPB102 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDB103 Work Integrated Learning: Problem Based

Using a problem based learning approach, this Unit provides students with an opportunity to enhance their understanding of a range of work practices and roles in adult, organisational and community learning contexts by undertaking an individualised or small team professional project. Foci for the project could include: teaching and learning; curriculum development and/or instructional design (including e-learning); consultancy and educational brokerage; organisational change and learning facilitation; international education; Indigenous education and training. The Unit will also provide students with an opportunity to extend their existing work contacts and to create new professional networks. Before commencing their professional project, students must satisfactorily complete a compulsory module on risk management.

Prerequisite(s): EDB101, EDB102, SPB102, SPB103, SPB104 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDB104 Work Integrated Learning: Action Research

Using an action learning approach this Unit provides students with further opportunities to enhance their understanding of a range of work practices and roles in adult, organisational and community learning contexts by undertaking an individualised or small team professional project. Foci for the project could be the same as or different from those pursued by the students in Work Integrated Learning: Problem Based. The Unit also provides students with further opportunities to extend their existing work contacts and to create new professional networks.

Prerequisite(s): EDB103 **Corequisite(s):** SPB108 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDB200 Insights into Early Childhood Development

The unit aims to develop knowledge and understanding of early childhood development with a focus on children's thinking and communicating in a social context.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDB350 English for Teachers

This unit aims to continue the development of participants' own language proficiency and intercultural competence and to further develop their understandings of the importance of effective and appropriate use of language in successful TESOL classrooms.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

EDB351 TESOL Methodology 1

This unit is designed to help TESOL teachers to develop a range of understandings so that they can plan and implement effective TESOL programs for young learners and interpret and manage the classroom as a complex social environment for teaching and learning.

Corequisite(s): EDB350 **Credit points:** 12 **Campus:** Kelvin Grove **Incompatible with:** CLB351

EDB352 Classroom-Based Research: TESOL Methodology 2

Language teachers are required to make informed pedagogical decisions which are response to the learning needs of their students and to the curriculum frameworks of the context in which they work. This unit extends the understandings and strategies developed TESOL Methodology 1 and encourages participants to expand their pedagogical repertoire as they refine their own developing teaching philosophy.

Prerequisite(s): EDB350, EDB351 **Corequisite(s):** EDB350, EDB351 **Credit points:** 12 **Campus:** Kelvin Grove

EDB353 TESOL Materials and Curriculum Development

Effective language teachers working with young children need to be able to critically analyse, evaluate, develop and generate course materials and activities that engage young learners and support their language development in a principled and coherent fashion across the teaching period.

Prerequisite(s): EDB350, EDB351 **Corequisite(s):** EDB350, EDB351, EDB352 **Credit points:** 12 **Campus:** Kelvin Grove

EDB354 Resources, Design and Evaluation for English as a Foreign Language

This unit improves and expands the English language of participants. Helps them to select, develop and critically analyse resources in which EFL teachers of young children can work with resources in teaching/learning contexts.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

EDB355 Comparative Curriculum Study

Students in this unit will consider varying orientations to curriculum as a framework from which they can understand their own and others' education systems. In particular they will be able to examine curriculum and contexts in Malaysia and Australia

Credit points: 12 **Campus:** Kelvin Grove

EDB403 Field Experience 4

In Part 7 (In-Field), students learn how to review assessment procedures in specific contexts, such as those stated in Part 6, check the consistency of the assessment decision, and report review findings. During Part 8 (Private Study), students reflect upon what they have learnt from Parts 2-7, how they overcame barriers/problems of learners in the training/education context, and how these experiences should assist them to become effective trainers/educators.

Prerequisite(s): EDB400, EDB401, EDB402

Corequisite(s): Nil **Contact hours:** 20 day placement; pre- and post-tutorials **Campus:** External

EDB410 Introduction To Research Methods

This unit provides a foundation for understanding research design and methods in education. It focuses on reading, understanding and evaluating educational research both within and across different paradigms and on enabling students to develop their own plan for a small-scale research project. It includes the development of skills in understanding, appreciating, and using the processes and techniques of research. Students are made aware of the variety of research cultures and theoretical perspectives, to become informed consumers of the research findings of others.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

EDB411-1 Dissertation (Stage 1)

This unit provides you with opportunities to develop research skills that are increasingly important for teachers in an era when schools, professional associations and other educational settings are becoming important sites of knowledge production.

Corequisite(s): EDB410 **Credit points:** 12 **Campus:** Kelvin Grove

EDB411-2 Dissertation (Stage 2)

This unit provides you with opportunities to develop research skills that are increasingly important for teachers in an era when schools, professional associations and other educational settings are becoming important sites of knowledge production.

Prerequisite(s): EDB410 **Credit points:** 12

EDB411-3 Dissertation (Stage 3)

This unit provides you with opportunities to develop research skills that are increasingly important for teachers in an era when schools, professional associations and other educational settings are becoming important sites of knowledge production.

Prerequisite(s): EDB410 **Credit points:** 12

EDB433 Primary Professional Practice 4: Beginning Teaching

Designated Unit

In this unit, 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 is on planning and implementation of the total program. It includes thirty days of practice teaching in a primary school.

Prerequisite(s): EDB432 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 30 days school placement **Campus:** Kelvin Grove and External

EDB440 Independent Study

This unit involves self-initiated and self-directed academic study in an area of educational management interest that allows study either to a depth not possible in electives, or in an area not covered by the course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove and External

EDB453 Secondary Professional Practice 4: Beginning Teaching

Designated Unit.

In this unit 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 is on planning and implementation of the total program. It includes 30 days of practice teaching in a secondary school.

Prerequisite(s): EDB452 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

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.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDN603 Facilitated Study Unit

The unit aims to enhance capacities for flexibility and innovation in educational practice as a result of an in-depth investigation of a problem of professional relevance.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDN604-1 Facilitated Study Unit

The unit aims to enhance capacities for flexibility and innovation in educational practice as a result of an in-depth investigation of a problem of professional relevance. The unit engages students in a comprehensive examination of relevant theory, research, policy, and/or practice in the area of investigation.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDN604-2 Facilitated Study Unit

See EDN604-1.

Credit points: 12

EDN605-2 Facilitated Study Unit 2/3

See Part 1 of unit

Credit points: 12

EDN605-3 Facilitated Study Unit 3/3

See Part 1 of unit

Credit points: 12

EDN610 Professional Dialogues in Education

This unit aims to develop understanding of what it means to be an innovator and a leader in a contemporary professional context. The unit is underpinned by the notion that innovation means being more critical, being open, being able to engage with greater uncertainty and complexity, and being able to learn from the past in order to manage the future.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDN611 Professional Applications of Research

The unit focuses on the needs of professionals to seek research knowledge that addresses specific problems or issues in their practice and to develop a positive attitude towards research in general. It assists students to search databases and other sources to locate published research reports in their field and evaluate them critically.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDN612 Conducting Innovative Educational Research

The unit aims to enhance capacities for undertaking research in educational and other learning contexts that is innovative in both its focus and its approach. The unit engages students in a comprehensive examination of relevant research theory and practical application.

Prerequisite(s): EDN611 or equivalent **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDN619 Educational Research: Design, Methodology and Analysis

In this unit, the dynamic interplay between educational theory and research will be emphasised with the intent of developing your skills and knowledge required by consumers and practitioners of educational research.

Credit points: 12

EDN626 Learning And Teaching In Higher Education

This unit aims to develop the student's capacity to take a theoretically grounded approach to teaching and learning in higher education, specifically through increasing their knowledge of formal and informal theories of learning and teaching.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet

EDN627 Contexts And Issues In Higher Education

This unit aims to provide students with opportunities to develop an understanding of a range of contemporary

historical, policy and social issues that impact on higher education at institutional, school, department, course and individual levels.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet

EDN629 Online Design: Implications for Learning

This unit aims to provide students with the opportunity to gain the knowledge, skills and confidence to use a variety of delivery methods appropriate to their post-secondary student cohort, and to be able to evaluate and critique each mode of delivery within a pedagogical framework, which is student-centred and context-specific.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet

EDN630 Curriculum Design, Assessment and Evaluation in Higher Education

The unit aims to introduce students to key concepts and practices underpinning contemporary curriculum design, development, assessment and evaluation in rapidly changing global and local contexts.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet

EDN631 Supervised Practicum 1

The aim is to provide students with a basic level of professional knowledge and skills in the practice of educational and development psychology and an awareness of ethical guidelines. Students will also develop a high standard of professional conduct through supervised practice.

Prerequisite(s): Provisional registration with the Psychologists Board of Queensland **Corequisite(s):** SPN640, SPN641, PYN601 **Credit points:** 12 **Campus:** Kelvin Grove

EDN632 Supervised Practicum 2

This unit aims to provide students with supervised experience in applying diagnostic, assessment and intervention skills in educational settings. This unit will also develop students' written and oral communication skills and provide them with practice in using these skills to communicate results of assessments and recommendations for interventions to school staff, parents and other stakeholders.

Prerequisite(s): EDN631 **Corequisite(s):** SPN642 **Credit points:** 12 **Campus:** Kelvin Grove

EDN633 Supervised Practicum 3

The unit provides students with supervised experience in applying their diagnostic, assessment and intervention skills within non-educational settings. It will further develop their written and oral communication skills, and provide them with practice in using these skills to communicate results of assessments and intervention strategies within teams from non-educational settings.

Prerequisite(s): EDN631 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** Approximately 2 days per week for practicum **Campus:** Kelvin Grove

EDN634 Supervised Practicum 4

This unit aims to provide students with support in ensuring that they have attained the level of knowledge and skill required to meet the competencies of the Psychologists Board of Queensland.

Prerequisite(s): EDN631, EDN632, EDN633

Corequisite(s): Nil **Credit points:** 12 **Campus:** Kelvin Grove

EDN635 Field Studies in Early Childhood

In this unit, students are required to draw on professional knowledge and experience in making child observations and in planning, implementing and evaluating learning experiences for children.

Prerequisite(s): EAN601 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet

EDN641 Field Studies in Early Childhood: Birth To 5 Years

Credit points: 12

EDP415 Engaging Diverse Learners

Increasingly rich and complex opportunities are offered to today's learners to engage in personal, contextual and technological approaches to knowledge construction. To participate effectively in modern learning environments, and to be able, in the future, to support the learning of diverse learners, students completing this unit will develop an understanding of the processes of learning, and the influence of both individual differences and socio-cultural contexts in personal, social and professional development.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDP416 The Professional Practice of Educators

This Education Studies unit builds your professional and ethical capacity as an Early, Middle or Senior Phase Educator by developing a social science framework for understanding and analysing the professional practice of educators in local and global contexts. The unit will develop your knowledge of the social, cultural, and political strategies shaping professional practice and education today. It will also develop your understanding of the identities produced by these strategies and of the ways in which they might be ethically and equitably managed in all phases of learning.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDP421 Early Years Field Studies 1: Engaging Diverse Learners

Designated Unit.

Inclusive philosophies and pedagogies are fundamental for schools and educators who seek to provide rich educational experiences for all learners in the early years of schooling. Teachers must be able to identify and reduce barriers to learning and maximize educational outcomes in response to the needs and interests of all students. This unit provides students with the opportunity to investigate and develop their ability to identify a range of social, cultural and political issues which may create barriers to learning. It also engages students with various pedagogical responses that may provide inclusive educational experiences for students in the early years.(22 days Field Studies).

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDP422 Early Years Field Studies 2: The Professional Practice of Educators

Designated Unit.

This unit prepares you for your work as a beginning teacher, on completion of this course. It provides you with the opportunity to identify and discuss professional issues for beginning teachers in the early years. It aims to develop strong links between research, theory and practice by emphasising inquiry- and evidence-based approaches to teaching and learning in early childhood settings and professional development for teachers. (33 days Field Studies).

Prerequisite(s): EDP421 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDP431 Middle Years Field Studies 1: Engaging Diverse Learners

Designated Unit.

This unit integrates and applies the current perspectives, issues and theoretical frameworks of inclusion and diversity. It enhances the student's ability to identify and address social, cultural, political and legislative issues to provide quality inclusive educational experiences for all learners. Students will actively engage with the challenges and practices of inclusive education in the classroom and the broader educational setting. To do this effectively students will need to identify barriers to student learning and develop strategies to maximize educational outcomes for all students. (22 days Field Studies)

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDP432 Middle Years Field Studies 2: The Professional Practice of Educators

Designated Unit. This unit identifies, discusses and applies the professional issues and responsibilities the beginning teacher needs to be aware of. The student's ability to identify the crucial professional issues for them personally will be enhanced. Students will not only engage with the challenges of addressing social, cultural, political and legislative issues to provide quality inclusive educational experiences for all learners but also identify a professional development program that best accommodates their needs as a beginning teacher. (33 days Field Studies).

Prerequisite(s): EDP431 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDP441 Senior Years Field Studies 1: Engaging Diverse Learners

Designated Unit.

This field studies unit integrates and applies the current perspectives, issues and theoretical frameworks of inclusion and diversity. It enhances the student's ability to identify and address social, cultural, political and legislative issues to provide quality inclusive educational experiences for all learners. Students will actively engage with the challenges and practices of inclusive education in the classroom and the broader educational setting. To do this effectively

students will need to identify barriers to student learning and develop strategies to maximize educational outcomes for all students. (22 days Field Studies).

Corequisite(s): Teaching Area Curriculum Studies 1 unit
Credit points: 12 **Campus:** Internet and Kelvin Grove

EDP442 Senior Years Field Studies 2: The Professional Practice of Educators

Designated Unit.

This Field Studies Unit is designed to alert you to the professional issues of ethical and equitable practice, to legal responsibilities that face any educator, and to the need to stay informed of new developments shaping professional practice. In the field study placement you will move towards becoming a beginning teacher, managing learning environments that are educationally productive, alert to student diversity and the legislative context, as well as mindful of the need for ongoing career enrichment and planning. (33 days Field Studies).

Prerequisite(s): EDP441 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

EDR702-1 1-9 Thesis

This unit provides students with an opportunity to extend and synthesise knowledge from the coursework section. It allows the coursework to be applied as it may be used in future work situations and 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. The unit focuses on the extension of acquired knowledge to increase the understanding and competence of skilled professional educators and 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 Imp

Prerequisite(s): EDR703 **Credit points:** 24 **Campus:** Internet, Kelvin Grove and External

EDR702-2 1-9 Thesis

This unit provides students with an opportunity to extend and synthesise knowledge from the coursework section. It allows the coursework to be applied as it may be used in future work situations and 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. The unit focuses on the extension of acquired knowledge to increase the understanding and competence of skilled professional educators and 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 Imp

Prerequisite(s): EDR703 **Credit points:** 24 **Campus:** Internet, Kelvin Grove and External

EDR702-3 1-9 Thesis

This unit provides students with an opportunity to extend and synthesise knowledge from the coursework section. It

allows the coursework to be applied as it may be used in future work situations and 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. The unit focuses on the extension of acquired knowledge to increase the understanding and competence of skilled professional educators and 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 Imp

Prerequisite(s): EDR703 **Credit points:** 24 **Campus:** Internet, Kelvin Grove and External

EDR702-4 1-9 Thesis

This unit provides students with an opportunity to extend and synthesise knowledge from the coursework section. It allows the coursework to be applied as it may be used in future work situations and 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. The unit focuses on the extension of acquired knowledge to increase the understanding and competence of skilled professional educators and 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 Imp

Prerequisite(s): EDR703 **Credit points:** 24

EDR702-5 1-9 Thesis

This unit provides students with an opportunity to extend and synthesise knowledge from the coursework section. It allows the coursework to be applied as it may be used in future work situations and 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. The unit focuses on the extension of acquired knowledge to increase the understanding and competence of skilled professional educators and 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 Imp

Prerequisite(s): EDR703 **Credit points:** 24

EDR702-6 1-9 Thesis

This unit provides students with an opportunity to extend and synthesise knowledge from the coursework section. It allows the coursework to be applied as it may be used in future work situations and 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. The unit focuses on the extension of acquired knowledge to increase the understanding and competence of skilled professional educators and 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 Imp
Prerequisite(s): EDR703 **Credit points:** 24

EDR702-7 1-9 Thesis

This unit provides students with an opportunity to extend and synthesise knowledge from the coursework section. It allows the coursework to be applied as it may be used in future work situations and 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. The unit focuses on the extension of acquired knowledge to increase the understanding and competence of skilled professional educators and 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 Imp

Prerequisite(s): EDR703 **Credit points:** 24

EDR702-8 1-9 Thesis

This unit provides students with an opportunity to extend and synthesise knowledge from the coursework section. It allows the coursework to be applied as it may be used in future work situations and 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. The unit focuses on the extension of acquired knowledge to increase the understanding and competence of skilled professional educators and 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 Imp

Prerequisite(s): EDR703 **Credit points:** 24

EDR702-9 1-9 Thesis

This unit provides students with an opportunity to extend and synthesise knowledge from the coursework section. It allows the coursework to be applied as it may be used in future work situations and 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. The unit focuses on the extension of acquired knowledge to increase the understanding and competence of skilled professional educators and 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 Imp

Prerequisite(s): EDR703 **Credit points:** 24

EDR703 Interdisciplinary in Education Studies (Advanced Seminars)

This unit is 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. The unit 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.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 24 **Campus:** Kelvin Grove

EEB511 Modern Control and Power Electronics

The unit comprises the modules Control Systems B and Power Electronics. Control Systems B introduces students to discrete-time control by extending the conventional control into the discrete-time domain. As a second part of Control Systems B, the state model oriented approach for designing control systems is introduced. The second module covers power rectification, controlled rectification, inverters, AC and DC drives, uninterrupted power supplies, power switching components.

Prerequisite(s): EEB411 **Contact hours:** 4 per week
Campus: Gardens Point

EEB521 Digital Systems and Control

The unit comprises the modules 'Control Systems B' and 'Digital Systems Design'. Control Systems B introduces to discrete-time control by extending the conventional control into the discrete-time domain. As a second part of Control Systems B, the state model oriented approach for designing control systems is introduced. As second module, it provides the theory and design of advanced digital systems and practical implementation.

Prerequisite(s): EEB411, EEB412 **Contact hours:** 4 per week
Campus: Gardens Point

EEB560 Digital Communications

Revolutionary developments in the field of Digital Communication Technology have enabled improvement in the characteristics of communication systems in order to meet the performance requirements for transmission of information for private, business and industrial applications. This unit which covers Elements of a Digital Communication System aims at providing the students with an in-depth understanding of the theory and applications of digital communication systems and technology.

Prerequisite(s): EEB440 **Contact hours:** 4 per week
Campus: Gardens Point

EEB640 Digital Signal Processing

The unit comprises the area of Digital Signal Processing and provides students with the fundamentals of discrete-time signal processing, discrete Fourier transform, discrete convolution, digital filters and digital spectral estimation. Examples and applications arising from various disciplines are presented to prepare the student to solve practical problems.

Prerequisite(s): EEB440, MAB135 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

EEB732 Space Technology

This unit offers a general introduction to space technology. It includes the following: coordination of systems and time references used within space flight dynamics; discussion of rocket ascent trajectories and satellite orbit dynamics; detailed description and discussion of satellite as a system and subsystems; description and discussion of rocket as a system; introduction to satellite launch systems and satellite applications.

Prerequisite(s): EEB435 or EEB431 **Contact hours:** 4 per week **Campus:** Gardens Point

EEB760 Aerospace Radio and Radar Systems

Radio and radar systems provide the backbone and arteries of all aerospace and avionics systems. A knowledge of the effects of electromagnetic compatibility and interference and the standards which apply as well as a detailed knowledge of the theory and techniques of ground, air and space based radio and radar systems is essential for all avionics engineers. Radio and radar systems are an integral part of the safe and efficient operation of aircraft movements and must be considered as part of the system as a whole.

Prerequisite(s): EEB560, EEB641 **Contact hours:** 4 per week **Campus:** Gardens Point

EEB766 RF Communication Technologies

The unit covers various communication and signal processing technologies that are used in point to point and point to multi-point; wired and wireless communications including microwave terrestrial and satellite communication; last miles solutions including ADSL, VDSL and wireless local loops; ad hoc radio transmission such as the Bluetooth and Home RF, Wireless LANs including wireless infrared transmission and IEEE802.11 standard.

Prerequisite(s): EEB560 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

EEB781 Professional Studies 2

This is to provide adequate skills for young professional engineers to start a small business or be active partner in one. Personnel management skills are developed including: assertion training; interpersonal relationships; organisational change; professional ethics and negotiation.

As well the unit covers the basics of accounting practice, types of companies, marketing principles, business plans, intellectual property and statutory obligations on company managers.

Prerequisite(s): BNB007 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

EEB782-1 Systems Project

In this unit an 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, signal processing, and power and may include programming, circuit and system design.

Prerequisite(s): Completion of the first three years of the course. **Credit points:** 12 **Contact hours:** 1 per week **Campus:** Gardens Point

EEB782-2 Systems Project

In this unit an 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, signal processing, and power and may include programming, circuit and system design.

Prerequisite(s): First part of project **Credit points:** 12 **Campus:** Gardens Point

EEB831 Military Combat Electronics

This unit addresses the following: sound generation propagation and analysis in the military 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; ECM/ECCM; sonar processing; laser processing and guidance; radar guidance/sighting; gun sights; weapons control systems; IFF/transponders; command and control; magnetic anomaly detection; tactical navigation systems; infra red. Some ethical, social and moral aspects concerning military systems will be discussed.

Prerequisite(s): EEB435, EEB560, EEB640, EEB641 **Contact hours:** 4 per week **Campus:** Gardens Point

EEB833 Spacecraft Guidance and Navigation

This unit includes the following: general introduction to spacecraft guidance and navigation systems and concepts; coordination of systems and time references applied within spacecraft guidance and navigation; discussion of spacecraft orbit and attitude dynamics; detailed description and discussion of GNSS system aspects; GPS observables and data processing; description and discussion of spacecraft guidance and navigation sensors and systems; methods for spacecraft orbit and attitude determination; discussion of spacecraft actuators.

Prerequisite(s): EEB732 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

EEB835 Navigation Systems for Aircraft

Modern aviation continues to flourish, with millions of passenger miles flown each year throughout the world and in all kinds of weather condition. Safe and reliable navigation is one of the primary functions that enable these flights. In past years pilots navigated visually but this relied on fair weather conditions. Today pilots use navigation aids to allow navigation in all types of weather conditions day or night.

This unit presents the principles and practices of modern navigation sensors and systems. To be a competent Avionics Engineer, a detailed knowledge of the principles of navigation is mandatory. Navigation is a fundamental building block for all aspects of aerospace projects.

Prerequisite(s): EEB560, EEB641 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

EEB882 Industry Project

The CEED Industry Project may be completed in the first or second semester of the final year full time course. CEED is intended to introduce students to industry practices under the guidance of a qualified engineer/supervisor and prepare them with design, technical, teamwork and communication skills such as they are likely to encounter upon graduation. Because the project is industry based, the student will spend the majority of their allocated project time performing practical engineering at the industry premises. Individually structured projects are offered to final year students on a competitive basis through a formal application and selection process.

Prerequisite(s): Completion of 3 years full-time study **Campus:** Gardens Point

EEB889-1 Project

This unit is divided into two parts: EEB889-1 and EEB889-2. Students normally complete part 1 in semester 1 and part 2 in semester 2 in their final year of study.

An 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, signal processing, electrical power, or aerospace/avionics. The project may include programming, circuit and system design.

Prerequisite(s): Completion of the first three years of the course **Credit points:** 12 **Contact hours:** 1 per week
Campus: Gardens Point

EEB889-2 Project

This unit is divided into two parts: EEB889-1 and EEB889-2. Students normally would complete part 1 in semester 1 and part 2 in semester 2 in their final year of study.

An 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, signal processing, electrical power, or aerospace/avionics. The project may include programming, circuit and system design.

Prerequisite(s): The student must have completed the first three years of the course **Corequisite(s):** This unit must be done in the final year of the course **Credit points:** 12 **Contact hours:** 1 **Campus:** Gardens Point

EEB911 Electrical Energy Systems

This unit addresses the following: electricity transmission and distribution networks; structure and controls; quality and reliability of electricity supply; energy use in buildings; lifts fire systems standby generation, lighting, communication, air conditioning; renewable energy options; characteristics and utilisation of alternate sources; the electricity market; distribution automation; data communications for distribution networks; earthing and soil resistivity; switchgear and protection; insulation coordination.

Prerequisite(s): EEB511, EEB584 **Contact hours:** 4 per week **Campus:** Gardens Point

EEB941 Modern Signal Processing

This unit gives a comprehensive introduction to the representation and processing of signals distorted or corrupted by noise, and the systems needed to process them. Techniques for estimating signal parameters for the detection of signals in the presence of noise will be discussed. The methods presented will be tested on real data drawn from different engineering applications, such as wireless communications, biomedical EEG signals and brain models, speech and music synthesis, and radars.

Prerequisite(s): EEB640 **Contact hours:** 4 per week
Campus: Gardens Point

EEB960 Wireless Communications

This unit addresses the following: cellular mobile radio system concepts; mobile radio propagation; spread

spectrum techniques and CDMA; speech coding modulation and channel coding techniques for GSM and CDMA; fading mitigation through diversity; inter-symbol interference mitigation; the GSM and CDMA standards; the WAP and the GPRS; introductions to UMTS/IMT2000; introduction to personal communications; introduction to blue tooth technology; other wireless systems including wireless LAN, wireless local loop, microwave local multipoint distribution systems (LMDS) and LEO satellite communication.

Prerequisite(s): EEB560 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

EEB961 RF and Applied Electromagnetics

This unit addresses the following: lumped and distributed microwave and RF circuits, including [y], [t] and [s] parameters; impedance matching techniques; passive and active microwave devices; RF circuit design techniques; microwave and RF measurement techniques; linear antennas and microwave antennas; analysis and synthesis of antenna arrays; specialised antennas and antenna measurements; EMC definition, standards and regulations; test plan; measurements; interference coupling; susceptibility; EMC design techniques, component selection, circuit layouts, grounding, shielding, filters, suppressors, isolation and safety; EMC management; propagation of electromagnetic fields in electrical materials; application of numerical methods.

Prerequisite(s): EEB641 **Contact hours:** 4 per week
Campus: Gardens Point

EEB976 Advanced Industrial Electronics

Two of the following modules will be offered each year: 1. Switching converters, variable speed drive control, power system compensation converters, UPSs, transformer switched mode power supplies, resonant power supplies. 2. Basic microprocessor systems, M68332 CPU, architecture, assembly language, MC6832 modules, system integration, queued serial communications, time processor unit, peripheral devices and interfacing, parallel/serial communications, ADC's, DAC's, waveform synthesisers. 3. RF systems, transmitters and receivers, superheterodyne, antenna, filters, LNA, mixer, LO, IF amplifier, demodulator, duplexer, RF switches, impedance matching, high frequency effect on components, microstrip techniques, CAD RF design.

Prerequisite(s): EEB412 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

EEP101 Algorithms for Control and Engineering

This unit addresses the following: 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:**

Gardens Point

EEP102 Unix and C for Engineers

This unit covers C programming and the Unix operating system. Unix commands, file structure, processes, shells and shell scripts are discussed. C programming is covered without assumed prior knowledge but at a level and pace suited for the postgraduate or advanced undergraduate student. Data types, operators and expressions, control flow, functions, pointers and arrays, strings, data structures, memory allocation, input and output and support for real-time applications are discussed. Self-study tutorials are used to reinforce fundamental concepts. An engineering application is chosen for the assignment that is conducted in a problem-based learning framework.

Contact hours: 3 per week **Campus:** Gardens Point

EEP103 Computer Hardware and Interfacing

This unit includes the following: state-of-the-art digital devices; design and implementation of digital systems; microprocessors and microcontroller systems and interfacing; computer architectures, subsystems and peripherals.

Contact hours: 3 per week **Campus:** Gardens Point

EEP104 Real-Time Operating Systems

This unit covers operating systems principles with emphasis on real-time operating systems. Operating system fundamentals are introduced and concepts such as process management, input/output management, file management, resource allocation and scheduling, and protection are discussed in detail with a Unix-like operating system such as Minix or Linux as the example. Students enhance their C programming skills in assignments on multitasking, interrupt-driven input-output and device driver modification. Current commercial real-time operating systems such as QNX are reviewed.

Contact hours: 3 per week **Campus:** Gardens Point

EEP120 Networks and Distributed Computing

This unit includes the following: the open system interconnection model and the more common standards which support the model; layers 3-7 covered in depth, layers one and two 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.

Contact hours: 3 per week **Campus:** Gardens Point

EEP123 Process Control and Robotics

This unit includes the following: introduction to robotics; introduction to CNC machine tools; process control; controller tuning, plant characterisation and process optimisation; computer simulation and algorithms.

Contact hours: 3 per week **Campus:** Gardens Point

EEP124 Data Communications

This unit will provide an in-depth knowledge of the following: data transmission channels; the various types of modems, their use and specifications; the different aspects of

interfacing for data communications; coding; compression and encryption of data; network models and other specialised topics.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EEP126 Communications Digital Signal Processing

This unit includes the following: 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EEP127 Advanced Topic B

An advanced topic in the field of computers and communication engineering.

Contact hours: 3 per week **Campus:** Gardens Point

EEP129 Image Processing and Computer Vision

The aim of this unit is to provide theoretical and practical understanding of the fundamentals of image processing and computer vision with exposure to important algorithms and applications. It covers image acquisition, image representation and modelling, image enhancement, image restoration, edge detection, image segmentation, morphological techniques, shape description, classification and fundamentals of projective geometry and stereo vision.

Contact hours: 3 per week **Campus:** Gardens Point

EEP135 Digital Signal Processing and Applications

This unit includes the following: 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.

Contact hours: 3 per week **Campus:** Gardens Point

EEP301-1 Project

Students carry out research or development work on a project in specified areas. This can be done over two semesters.

Campus: Gardens Point

EEP301-2 Project

Students carry out research or development work on a project in specified areas. This can be done over two semesters.

Campus: Gardens Point

EEP304 Project Component

Basic engineering research, design and development skills are essential for engineers working on projects in the research field or in industry. A complete project will contain a number of development phases, to varying extents, in the areas of feasibility, literature review, specification, design, simulation, implementation and testing. In this unit students will concentrate on at least one of the above aspects of a project. They will get the opportunity to apply themselves to a research/design/development task, and produce a technical report on the progress achieved. This unit requires

maturity and knowledge of earlier/concurrent course material and should be done at the end of the course. The project component can be industry or school based.

Campus: Gardens Point

EFB101 Data Analysis for Business

The unit introduces the common statistical methods and tools for inference and decision making in business. It builds upon the concepts developed in the unit BSB122 Quantitative Analysis and Finance and covers important methods of data analysis with an emphasis on interpreting and understanding reported business and economic data. Topics include the concept of sampling error and sampling distributions, estimation and hypothesis testing, regression analysis, time series and an introduction to non-parametric statistical methods.

Prerequisite(s): BSB122 or CTB122 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** MAB101, MAB237, MAB347

EFB102 Economics 2

Consumer behaviour, the role of the government in market intervention, allocative efficiency and market structure are some of the fundamental issues in microeconomics addressed in this unit. Business cycles and the related issue of macroeconomic stabilisation policy are analysed and explained within the Australian context. The significance of the international economy is described through a discussion of foreign exchange markets, the Australian dollar and the terms of trade.

Prerequisite(s): BSB113 or CTB113 **Contact hours:** 3 per week **Campus:** Gardens Point

EFB200 Applied Regression Analysis

This unit expands 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-sectional 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.

Prerequisite(s): EFB101 or MAB101 **Contact hours:** 3 per week **Campus:** Gardens Point

EFB201 Financial Markets

This unit introduces students to the institutional structure of global financial markets, and thereby complements the understanding of theoretical finance gained in either BSB122 or EFB210. Topics covered include the functions of financial markets, the banking and payments system, financial system deregulation, non-bank financial institutions, stock exchange operations, debt markets, foreign exchange markets and markets for financial derivatives.

Prerequisite(s): BSB113 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EFB202 Business Cycles and Economic Growth

This 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 balance of payments, the Commonwealth budget and national saving.

Prerequisite(s): EFB102 **Contact hours:** 3 per week **Campus:** Gardens Point

EFB210 Finance 1

This unit covers the following topics: an introduction to the financial institutional framework; an introduction to debt and equity instruments; financial mathematics applied to the pricing of debt and equity securities; a firm's investment decision including Net Present Value (NPV) and Internal Rate of Return (IRR); introduction to risk and uncertainty using the Capital Asset Pricing Model (CAPM) and Weighted Average Cost of Capital (WACC) concept and risk management.

Prerequisite(s): BSB123 or BSB122 or CTB122 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** EFB206

EFB211 Firms, Markets and Resources

This unit is concerned with the economic analysis of the decisions and actions of consumers, firms, and governments in modern economies. It develops student understanding of that body of economics that is expressly concerned with the operations of, and inter-relationships between, the individual units of the economy. The unit is designed, not only to foster both clear thinking about the interplay between government, private firms, and consumers, but also to develop the student's ability to apply microeconomic concepts to economic problems that the student has not previously encountered.

Prerequisite(s): EFB102 **Contact hours:** 3 per week **Campus:** Gardens Point

EFB213 Management Science

Introduces students to a range of modelling procedures which can be used to assist business in decision making under uncertainty. Constrained optimisation techniques are used to help minimise costs, time and resource use, or maximise profits in areas such as inventory management, resource allocation, queuing theory, and transportation among others. The use of computers allows students to concentrate on the applications of these techniques and their interpretation, and to recognise the strengths and weaknesses of these models. Topics covered include Linear Programming, Transport Analysis, Project Management and Scheduling, Inventory Analysis, Decision Theory, Queuing Theory and Simulation.

Prerequisite(s): BSB122 or CTB122 **Contact hours:** 3 per week **Incompatible with:** EPB104

EFB222 Quantitative Methods For Economics and Finance

Prerequisite(s): BSB122 or CTB122 or BSB123 **Credit points:** 12 **Incompatible with:** EFB101

EFB223 Economics 2

Consumer behaviour, the role of the government in market intervention, allocative efficiency and market structure are

some of the fundamental issues in microeconomics addressed in this unit. Business cycles and the related issue of macroeconomic stabilisation policy are analysed and explained within the Australian context. The significance of the international economy is described through a discussion of foreign exchange markets, the Australian dollar and the terms of trade.

Prerequisite(s): BSB113 or CTB113 **Credit points:** 12
Incompatible with: EFB102

EFB230 Financial Planning and Investments

Prerequisite(s): EFB210 **Credit points:** 12 **Campus:** Gardens Point

EFB240 Finance for International Business

In this unit students analyse the way international operations and performance of business can be put at risk by changing financial and regulatory conditions across borders and determine how best to manage the exposure to this risk. This unit examines the following: the evolution of the international financial system; the foreign exchange market; the types of foreign exchange rate exposures; managing exchange; translation and consolidation risks; assessing foreign direct investment targets; comparing the performance of foreign affiliates; operations exposure to regulatory risk of tax; investment and competition policy changes; country risk assessment and managing country risk exposure.

Prerequisite(s): BSB113 or CTB113 and BSB119 or CTB119 or BSB122 or CTB122 **Credit points:** 12
Incompatible with: IBB202

EFB307 Finance 2

This unit includes the following topics: the financing decision - capital structure, debt versus equity, lease versus debt, term structure versus default structure of interest rates; the dividend decision - dividends versus capital gains, franked versus unfranked income; firm valuation; free cash flow model; evaluation of takeovers; Risk and Return - diversification, the CAPM model, its practical application and its relationship to efficient market hypothesis; introduction to forwards, futures, options, warrants, convertibles and risk management using financial derivatives.

Prerequisite(s): EFB210 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EFB308 Finance 3

This unit includes the following topics: a study of contemporary finance research; CAPM; beta estimation; valuation theory; market efficiency; value at risk; use of finance research tools; anomalies and extension of finance theories. Students are required to complete a research project combining theory and practice. This unit covers many topical areas in contemporary finance research. These include, but are not limited to: asset pricing; beta estimation; market efficiency; value at risk; mutual fund performance; volatility modelling; and the term structure of interest rates. Students are required to complete a research project combining theory and practice.

Prerequisite(s): EFB307 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EFB309 Financial Derivatives

This unit extends students' knowledge of financial derivatives as obtained in Finance 2. Topics include: advanced option pricing models; advanced option trading strategies; exotic options; forward and futures pricing models; hedging commodities and equities by using futures; forward rate agreement and interest rate swaps; financial risk management issues.

Prerequisite(s): EFB307 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EFB310 Financial Institutions - Control

This unit introduces students to the fundamental principles of controlling the risk profile and capital position of a deposit-taking financial institution to maintain solvency. The basic framework of the unit is based on the regulatory capital adequacy regimes, supplemented by consideration of the more sophisticated internal models of risk developed by financial institutions themselves. Relevant case studies demonstrate the imperative for, and application of, the risk management framework.

Prerequisite(s): EFB210 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EFB311 Financial Institutions - Lending

This unit examines the fundamental motivations for lending by financial institutions, and the ways in which these are reflected in loan market practice. Specific topics cover the theoretical basis of lending as financial intermediation, the purpose and utilization of loans by borrowers, the major costs of lending for financial intermediaries (including a strong focus on credit costs), lenders' compensation, lending relationships, the structural features of loan agreements, loan security and enforcement, and special topics on syndicated lending and project finance.

Prerequisite(s): EFB210 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EFB312 International Finance

This unit examines 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.

Prerequisite(s): EFB210 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: EFB212, IBB202

EFB314 International Trade and Economic Competitiveness

The unit analyses the increasing globalisation of world trade and investment, and develops an analytical framework to assess the impact of these flows on the Australian economy, its businesses, people and policy makers. It examines the patterns of trade and capital flow.

Prerequisite(s): EFB211 & EFB202 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** EFB212

EFB318 Portfolio and Security Analysis

This unit addresses the following topics: management of investment portfolios; diversification; performance management; risk management; advanced asset pricing models; equity valuation strategies and fixed interest risk analysis.

Prerequisite(s): EFB307 **Contact hours:** 3 per week

Campus: Gardens Point

EFB324 Macroeconomics and Global Financial Markets

The unit provides an in-depth understanding of the interplay between macroeconomic policies and global financial markets. Macroeconomic frameworks adopted in this unit are practically oriented and much of the material with which they deal is drawn from relevant events of recent decades. The unit discusses various analytical tools and policy approaches to the macroeconomy as they affect both developed and developing countries. Particular emphasis is given to how a good knowledge of macroeconomics helps in understanding international financial market developments and also, to some extent, how fluctuations in such markets can have serious implications for macroeconomic conditions and economic policy.

Prerequisite(s): EFB202 **Contact hours:** 3 per week

Campus: Gardens Point

EFB325 Financial Microeconomics

This unit addresses the theoretical microeconomic foundations of financial economics, focussing on how individuals and firms deal with uncertainty and situations involving strategic interactions. The theoretical concepts are illustrated with application from both the private and public sector. Contents include game theory and its economic applications, expected utility theory, risk analysis, intertemporal preferences, cost of capital, demand for capital, and asymmetric information.

Prerequisite(s): EFB211 **Contact hours:** 3 per week

Campus: Gardens Point

EFB326 Applied Portfolio Management

This unit introduces the student to the treasury environment in which financial institutions operate. The key to the unit is the raising of funds and the management of interest rate risk. This unique hands-on unit allows students to develop these skills by trading in a simulated environment of international economic uncertainty. Students have trading parameters within which they should operate. Students must make decisions concerning source of funds, term and duration, interest rate re-set, and risk management with derivatives. Trading will be conducted over a simulated four quarter year.

Prerequisite(s): EFB210 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EFB328 Public Economics and Finance

The major topics/areas covered in this unit include principles underlying government provision, distribution and finance as responses to market failure, externalities and government intervention in the presence of externalities and economics of pollution control Cost benefit analysis and the environment are also dealt with under this section. In the next section we provide an introduction to taxation and then

we discuss tax compliance and reform of the tax system. Under education the unit will cover the following: Market failure and government failure in education, financing of education and education outcomes, consumer choice in education and economic analysis of current directions in education reform. Under health the unit will cover topics such as demand for health, health sector targets and instruments of public policy, health care financing and outputs in Australia and problems of information in the health sector.

Prerequisite(s): EFB211 **Contact hours:** 3 per week

Campus: Gardens Point

EFB329 Contemporary Applications of Economics Theory

This capstone unit reinforces and extends the economic theory introduced to students in the major, and applies it to a number of topical issues that lend themselves to critical analysis using economic principles. Both macroeconomic and microeconomic theories are used with the emphasis placed on usefulness of the theory in development of a framework which assists with decision-making and informs critiques of public policy. Some of the perspectives taken in studying these topics will include: their impacts on efficiency and on specific economic agents and institutions; the role, if any, of government in their resolution; and the economic instruments available to analysts by which to frame their detailed consideration.

Prerequisite(s): 192 credit points of study, including EFB202 and EFB211 **Contact hours:** 3 per week

Campus: Gardens Point **Incompatible with:** EFB323

EFB330 Intermediate Macroeconomics

Prerequisite(s): EFB223 or EFB102 **Credit points:** 12

EFB331 Intermediate Microeconomics

Prerequisite(s): EFB223 or EFB102 **Credit points:** 12

EFB332 Applied Behavioural Economics

Prerequisite(s): EFB223 or EFB102 **Credit points:** 12

EFB333 Introductory Econometrics

Prerequisite(s): EFB222 **Credit points:** 12

EFB334 Environmental Economics and Policy

Prerequisite(s): EFB223 or EFB102 **Credit points:** 12

EFB335 Investments

Prerequisite(s): EFB307 **Credit points:** 12

EFB336 International Economics

Prerequisite(s): EFB330 and EFB331 **Credit points:** 12

EFB337 Game Theory and Applications

Prerequisite(s): EFB331 **Credit points:** 12

EFB338 Contemporary Application of Economic Theory

This capstone unit reinforces and extends the economic theory introduced to students in the major, and applies it to a number of topical issues that lend themselves to critical analysis using economic principles. Both macroeconomic and microeconomic theories are used with the emphasis placed on usefulness of the theory in development of a

framework which assists with decision-making and informs critiques of public policy. Some of the perspectives taken in studying these topics will include: their impacts on efficiency and on specific economic agents and institutions; the role, if any, of government in their resolution; and the economic instruments available to analysts by which to frame their detailed consideration.

Prerequisite(s): EFB222, EFB223 or EFB102, EFB330 and EFB331 **Credit points:** 12 **Incompatible with:** EFB329

EFB340 Finance Capstone

Prerequisite(s): EFB307 **Credit points:** 12

EFB341 Economics and Finance Special Topic - C

The purpose of the unit is to provide undergraduate students with an opportunity to pursue an elective research topic.

Prerequisite(s): Completion of a minimum of 192 credit points of study. Students must seek approval from a potential supervisor and unit coordinator prior to enrolment.

Corequisite(s): Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

EFN405 Managerial Economics

This unit addresses the following topics: managerial decision making in an economic environment; an introduction to economics, demand analysis, cost analysis, market strategy and the macroeconomic environment; issues including problems of resource allocation at the firm, in industry and in the economy.

Prerequisite(s): P/G enrolment **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** GSN203, GSN411, GSN414, GSN491, GSN492

EFN406 Managerial Finance

This unit is an 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; introduction to valuation; cost of funds; the firm investment decision; investment evaluation techniques; capital budgeting; portfolio theory; risk and return; capital asset pricing model; dividend policy; financial structure policy; futures; options.

Prerequisite(s): P/G enrolment **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** GSN413, GSN423

EFN408 Special Topic - Economics, Banking and Finance A

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.

Prerequisite(s): PG only; with an UG degree with a major in Economics or Finance or EFN406 **Credit points:** 12 **Contact hours:** 3 per week

EFN410 Economic and Financial Modelling

This unit introduces students to the 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.

Prerequisite(s): EFN412 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** AYN419, EFN503

EFN412 Advanced Managerial Finance

This unit expands on material introduced and developed in EFN406 Managerial Finance. Its objective is to examine the key decisions made by corporate financial managers (that is the investment, financing and dividend decisions). Topics include: the financing decision $\hat{\lambda}$ capital structure, debt versus equity, lease versus debt, term structure versus default structure of interest rates; the dividend decision $\hat{\lambda}$ dividends versus capital gains, franked versus unfranked income; firm valuation, free cash flow model; evaluation of takeovers; Risk and Return $\hat{\lambda}$ diversification, the CAPM model, its practical application and its relationship to efficient market hypothesis; forwards, futures, options, warrants, convertibles and risk management using financial derivatives.

Prerequisite(s): EFN406 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EFN413 Securities Law

This unit provides an introduction to the aspects of business law, particularly as the legal framework impacts upon those working in the securities industry. The unit looks at the system of law operating in Australia, provides a study of the law of contract and tort law, particularly negligent misstatement. Corporations and aspects of consumer protection law are provided as insight of the law's impact upon marketplace participants, including securities dealers and advisors. The law of business associations, takeovers and market offences are examined.

Prerequisite(s): P/G enrolment only **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** GSN412

EFN414 International Finance

This unit introduces the theory and practice of international finance, the relationship between domestic and international financial markets, international parity conditions and arbitrage, foreign exchange risk management, country and political risk management, international trade finance, international portfolio investment, multinational cost of capital and capital structure, international capital budgeting and foreign direct investment.

Prerequisite(s): EFN406 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** EFN417

EFN415 Security Analysis

This unit deals with security analysis and portfolio management. The unit is both practical and theoretical. Topics covered include: portfolio theory and the capital asset pricing model; bond and equity portfolio management; fundamental valuation techniques; portfolio hedging; active vs. passive investment strategies; and the evaluation of portfolio performance. The ultimate purpose of this unit is to

provide the necessary tools for students to manage investment risk and return, select mispriced securities, design and administer investment portfolios, accomplish goals in portfolio management, and measure the performance of investment management.

Prerequisite(s): EFN406 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: EFN408

EFN416 Treasury and Portfolio Management

This unit introduces the student to the treasury environment in which financial institutions operate. The key to the unit is the raising of funds and the management of interest rate risk. This unique hands-on unit allows students to develop these skills by trading in a simulated environment of international economic uncertainty. Students have trading parameters within which they should operate and decisions must be made concerning source of funds, term and duration, interest rate re-set, and risk management with derivatives. Trading will be conducted over a simulated four quarter year.

Prerequisite(s): EFN406 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EFN419 Data Analysis

The unit introduces the common statistical methods and tools for inference and decision making in business. It covers important methods of data analysis with an emphasis on interpreting and understanding reported business and economic data. Topics include the concept of sampling error and sampling distributions, estimation and hypothesis testing, regression analysis, time series and an introduction to non-parametric statistical methods.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** EFB101

EFN420 Introduction To Financial Management

This unit is a preliminary study of financial information and financial markets and it includes a number of techniques required for analysing financial information.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EFN421 Financial Planning and Strategies

This unit aims to give students a solid grounding in the world of Financial Planning and Superannuation. This will involve gaining knowledge of financial markets and instruments as well as the appropriate regulatory framework.

Prerequisite(s): Postgraduate enrolment **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point

EFN500 Contemporary Macroeconomic Theory

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, New Keynesian and other theoretical approaches to a range of issues. These include: theories of expectation formation, supply side economics, labour markets, monetary theory, real business cycle theory and growth theory.

Prerequisite(s): P/G enrolment; with an U/G degree in

Economics or Finance **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EFN501 Corporate and Commercial Lending

Credit points: 12 **Campus:** Gardens Point

EFN502 Developments in Microeconomic Theories

This unit involves the discussion and analysis of contemporary developments in microeconomic theory, such as game theory and its applications, consumer behaviour, problems of collective action, evolutionary economics, the economics of voting, externalities, public goods, and the market mechanism. It explores refinements in microeconomic theory which have been contemporaneously used in the development of government policies in areas such as the environment, energy, public enterprises and industrial development.

Prerequisite(s): P/G enrolment; with an U/G degree in Economics or Finance **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EFN504 Finance Honours

This unit provides 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. The unit provides a theoretical basis allowing for evaluating policy problems in the area of financial management, a prerequisite for further specialisation in this area.

Prerequisite(s): P/G enrolment; with an U/G degree in Economics or Finance **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EFN505 Financial Risk Management

The unit covers the main areas of modern risk management. The focus is on measuring and managing risks in financial institutions. Particular attention is paid to developing understanding of the analytical

techniques employed in the construction of hedging strategies and the

interrelations between the main areas of risk management. The unit emphasises empirical applications and assessment of risk management techniques. Topics covered include the current state of prudential regulation of financial institutions, measurement and management of market risks, hedging strategies with derivatives and managing interest rate and exchange rate risks.

Prerequisite(s): EFN415 or equivalent (eg. UG degree in Economics or Finance) **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EFN507 Advanced Capital Budgeting

Topics in this unit include: capital investment analysis, the NPV rule, adjusted present value, replacement decisions, retirement decisions, unequal lives, optimal life, cost of capital, estimating beta, capital rationing, valuation of new issues, mergers and takeovers, analysis of financial and

leverage leases, the impact of recent taxation changes on the financing, dividend and investment decisions of the firm, capital budgeting in an international context, access or infrastructure pricing, and real options. The course includes a series of case studies, problems and exercises, which require the student to apply the theory they have learned, to practical situations not covered in normal undergraduate courses. A basic understanding of spreadsheets is assumed.

Prerequisite(s): P/G enrolment; EFN406 & EFN412, an U/G degree in Finance, or the equivalent **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: EFN400

EFN508 Econometric Methods

This unit provides a comprehensive grounding in the econometric methods necessary for conducting research using such methods. Recent contributions to the econometric literature are studied.

Credit points: 12 **Incompatible with:** BSN506

EFN510 Econometric Methods 2

This unit build on BSN506 Econometric methods and provides a second course in applied econometrics using EViews. While BSN506 is essentially a single equation based course this unit focuses on non-linear estimation and systems of equations.

Prerequisite(s): BSN506 **Credit points:** 12 **Contact hours:** TBA **Campus:** Gardens Point

ENB101 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 methods for plane truss analysis; shear force and bending moment in beams; the properties of sections. Dynamics (for electrical engineering students).

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB102 Engineering Mechanics 2

Free body diagram, Stresses in beams and bars, Moments, shear and deflections in beams and frames, Torsion in shafts, Stress transformation and buckling. Module 2: (Mech): Thin walled structures, combined loading of structures and machine members; yield criteria for safe elastic loading.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB103 Electrical Engineering

Fundamental quantities in circuits and network laws, response to sinusoidal sources, and circuit measurements, real and reactive power calculation, power factor improvement, electric and magnetic fields, three-phase system and applications, transformer theory.

Prerequisite(s): MAB180 or MAB131 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB104 Engineering Materials

Atomic Bonding; Crystal Structure; Elastic Deformation; Elasticity Case Study; Plastic Deformation; Defects; Alloying

and Strengthening in Metals; Diffusion; Fracture, Fatigue and Creep; Phase and Phase Diagrams; Iron-Carbon Phase Diagram; Transformation of Phases; Introductory to Corrosion; Ceramics, Polymers and Composite Materials, Electronic Materials.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point

ENB105 Electrical and Computer Engineering

Module 1: Introductory Computing fundamentals of problem solving using computers and programming and techniques for writing correct and efficient programs. MATLAB and its applications.

Module 2: Electrical machines and their characteristics, principles of transformers basic electronic circuits, filters, PLC and operational amplifier circuits and applications.

Prerequisite(s): ENB103 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB121 Aerodynamics

This unit includes the following: introductory concepts of fluid mechanics and thermodynamics; conservation of mass, energy and momentum, state properties of fluids, the standard atmosphere; dimensional analysis; experimental aerodynamics and aerodynamic coefficients; Reynolds number and Mach number effects; estimation aerodynamic forces and moments; fundamentals of aircraft performance; estimating range and endurance; take off and landing calculations; flight envelopes.

Credit points: 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB140 Introduction to Avionics

The unit introduces students to Avionics in a non-technical way. It focuses primarily on aviation navigation and provides a basic understanding of avionics. A complete flight system is studied at an introductory level. The unit also gives an overview of the electronics inside an aircraft, the aircraft environment, and flight simulation.

Contact hours: 4 per week **Campus:** Gardens Point

ENB201 Fluid Mechanics

Fluid properties, behaviour of stationary and moving fluids, hydrostatics and buoyancy; theory and application of the energy and momentum equations; pipe and open channel flow; dimensional analysis and pump performance characteristics.

Prerequisite(s): ENB101, MAB180 or MAB131 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB211 Dynamics

Fundamental equations of particle kinetics; energy, power, impulse and momentum; kinematics of rigid bodies in plane motion, relative motion and motion relative to rotating axes; kinetics of rigid bodies, Basic machine components, (Gears, clutches, brakes etc.), Single degree of freedom system.

Prerequisite(s): ENB101, MAB180/MAB131 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB215 Fundamentals of Mechanical Design

Basic procedures of design, design for sustainability, universal design, Concept development, creative problem

solving, Basic component design, computational scheme in design, manufacture & materials.

Prerequisite(s): ENB102, ENB104, MAB180 or MAB131

Credit points: 12 **Contact hours:** 5 **Campus:** Gardens Point

ENB222 Thermodynamics 1

Thermodynamic behaviour of substances; theory and application of the 1st and 2nd laws of thermodynamics; thermodynamic cycles, including gas cycles, vapour power cycles and refrigeration cycles; gas-vapour mixtures and the principles of air-conditioning; fuels and combustion.

Prerequisite(s): MAB182 or MAB132 **Credit points:** 12

Contact hours: 4 **Campus:** Gardens Point

ENB231 Materials and Manufacturing 1

Materials and their engineering applications, Manufacturing systems and technology, material properties and manufacturing, material selection, failure, graphical communication.

Prerequisite(s): ENB104 **Credit points:** 12 **Contact**

hours: 4 **Campus:** Gardens Point

ENB240 Introduction To Electronics

Module Electronics A provides a basic understanding of the characteristics and operation of discrete semiconductor components. Electronic circuit design is introduced with emphasis on the small signal low and high frequency response of those circuits. Module Digital Electronics gives students a good grounding in the basic principles of digital design, with particular regard to the fundamentals of digital number systems, Boolean algebra, combinational and sequential logic design.

Prerequisite(s): ENB103 **Credit points:** 12 **Contact**

hours: 5 **Campus:** Gardens Point

ENB241 Software Systems Design

The unit introduces students to Software Engineering by considering a whole Software Lifecycle. Each step of the lifecycle is treated in detail, such as concept phase, requirement definition, software design, human-computer interaction, implementation, audits, and maintenance. Software design principles and techniques are presented as well as real-time system design. CASE development tools are briefly introduced as well as object oriented programming for which a structured Object Oriented Analysis and Design are considered.

Prerequisite(s): ENB246 **Credit points:** 12 **Contact**

hours: 4 **Campus:** Gardens Point

ENB242 Introduction To Telecommunications

Telecommunications systems and the principles underlying their operations are introduced starting from mathematical preliminaries such as the Fourier series and the Fourier transform. Analogue modulation techniques (AM and FM), systems and circuits for generation and demodulation, analogue to digital conversion, pulse modulation and base-band digital data communication techniques are studied using time and frequency domain analyses.

Prerequisite(s): MAB182/MAB132 **Credit points:** 12

Contact hours: 3 **Campus:** Gardens Point

ENB243 Linear Circuits and Systems

Network analysis; Laplace transform of signals and transfer functions of systems, time and frequency responses of linear circuits, feedback configurations and transfer functions, analyse and designing analogue systems using transistors and operational amplifiers, designing and synthesising analogue filters, signal conditioning.

Prerequisite(s): ENB103, MAB132 or MAB182 **Credit**

points: 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB244 Microprocessors and Digital Systems

This unit covers the basis for electronic circuit design in general but also in connection with microprocessor systems, theory and design of advanced embedded digital systems and practical implementation. The practical application of these circuits including interfacing and environment factors will be considered.

Prerequisite(s): ENB240, ENB246 **Credit points:** 12

Contact hours: 4 **Campus:** Gardens Point

ENB245 Introduction To Design and Professional Practice

Introduction to general principles of electronic circuit and electrical equipment design and realisation; design and implementation of basic electronic circuits; experience in undertaking engineering projects, in report writing, and working in teams. The unit gives students the opportunity to apply their theoretical knowledge to real-life engineering problems.

Prerequisite(s): ENB240, ENB246 or ITB001 **Credit**

points: 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB246 Engineering Problem Solving

This unit introduces students to the use of computers as tools for solving engineering problems. MATLAB is introduced as a numerical computing environment with the capacity to support complex mathematics and to be programmed to solve specific engineering problems. Stand alone application development using C++ is introduced as a means of exposing students to the high and low level computer programming concepts that are necessary to the implementation of engineering solutions in hardware specific programming environments.

Prerequisite(s): ENB103 **Credit points:** 12 **Contact**

hours: 4 **Campus:** Gardens Point

ENB271 Design of Structural Timber and Earthworks

In this unit, students develop and define a problem statement and are encouraged to develop their own creative solutions through the semester. This introduces students to aspects of project work and prepares them for their professional lives. Architectural and project issues include aesthetics, fitness for purpose, and constructability. Geotechnical issues include: site investigation, earthworks and compaction, and site investigation. Structural issues include: design, loads, load paths, load factors, strength factors, time dependent loads, structural capacity and stability, rules of thumb, structural timber, material selection, and basic surveying principles.

Prerequisite(s): ENB102 **Credit points:** 12 **Contact**

hours: 4 **Campus:** Gardens Point

ENB272 Geotechnical Engineering 1

Soil mechanics is a part of geotechnical engineering, soil types, their description, classification and engineering properties. The unit includes the following: granular and cohesive soil classification systems; volume and mass components; density and air voids; determination of soil geostatic vertical pressures; pore water pressures and effective stress; permeability theory and fluid seepage in soil, with erosion and piping analysis; soil shear strength assessment and application to retaining wall lateral pressures; retaining wall design; slope stability analysis and stabilisation. Computer simulation and analysis programs are used where appropriate.

Prerequisite(s): ENB102 **Credit points:** 12 **Contact hours:** 6 **Campus:** Gardens Point

ENB273 Civil Materials

The unit provides students with a sound and practical approach to material properties and selection so that they may adapt to scientific and technological changes in the variety of products entering the market. They understand where the engineer fits in a quality assurance program and become aware of the numerous components of quality assurance and the costs generated by quality control and assurance. Students become aware of the effect of the working environment on different engineering materials. Among other things, they study the behaviour of concrete from the time it is manufactured to the end of its life, and develop knowledge of the parameters involved in manufacturing good concrete, and the consequences of delivering poor concrete.

Prerequisite(s): ENB102, ENB104 **Credit points:** 12
Contact hours: 5 **Campus:** Gardens Point

ENB274 Design of Environmentally Sustainable Systems

This unit extends and applies the knowledge developed in BEB200 Introducing Sustainability to important issues such as site investigation, development of site planning criteria, site planning, environmental management and quality, pollution prevention and control, and resources and waste management. BEB200 and ENB274 form the foundations of the civil and environmental degree. This unit builds upon generic competencies acquired in BEB100 Introducing Professional Learning and ENB271 Design of Structural Timber and Earthworks. It also provides transport planning fundamentals, which will be built upon in ENB372 Design and Planning of Highways and ENB379 Transport Engineering and Planning Applications.

Prerequisite(s): BEB200, ENB271 **Credit points:** 12
Contact hours: 4 **Campus:** Gardens Point

ENB275 Project Engineering 1

The unit commences with the development of the construction techniques common to site investigation, earthworks, pile driving, deep foundations, reinforced and prestressed concrete and steel erection. This operational understanding is extended into a study of the practices used to estimate cost and to administer contracts, including planning and the legal implications of operating in a commercial environment. The unit concludes with the issues surrounding the uncertainty of weather and of operating in remote environs.

Prerequisite(s): ENB271, ENB273 **Credit points:** 12
Contact hours: 4 **Campus:** Gardens Point

ENB276 Structural Engineering 1

This unit includes the following: development of the method of moment distribution and its application in analysis of continuous beams and frames; theory of influence lines and its application to determine the effects of moving loads on beams and trusses; 'pattern loading' on frames and continuous beams; behaviour of reinforced concrete members; applications in the design of beams and columns.

Prerequisite(s): ENB102, ENB273 **Credit points:** 12
Contact hours: 4 **Campus:** Gardens Point

ENB277 Construction Engineering Law

A study of the Workplace Health and Safety Act 1989/1990, the regulations applying and Codes of Practice. The application of this legislation to a Site Safety Management Plan. Basic understanding of negligence, duty of care, nuisance, fraud and conversion. Contract Law including elements of contract, content of a valid contract, collateral, contract misrepresentation, implied terms; formal requirements and part performance; contract documents and their interpretations; substantial performance and quantum meruit.

Credit points: 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB301 Instrumentation and Control

The unit introduces the student to classical control systems, analysis and synthesis, and implementation in an industrial control context. It introduces the principles of electrical measurements and instrumentation, sensors, PLC, DSC and industrial networks, and foundation of feedback control theory for engineers.

Prerequisite(s): ENB105 or ENB243, MAB182 or MAB132
Credit points: 12 **Contact hours:** 5 per week
Campus: Gardens Point

ENB311 Stress Analysis

Further analysis of stress and strain; torsion of prismatic sections and thin-walled sections; axisymmetric problems; energy methods; thin plates. Introduction to FEA including the use of a FEA software.

Prerequisite(s): ENB102, ENB211 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

ENB312 Dynamics of Machinery

Kinematic and dynamic analysis of planar linkages and mechanisms; multi-degree of freedom systems with steady and transient vibrations, Introduction to noise.

Prerequisite(s): ENB211 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB315 Motor Racing Vehicle Design

After studying Fundamentals of Mechanical Design and Design of Machine Elements, in this unit you will study design of different systems of motor racing vehicles. This will accomplish systematic study of Mechanical Design and will enable you to carry out design of race vehicles and prepare them for a competition. Attention will be paid to styling and ergonomics as well as construction methods used in building race vehicles.

The topics covered include: Introduction. Concept development of a race vehicle. Tyre selection. Suspension geometry, components and alignment. Brakes. Race car handling. Engine and engine tuning. Drive train (gearing and differentials). Frame and body. External and internal aerodynamics of a race vehicle. Driver compartment (fitting and comfort). Testing and preparation for a competition. Safety in motor racing (accident avoidance and driver protection).

Prerequisite(s): ENB316 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB316 Design of Machine Elements

Analysis of operating conditions and their impact on design solutions, design of fasteners, shafts and other mechanical components, design of springs, Design for manufacturability, fundamentals of lubrication, computer aided design (solid modelling), frames and housings.

Prerequisite(s): ENB215 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Gardens Point

ENB317 Design and Maintenance of Machinery

Design of equipment for special applications such as pressure vessel, food processing, Design of machine system, Optimisation of design, machinery failure, prediction, analysis and prevention. Design for reliability application of FMEA, Condition monitoring, ethics, Fundamentals of friction, wear related to design, Failure analysis & OH&S.

Prerequisite(s): ENB316 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB318 Biomechanical Engineering Systems

Topics covered in this unit include an appreciation of the mechanics of the tissues of the joints (micro mechanics or tissue mechanics) and the function of the body during normal activities (macro-mechanics or biomechanics). This unit is designed to develop an understanding of the complex properties of the individual tissues and practical competencies in the evaluation of human function and performance from a biomechanical perspective. Biomedical engineers require the ability to analyse the mechanics of the human body for applications such as prosthetic design (both artificial limbs and replacement joints), design of assistive devices for people with disabilities, sporting performance, ergonomic tasks, and other health related areas.

Prerequisite(s): LSB131, LSB451, ENB101 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB319 Biomechanical Engineering Design

This unit is structured to further develop the engineering design skills of students, with particular emphasis on the role of computer-aided design (CAD), materials selection, manufacturing processes, assembly and maintenance in the design and management of bio-engineering devices. A knowledge of manufacturing processes, fundamentals of engineering design, engineering drawing and engineering materials is assumed. Contents include design for manufacture, materials selection, computer-aided design and solid modelling, rapid prototyping techniques, user interface, and case studies of selected medical devices.

Prerequisite(s): ENB215 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Gardens Point

ENB321 Fluids Dynamics

Hydraulic and pneumatic systems; design, analysis and performance of pumps, turbines and fluid couplings; unsteady pipe flow; flow around solid bodies, including potential flow and boundary layers; compressible flow and shock waves.

Prerequisite(s): ENB201 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB322 Biofluids

The mechanics of fluids in biological and biomedical systems differs from industrial applications as most of the fluids encountered exhibit viscosity that changes in a non-linear manner with shear rate. It is therefore necessary, when designing a second course in the mechanics of fluids for medical engineers, to examine the particular properties of the fluids that might be encountered and to introduce techniques to analyse their behaviour. It is also important to consider how the properties of the fluids relate to their biological function and the relevance of their properties to the design of associated equipment.

Prerequisite(s): ENB201 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB331 Materials and Manufacturing 2

Prerequisite(s): ENB231 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB333 Operations Management

This unit develops students' ability in applying quantitative techniques in solving different types of industrial operations problems. Topics include: product mix, assignment and transportation models; location and layout decisions, job design analysis; project planning; quality control and the use of simulation in operations management.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB334 Design For Manufacturing

Topics covered in this unit include: basic concepts in the analysis of a mechanical engineering design, relating the design requirements to a range of manufacturing processes; an understanding of the complete manufacturing specifications for mechanical designs based on functional requirements, manufacturing processes, interchangeability and standardisation; introduction to the basic principles in the design of jigs and fixtures in manufacturing.

Prerequisite(s): ENB231 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

ENB335 Modelling and Simulation For Medical Engineers

Renewable energy sources including solar and wind energies are becoming more important than ever due to increasing energy demand, dwindling oil and gas supplies, increasing pollution levels in the atmosphere and the associated global warming effects. Renewables may also help improve competitiveness and have a positive impact on regional development and employment.

An overview of the different energy sources will be covered followed by an understanding of the characteristics of solar energy, radiation calculation, measurements and applications in remote, hybrid and grid interactive configurations. Students will be equipped with fundamentals of alternative energy sources including solar thermal, photovoltaics and wind conversion technologies.

Corequisite(s): ENB318 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB336 Industrial Engineering

Aim of this unit is to develop skills and understanding the concepts and techniques of lean manufacturing (methods engineering). These includes identifying wastes using Value Stream Mapping (VSM), 5S, SMED, JIT, plant layout, cell design with proper material handling and balance and job design with due consideration to ergonomics.

Prerequisite(s): MAB233 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB337 Rehabilitation Engineering

Bioengineers working in the rehabilitation area require an understanding of the criteria associated with the needs and design of specific items of equipment for rehabilitation and the functionally impaired. The means of evaluating equipment performance in a clinical context is also needed because of the insight and feedback that it provides in the design cycle and the clinical implications of the design. This unit introduces the students to many different areas of rehabilitation and the design of equipment to assist people with disabilities. There will be formal lectures and tutorials, some of which will be presented by practitioners from the different areas of rehabilitation. In addition the students will spend time on a clinical experience program working with a rehabilitation engineering team.

Contact hours: 4 per week **Campus:** Gardens Point

ENB338 Biomaterials

Topics covered in this unit include: an understanding of the relationships between the properties, failure mechanisms, processing and microstructures of various materials used for medical applications and their interaction with human tissues; an understanding of the fundamentals of the use of materials in a medical environment and an understanding of the fundamentals of materials properties and processing; consideration of metallic, ceramic, polymeric implant materials; composites as biomaterials; structure-property relationships of biomaterials; tissue response to implants; soft tissue replacements; hard tissue replacements.

Prerequisite(s): ENB102, ENB104, LSB131 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB340 Power Systems and Machines

This is a core unit that develops the basic topics essential for an electrical engineer working in areas that include the resources sector, the process industries, electrical power utilisation, electric power generators as well the electricity supply industry. Topics covered in machines include magnetic circuits, single phase and three phase transformers; electric machines including electromechanical energy conversion, reluctance motors, induction motors, synchronous machines, D.C. machines, stepper motors,

P.C. motors; motor control; heating, cooling and rating. Power system topics include power generation and energy sources, electricity market operation, fault calculations, basic protection and power system operation, in particular real and reactive power control.

Prerequisite(s): MAB180 or MAB131, ENB103 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB342 Signals, Systems and Transforms

The unit covers the area of Signals in Linear Systems for which a detailed study of Fourier theory applied to both analogue and discrete-time signals and to the analysis of linear systems will be given. Systems will be represented in time as well as in frequency and various characteristics and relationships in the two domains will be discussed. The students will be introduced to the fundamentals of analogue and discrete-time signal processing; analogue and discrete Fourier transform; linear and discrete convolution. Finally, the students will learn the fundamentals of digital filter design and implementation, with examples and applications arising from various disciplines.

Prerequisite(s): ENB242, ENB243, ENB246 or ITB001 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB343 Fields, Transmission and Propagation

Fundamental concepts of static and time varying electromagnetic fields; Maxwell's equations and the characteristics of their solution, such as wave equations, losses in various media and energy flow; numerical methods; transmission line theory, terminated line, Smith Circle Chart usage and lattice diagram; propagation modes in waveguides and optical fibre; free-space propagation, reflection, refraction, diffraction; basic antenna theories and antenna parameters, Frii's transmission equation, half-wave dipole, two-element array.

Prerequisite(s): MAB132 or MAB182, ENB240 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB344 Industrial Electronics

The unit gives a basic understanding of linear and switching applications in industrial electronics. Practical knowledge associated with interfacing and design is developed. Students will also study the theory and design of advanced digital embedded systems as well as the practicalities associated with implementation. It also covers power rectification, controlled rectification, inverters, AC and DC drives, uninterruptible power supplies and power switching components.

Prerequisite(s): ENB244 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB345 Advanced Design and Professional Practice

Detailed design and realisation of typical electronic subsystems used in all areas of electrical and electronic systems engineering. The unit enhances the student's ability in solving complex engineering problems. The design builds on the theoretical knowledge gained in other units. The student is required to write a detailed technical report and also give an oral presentation on her/his design.

Prerequisite(s): ENB245 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Gardens Point

ENB346 Digital Communications

Revolutionary developments in the field of Digital Communication Technology have enabled improvement in the characteristics of communication systems in order to meet the performance requirements for transmission of information for private, business and industrial applications. This unit which covers Elements of a Digital Communication System aims at providing the students with an in-depth understanding of the theory and applications of digital communication systems and technology.

Prerequisite(s): ENB342, MAB233 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

ENB347 Modern Flight Control Systems

The modules of this unit are Control Systems B and Flight Control Systems. The unit provides students with an understanding of control system design and analysis for discrete time control systems as well as using the state space approach. Furthermore, it introduces students to different aspects of flight control including factors affecting the performance and simulation. Specific topics such as artificial stability and MILSTDs are also covered.

Prerequisite(s): ENB348 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB348 Aircraft Systems and Flight Control

The modern aircraft is an extremely complex machine comprised of many systems. These systems include propulsion, engine management, flight management, flight control, navigation, and life support and flight data recorders. The safe and reliable operation of all these systems is required to conduct a single flight. The modern avionics engineer requires an understanding of all these systems and how they operate on modern civil and military aircraft. This unit places emphasis on the flight control systems of modern aircraft which is one of the primary sub-systems. As part of this, methods for modelling the dynamic behaviour of aircraft, missiles and spacecraft are introduced, along with the criteria for stability.

Prerequisite(s): ENB103, ENB121, ENB140 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB350 Real-time Computer-based Systems

This unit covers the area of embedded systems and real-time kernels. C programming is reviewed in the context of real-time applications where it is often mixed with assembly language. Data representations, input-output programming, concurrency, scheduling, memory management and system initialisation are discussed. Programming laboratory exercises introduce development tools and reinforce fundamental concepts such as polling, interrupt driven input-output, serial port communication, pre-emptive and non pre-emptive scheduling, resource sharing, priority inversion and deadlock. Students develop a simple real-time process control application using programmable logic and micro-controllers.

Prerequisite(s): ENB244 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB352 Communication Environments For Embedded Systems

This unit addresses the following: computer networks; network programming; open network foundations; embedded systems; client/server; bus architectures; network controllers; distributed systems in automation and process control; embedded Java; distributed objects; distributed databases; distributed operating systems.

Prerequisite(s): ENB350 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB354 Introduction To Systems Design

Introduction systems engineering methodologies and techniques as applied to Aerospace Engineering projects. The students receive formal lectures and apply the knowledge gained to a specific case study or mini project.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB355 Advanced Systems Design

Students apply the systems engineering documentation and specifications developed in ENB345 Introduction to Systems Design and complete the project to the final systems engineering review stage.

Prerequisite(s): ENB354 **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Gardens Point

ENB356 Military Combat Electronics

This unit deals with knowledge of sophisticated weapon systems and protection against threat for aircrafts in the military context. The unit addresses the following topics: sound generation propagation and analysis in the military 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; ECM/ECCM; sonar processing; laser processing and guidance; radar guidance/sighting; gun sights; weapons control systems; IFF/transponders; command and control; magnetic anomaly detection; tactical navigation systems; infra red. Some ethical, social and moral aspects concerning military systems will be discussed.

Prerequisite(s): ENB244, ENB343 **Corequisite(s):** ENB346 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB371 Geotechnical Engineering 2

This unit includes: further study on the behaviour of soil and rocks; determination of subsurface pressures from surface loadings; soil settlement including time related clay consolidation settlement and immediate settlements on sand and clay as related to shallow foundations; assessment of bearing capacity and allowable bearing pressures under shallow foundations; pile foundation systems and analysis for capacity and settlement; rock mass behaviour, classification and joint shear strength applied to slope stability assessment and stabilisation measures.

Prerequisite(s): ENB272 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

ENB372 Design and Planning of Highways

Civil engineers as professionals are responsible for the delivery of major transport infrastructure items through the stages of inception, planning, design, development, maintenance and management. The purpose of such projects is to improve the quality of life of the community by offering safe and efficient access to activity locations and mobility between locations. In delivering such infrastructure it is imperative that social, economic, and environmental impacts and benefits are considered and addressed. This unit offers students an opportunity to explore the role of the civil engineer in the preparation of a feasibility design study for a road as a major transport infrastructure item.

Prerequisite(s): ENB271, ENB274 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

ENB373 Design and Construction of Steel Structures

This unit includes the study of steelwork: design and construction; structural systems; load paths; rules of thumb; building layout; function and form; cladding; element and wind loading evaluation; idealisation, analysis, design action effects; space gas, columns and rafters; trusses and bracing; connections; knee ridges; base plate design; procurement and fabrication; scheduling and erection.

Prerequisite(s): ENB273, ENB276, ENB375 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB375 Structural Engineering 2

This unit considers the following: limit states design of steel structures; buckling and ultimate strength behaviour of steel structures; tension members, compression members; local and global buckling (flexural and flexural torsional buckling modes) concepts as applied to compression members and beams; effective lengths of compression members and beams; design of beams; effect of lateral restraints on buckling; web stresses including web crippling and buckling; beam-columns; bolted and welded connections; unsymmetric bending of beams including principal second moments of area; shear stresses in beams of thin-walled open cross-sections and their shear centres. Most cold-formed steel sections are unsymmetric and hence the latter topics are useful in steel design.

Prerequisite(s): ENB276 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB376 Transport Engineering

The transport system is an essential part of our physical infrastructure. It is imperative that civil engineers are able to undertake typical road and traffic engineering investigations, analyses and designs. These require an understanding of the intent of individual road system elements, how they operate, and how they are delivered and managed: this understanding is developed in this unit. Further, it is important that civil engineers are able to undertake multi-modal transport surveys to gain an understanding of the operation of a particular transport system.

Prerequisite(s): ENB274, ENB372 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

ENB377 Water and Waste Water Treatment Engineering

The provision of a safe, wholesome and adequate supply of water and the proper treatment, disposal, and reuse of wastewater are essential for protecting human health and

well-being. Water and wastewater treatment are required for the control of water-borne diseases and the provision of proper sanitation for urban, rural, and recreational areas. Water and wastewater treatment engineering is a major field of civil and environmental engineering and is manifested by sound principles and practice in terms of solving sanitation problems.

Prerequisite(s): ENB201, ENB274 **Credit points:** 12

Contact hours: 3 per week **Campus:** Gardens Point

ENB378 Water Engineering

The main topics to be covered in this unit follow: the hydrologic cycle and its application to the estimation of runoff from small catchments; probability and risk and the selection of design floods; hydrologic data; estimation of peak runoff using the Rational Formula estimation of runoff hydrographs using rainfall-runoff routing models; the hydraulic characteristics of open channels; uniform flow, gradually varied flow and rapidly varied flow; the hydraulic characteristics of culverts and retention basins; the operation of urban drainage systems.

Prerequisite(s): ENB201 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB379 Transport Engineering and Planning Applications

The environmental engineer must be familiar with the role of each transport mode in the overall transport task, along with current issues associated with each mode. This must be overarched by an understanding of the system for planning and management of transport projects and systems, particularly in context with economic, environmental and social attributes. This unit provides students who wish to pursue a career in environmental engineering with an understanding of these areas. The unit also includes case studies covering the environmental impacts for some of the urban and rural transport and infrastructure projects especially in the area of community consultation.

Prerequisite(s): ENB274, ENB372 **Credit points:** 12

Contact hours: 4 **Campus:** Gardens Point

ENB380 Environmental Law and Assessment

The adverse consequences of human activity have resulted in the adoption of various international treaties, enactment of stringent legislative requirements, and a growing demand for improved management practices. Engineers need to be aware of the way in which the law works, to be able to communicate with lawyers, and to recognise the legal and political implications of their projects. An understanding of the local, state, and federal governments' power to regulate development and the legal and planning requirements and assessment procedures is essential for professional engineering practice.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB381 Civil Engineering Construction

Detailed studies of the methods and equipment employed in the execution of civil engineering construction. Includes earthworks, heavy foundations, steel fabrication and erection, bridge construction, marine construction, water retaining structures, road and airfield construction and mechanical erection.

Prerequisite(s): UDB110, UDB214 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

ENB382 Estimating in Engineering Construction

The majority of the unit applies construction, planning and commercial understanding previously developed to fundamental estimating skills suited to firm bidding. The conversion of an estimate to a tender, includes the review process, the determination of risk and profit and the drafting of a tender letter conclude the critical content. A comparison with sub-contract pricing and the use of Bills of Quantity is studied and is linked to conceptual estimating, preliminary estimates for budgets and proposals.

Prerequisite(s): ENB381, UDB313 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

ENB383 Environmental Resource Management

This unit addresses management of solids and hazardous wastes generated from domestic, commercial, and industrial sources. It includes the following: waste minimisation; promotion of efficient use of resources; promotion the use of waste through recycling and energy production; viewing waste as a resource; reducing the mass, volume and toxicity of the waste; disposing of waste in a socially and environmentally acceptable manner; waste avoidance; recycling; energy production; treatment; disposal. Waste management is an important aspect of civil and environmental engineering education.

Prerequisite(s): ENB274 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB384 Design of Masonry Structures

Historic development & Modern Masonry; Constituent Materials â testing standards; Design for durability; Limit state design principles â capacity & serviceability; General design aspects of walling, Fire design provisions; Out-of-plane behaviour of unreinforced masonry walling; Design of facades, ties & accessories; Unreinforced masonry â in-plane behaviour, shear walls & construction detailing; Reinforced masonry â design for flexure, in-plane and out-of-plane shear; Design for compression & slender walls; Novel designs â prestressed masonry, dry-stack masonry, thin bed masonry, geometrical sections, cavity walls and diaphragm walls; Case study - industrial building / medium rise apartment building.

Prerequisite(s): ENB102 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB421 Thermodynamics 2

Applications of heat transfer theory in steam power plant, refrigeration and gas turbines; steady state and transient conduction; convection with internal or external flow; free convection in stationary fluids; boiling and condensation; thermal resistance networks; heat exchangers; radiation heat transfer.

Prerequisite(s): ENB222, ENB321 **Credit points:** 12
Contact hours: 4 **Campus:** Gardens Point

ENB422 Energy Management

Topics covered in this unit include: Global energy and climate issues, the systematic process by which energy use is monitored and analysed; individual treatment of electricity, fuels and their properties, compressed air,

buildings, cycle requirements, energy recovery equipment; financial analysis of proposals. Environmental aspects will be considered for each topic.

Prerequisite(s): ENB201, ENB222 **Credit points:** 12
Contact hours: 3 **Campus:** Gardens Point

ENB432 Engineering Asset Management and Maintenance

This unit includes the following: engineering asset management policy statement; overhaul and replacement of engineering assets; organisation for maintenance; maintenance planning and control; failure mode and effect analysis; reliability, maintainability and availability analysis; risk assessment; spare parts inventory management.

Credit points: 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB435 Computer Integrated Manufacturing

Topics covered in this unit include: introduction of the concepts of strategic planning for computer integrated manufacturing; concepts of advanced manufacturing technologies and the various components of computer integrated manufacturing system; the importance of concurrent engineering in the context of CIM; introduction to the principles of modelling and simulation techniques as a design and evaluation tool for manufacturing systems.

Prerequisite(s): ENB231, MAB233 **Credit points:** 12
Contact hours: 4 **Campus:** Gardens Point

ENB436 Mechatronics System Design

This unit provides students with an understanding of design and interpretation of hydraulic and pneumatic circuits (including graphical symbols, fluid logic and components of fluid systems) and a basic understanding of PLC programming for control of manufacturing systems with the emphasis on hands on practice of developing a control system for a given process. Topics include the following: mechatronics systems design; power supply; introduction to fluid power and graphical symbols; hydraulic and pneumatic systems; simple circuits; fluid logic; logic symbols and circuits; hydraulic components, fluids, system design, circuits; pressure compensated flow control.

Prerequisite(s): ENB201, ENB334 **Credit points:** 12
Contact hours: 4 **Campus:** Gardens Point

ENB437 Health Legislation in the Medical Environment

This unit provides an introduction to the types of legislative control in the health and medical industries. It highlights the minimum requirements in relation to the role of medical engineers and their contribution to successful and ethical relationships with medical, health legislative and regulatory affairs professionals. Content includes: national and international legislative controlling bodies and codes (EC, TGA, FDA); structure and sources of legal system (State and Federal); Good Manufacturing Practice (GMP); ISO9000 Quality Systems; Total Quality Management; ethics committees and clearance; industry case studies.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB440 RF and Applied Electromagnetics

This unit addresses the following: lumped and distributed microwave and RF circuits, including [y], [t] and [s]

parameters; impedance matching techniques; passive and active microwave devices; RF circuit design techniques; microwave and RF measurement techniques; linear antennas and microwave antennas; analysis and synthesis of antenna arrays; specialised antennas and antenna measurements; EMC definition, standards and regulations; test plan; measurements; interference coupling; susceptibility; EMC design techniques, component selection, circuit layouts, grounding, shielding, filters, suppressors, isolation and safety; EMC management; propagation of electromagnetic fields in electrical materials; application of numerical methods.

Prerequisite(s): ENB343 **Credit points:** 12 **Contact hours:** 5 **Campus:** Gardens Point

ENB441 Applied Image Processing

The aim of this unit is to introduce the fundamentals and applications of image processing to the students. The unit covers topics such as image acquisition, image representation, image enhancement, image segmentation, and image filtering. These topics will be introduced using a project based approach with applications to engineering practical problems.

Prerequisite(s): ENB342 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB443 Space Technology

This unit offers a general introduction to space technology. It includes the following: coordination of systems and time references used within space flight dynamics; discussion of rocket ascent trajectories and satellite orbit dynamics; detailed description and discussion of satellite as a system and subsystems; description and discussion of rocket as a system; introduction to satellite launch systems and satellite applications.

Prerequisite(s): ENB348 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB444 Spacecraft Guidance and Navigation

This unit includes the following: general introduction to spacecraft guidance and navigation systems and concepts; coordination of systems and time references applied within spacecraft guidance and navigation; discussion of spacecraft orbit and attitude dynamics; detailed description and discussion of GNSS system aspects; GPS observables and data processing; description and discussion of spacecraft guidance and navigation sensors and systems; methods for spacecraft orbit and attitude determination; discussion of spacecraft actuators.

Prerequisite(s): ENB443 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB445 RF Communication Technologies

The unit covers various communication and signal processing technologies that are used in point to point and point to multi-point; wired and wireless communications including microwave terrestrial and satellite communication; last miles solutions including ADSL, VDSL and wireless local loops; ad hoc radio transmission such as the Bluetooth and Home RF, Wireless LANs including wireless infrared transmission and IEEE8012.11 standard.

Prerequisite(s): ENB242, ENB244, ENB343 **Credit points:** 12 **Contact hours:** 5 **Campus:** Gardens Point

ENB446 Wireless Communications

This unit addresses the following: cellular mobile radio system concepts; mobile radio propagation; spread spectrum techniques and CDMA; speech coding modulation and channel coding techniques for GSM and CDMA; fading mitigation through diversity; inter-symbol interference mitigation; the GSM and CDMA standards; the WAP and the GPRS; introductions to UMTS/IMT2000; introduction to personal communications; introduction to blue tooth technology; other wireless systems including wireless LAN, wireless local loop, microwave local multipoint distribution systems (LMDS) and LEO satellite communication.

Prerequisite(s): ENB346 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB447 Navigation Systems For Aircraft

Modern aviation continues to flourish, with millions of passenger miles flown each year throughout the world and in all kinds of weather condition. Safe and reliable navigation is one of the primary functions that enable these flights. In past years pilots navigated visually but this relied on fair weather conditions. Today pilots use navigation aids to allow navigation in all types of weather conditions day or night. This unit presents the principles and practices of modern navigation sensors and systems. To be a competent Avionics Engineer, a detailed knowledge of the principles of navigation is mandatory. Navigation is a fundamental building block for all aspects of aerospace projects.

Prerequisite(s): ENB343, ENB346 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB448 Signal Processing and Filtering

This unit gives a comprehensive introduction to the representation and processing of signals distorted or corrupted by noise, and the systems needed to process them. Techniques for estimating signal parameters for the detection of signals in the presence of noise will be discussed. The methods presented will be tested on real data drawn from different engineering applications, such as wireless communications, biomedical EEG signals and brain models, speech and music synthesis, and radars.

Prerequisite(s): ENB342, MAB233 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB451 Aerospace Radio and Radar Systems

This unit includes a thorough treatment of the elements of radio and radar systems, ground, air and space based. This is a highly technical unit and an emphasis will be put on the solution of technical problems and the knowledge required to solve these problems. Electromagnetic Compatibility and Electromagnetic Interference principles are covered in detail. Analysis of antennas, modulation techniques, amplifiers and filtering techniques for radio, as well as, types of radar and applications, Mechanisms for Ranging, Doppler Radar and Receiver Processing are some of topics addressed.

Prerequisite(s): ENB343, ENB346 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point

ENB452 Advanced Power Systems Analysis

The aim of this unit is to introduce you to the basic topics of power system analysis relevant to engineers involved in both operations and planning. Specific tasks will be evaluation of faults on lines, load flow and stability analyses using commercial packages.

Prerequisite(s): ENB301, ENB340 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point

ENB453 Power Equipment and Utilisation

The unit emphasises the use of relevant standards to the specification and design of electrical equipment for the use of electrical energy supply for buildings and lighting. Design approaches emphasise current engineering practise.

Prerequisite(s): ENB340 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB454 Power System Management

The aim of this subject is to develop skills in the operational management and the overall system management of Power systems. There are many decisions to be made in the context of imperfect information. This subject provides tools to provide a degree of structure to the decision process, whether at purchase time or in daily operation. These tools cover the areas of risk analysis, reliability and asset management and extend to the operational areas of utilization of equipment and quality of supply. The outcome is to achieve a balance between maintenance and capital purchases between investment and reliability.

Prerequisite(s): ENB340 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point

ENB455 Power Electronics

The unit introduces the student to advanced industrial electronics and power converters with different applications. Students learn how to model power converters, design a controller and simulate power electronic systems using Matlab/Simulink software for different applications. They also learn practical issues such as EMI, efficiency and losses to design a controller and power circuits.

Prerequisite(s): ENB344 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB456 Energy

Renewable energy sources including solar and wind energies are becoming more important than ever due to increasing energy demand, dwindling oil and gas supplies, increasing pollution levels in the atmosphere and the associated global warming effects. Renewables may also help improve competitiveness and have a positive impact on regional development and employment.

An overview of the different energy sources will be covered followed by an understanding of the characteristics of solar energy, radiation calculation, measurements and applications in remote, hybrid and grid interactive configurations. Students will be equipped with fundamentals of alternative energy sources including solar thermal, photovoltaics and wind conversion technologies.

Prerequisite(s): ENB103, MAB180 or MAB131 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point

ENB457 Controls, Systems and Applications

Control systems are playing an increasingly important role in process control, energy management and utility management. This unit is concerned with the application of advanced control systems with an emphasis on physical architectures and implementations. Topics covered include control system actuators, sensors and controllers, control system architectures, human machine interfacing, adaptive control strategies and intelligent control.

Prerequisite(s): ENB301, ENB340 **Credit points:** 12
Contact hours: 4 **Campus:** Gardens Point

ENB458 Modern Control Systems

This unit introduces the student to the following concepts:

Discrete time control systems and their design, state space modelling and control system design using state space techniques, linear optimal control, non-linear systems, and adaptive control with applications of neuro-computing and fuzzy logic.

Prerequisite(s): ENB301 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

ENB471 Design of Concrete Structures and Foundations

Concrete design and construction; roles of building professionals; current structures; structural systems; load paths; rules of thumb; building layout, function and form, design effects; seismic and element loads; formwork and placement constraints; reinforced and prestressed concrete slabs, beams and columns; architectural issues, connections and detailing; site investigation, spread and pile footings and foundations; retaining walls.

Prerequisite(s): ENB276, ENB371 **Credit points:** 12
Contact hours: 4 **Campus:** Gardens Point

ENB472 Project Engineering 2

The unit builds on the understanding of the physical aspect of construction gained in Project Engineering 1 to develop the skills needed to manage a project. Further studies in estimating, contracts administration and cost control provide support for a major computer simulation exercise based on the construction management of a complex industrial project. This experiential component provides a framework for the exploration of issues in the legal, managerial and technical areas which form the basis for the professional presentations that conclude the unit.

Prerequisite(s): ENB275, ENB372 **Credit points:** 12
Contact hours: 4 **Campus:** Gardens Point

ENB473 Design and Construction of Multi-storey Buildings

This unit builds on the structural, material, construction and design units of previous semesters, in particular Design of Steel and Concrete Structures, and applies that knowledge and skills to a multi-storey building on a real site to perform a real function. The unit covers a range of topics as applicable to multi-storey buildings, namely, structural systems, analysis techniques, design and construction methods, composite floor systems, steel framed buildings, construction, fire safety and durability. Using a realistic building project it enables QUT students to prepare themselves to pursue a career in structures and/or construction. There will be a special emphasis on the interdependency between construction and design. The aim

of this unit is to help you to learn and develop professional engineering skills with special emphasis on analysis, design and construction of multi-storey buildings.

Prerequisite(s): ENB375, ENB471 **Credit points:** 12
Contact hours: 4 **Campus:** Gardens Point

ENB474 Finite Element Methods

The Finite Element Method (FEM) is 20th century's answer for treating complex problems, which had hitherto remained impossible to solve, in several areas of engineering such as structural, geotechnical, electrical, heat conduction, etc. The applications of this powerful computer based method has rapidly extended to cover several areas of engineering. In the structures area, the displacements and stresses in complex concrete connections, dams, deep beams with openings, shell structures, etc., can only be obtained by finite element analysis. Basic theory of FEM and its features such as engineering actions, modelling techniques, choice of elements, boundary conditions and input data will be covered in this unit. It aims in equipping engineers with skills to apply FEM effectively in structural, geotechnical and water engineering problems.

Prerequisite(s): ENB102 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB475 Structural Engineering 3

This is an advanced structural engineering unit which builds up on previous knowledge in this area and covers applications. Load paths in structures and cable structures with applications in bridge engineering will be covered. The stiffness method, which is the basis of all structural analysis software packages will be covered in detail. The formation of plastic hinges (failure points) and failure mechanisms in structures will be treated with simple applications. Structural dynamics and vibrations in structures will be introduced and illustrated with applications. Application of structural dynamics will be extended to seismic engineering. The basics of seismic engineering and the use of the Australian code for analysing structures subjected to seismic loads will be covered.

Prerequisite(s): ENB276, ENB375 **Credit points:** 12
Contact hours: 4 **Campus:** Gardens Point

ENB476 Civil Engineering Design Project

Through preparation of various civil engineering design elements of a major project, this final design strand unit builds upon the earlier units to polish students' professional capabilities as expected of a graduate civil engineer. Students will be expected to apply to their project the knowledge and experience gained in the civil engineering sub-disciplinary core units including: Geotechnical Engineering 2, Water Engineering, and Transport Engineering. The aims of this unit are to provide you with an understanding of the role of the civil engineer within a major project, including the various technical activities undertaken, overall project management, and an understanding of community expectations.

Prerequisite(s): ENB371, ENB372, ENB376, ENB378
Credit points: 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB478 Advanced Water Engineering

This unit primarily intended to provide detailed conceptual knowledge on river and coastal processes. The main topics to be covered under River Engineering are: catchment and flood plane management, river flow modelling, sediment transport and application of water sensitive urban design to urban systems. The main topics to be covered under Coastal Engineering are: wave theory, coastal inlets and canal systems, planning and design of coastal structures and coastal management and planning.

Prerequisite(s): ENB378 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

ENB481 Civil Engineering Project Management

Engineers are invariably required to manage projects. This unit reinforces the student's understanding of current management principles in the context of construction projects. Other topics include administration, cost control, claims, legal and insurance issues together with outsourcing, problem solving, communication and dispute resolution. The focus of the unit is to ensure students develop an appreciation of the commercial and non-technical issues associated with successful projects. The aim of this unit is to help the student understand the nature of the decisions required of an Engineer managing a project and practising making these decisions within the fast-moving commercial and economic environment for such projects.

Prerequisite(s): ENB275, ENB372 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

ENB485 Advanced Geotechnical Engineering Practice

The aim of this unit is to firstly, develop the generic technical skills required to identify and solve geotechnical engineering problems of the type commonly encountered by specialist geotechnical consultants, and secondly, to have a good understanding of some specialist techniques for site investigation, performance prediction and construction. The unit will be presented as study modules, each one emphasising a different area of geotechnical engineering. The study areas and the case studies used for practice may change from year to year depending on the availability of experienced practitioners and on current geotechnical projects and interests.

Prerequisite(s): ENB371 **Credit points:** 12 **Contact hours:** 4.5 **Campus:** Gardens Point

ENN510 Engineering Knowledge Management

Knowledge management is an innovative process that needs to be closely aligned to organisation goals. The development of knowledge management systems requires a sound understanding of the related issues such as knowledge identification, knowledge development, knowledge preservation, knowledge representation and knowledge distribution. All engineering managers must have the fundamental skills and knowledge to understand, design and develop and manage knowledge management systems in an organisation. This unit provides the basic knowledge and skills to understand the complex issues of knowledge management that are essential to the career advancement of engineering managers.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

ENN515 Total Quality Management

Total Quality Management (TQM) has evolved beyond its roots in statistics and the quality control function. Today, many observe and consider it to be a framework for "excellent" management. The dominant themes are: a data-based approach to problem solving; a strong emphasis on organizational and behavioral considerations; a customer-oriented market-sensitive approach to designing and delivering both products and services; and finally, a desire for continual improvement. TQM practice is a pathway to the achievement of world class competitiveness.

Credit points: 12 **Campus:** Gardens Point

ENN520 Advanced Signal Processing and Systems

The concepts of signals, images and systems arise in a wide variety of fields, and the ideas and techniques associated with these concepts play an important role in such diverse areas of science and technology as communications, aeronautics and astronautics, circuit design, acoustics, seismology, biomedical engineering, process control, and speech and image processing. The field of signal and image processing has grown rapidly in the last few decades and it continues to grow in importance as technologies such as very large scale integration, programmable logic devices and high performance computing make it possible to implement digital signal and image processing systems for many practical applications.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

ENN530 Asset and Facility Management

Professionals are often involved in the management of infrastructure including transportation, water, energy, buildings and telecommunications. In today's business environment, the efficient maintenance and management of these assets and associated risks is critical. The professionals need to know how to manage the whole of life cycle of assets; organise maintenance based on condition and reliability assessments; and create as well as implement effective asset management and maintenance plans so as to meet the business objectives of the organisation.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

ENN540 Engineering Optimisation

In a society that recognises the impact of resource depletion and industrial activity on the environment, it is critical that professional engineers are equipped with the skills necessary to develop effective engineering conceptual solutions, optimise them, and then deliver them. This highly practical unit will introduce you to a range of advanced tools used in engineering concept development and optimisation, using mathematical and numerical methods.

Credit points: 12 **Campus:** Gardens Point

ENN560 System Design

A system comprises a number of elements which interact in order to perform a function that the individual elements could not. The systems engineering methodology considers whole of life cycle development, interactions between system elements, and interactions with other systems. The

professional engineer requires the technical skills to implement the system engineering methodology, the ability to interact with other professionals, and to communicate in an appropriate and industry recognised manner.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

ENN570 Enterprise Resource Planning

Enterprise Resource Planning (ERP) plays an increasingly significant role in large corporations. Today, many business analysts consider ERP to be essential for effective corporate functionality and increased productivity for private and government industries.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

ENN580 Control Systems

Feedback control systems form the basis of a large number of systems engineering applications in a diverse range of disciplines, including aerospace, robotics, power systems, and manufacturing. An advanced knowledge of real world control system issues, such as dealing with non-linearities and non-stationary phenomena, is essential for the advanced systems engineering practitioner.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

EPG001 Introduction To Power Plant

THIS UNIT IS AVAILABLE TO BX20 AND BX21 STUDENTS ONLY.

This unit provides an overview of the operation, performance and maintenance of large coal-fired boiler-turbine-generator plants. It is intended as an introduction to the whole of the power station plant and systems. Such coal-fired power plants consist of a water and steam cycle, a fuel (coal and air) cycle and control systems to optimise performance. A typical power station burns millions of dollars worth of fuel every week. Maximising plant efficiency in the face of plant problems, operational requirements and changes in fuel supply can save thousands of dollars each week and reduce the environmental impact of power generation.

Electricity is a commodity being traded in a market, but unlike most other commodities it cannot be stored in any significant quantity. Understanding the context of the network and the electricity market is a crucial aspect of operating power plants.

Credit points: 12 **Campus:** Gardens Point

EPG005 Project Delivery

THIS UNIT IS AVAILABLE TO BX20 AND BX21 STUDENTS ONLY.

This unit provides an overview of the techniques and tools required for the professional development of a project including the generation and submission of viable proposals. The successful development and implementation of such projects and the ability to appropriately manage projects and contracts related to plant equipment, maintenance and life schedules including refurbishment can save vast resources and directly affect the environmental impact within a power generation facility.

Credit points: 12 **Campus:** Gardens Point

EPG006 Applied Thermodynamics

THIS UNIT IS AVAILABLE TO BX20 AND BX21 STUDENTS ONLY.

Many power station plant processes involve movement of heat from one component to another. This might be for the generation process itself, or simply maintaining equipment within operating temperature limits. Measuring and managing heat transfer processes are crucial for the effective and efficient operation of generating plant. The heat produced by the boiler in a power station is delivered to the turbine. Any heat not extracted from the steam by the turbine is then discharged to the atmosphere through the cooling towers. This unit considers ways of effectively moving the heat generated in the various processes in the power station plant, and extracting that heat to produce electricity.

Credit points: 12 **Campus:** Gardens Point

EPG011 Industrial Electrical Power Distribution

THIS UNIT IS AVAILABLE TO BX20 AND BX21 STUDENTS ONLY.

This unit provides an overview of the aspects of industrial power distribution and earthing systems relevant to a power generation plant. Around 8% of a power station's output is used on plant auxiliaries - power stations are their own biggest customer. The effective design, operation and maintenance of equipment used for distribution of this auxiliary power across a plant site is crucial for its reliable operation. Earthing systems underpin the safety of personnel and plant in any industrial complex. This unit provides the theoretical and practical background knowledge required to understand the design, testing and maintenance of earthing systems in a power plant.

Credit points: 12 **Campus:** Gardens Point

EPG015 Industrial Electrical Power Systems

THIS UNIT IS AVAILABLE TO BX20 AND BX21 STUDENTS ONLY.

Electrical protection systems are fundamental to the safe and reliable operation of the generating facility. This unit provides the theory and knowledge to enable review and testing of protection schemes that protect plant items. Emergency Power systems underpin the safety and reliability of industrial facilities. This unit provides the theoretical and practical background knowledge required to understand the design operation and maintenance of Emergency Power systems. Applicable standards, codes and legislation, fundamentals of lighting system design.

Credit points: 12 **Campus:** Gardens Point

GSN221 Special Topic 1

This unit is offered to temporarily "house" subject matter which is not routinely offered by the Brisbane Graduate School of Business, but which is offered as a twelve credit point unit when specific subject matter is considered especially timely and/or in a semester when a visiting or adjunct professor is available with expertise that is not normally resident in the Faculty of Business.

Prerequisite(s): PG enrolment only **Contact hours:** 3 per week **Campus:** Gardens Point

GSN222 Special Topic 2

Like GSN221, this unit is offered to temporarily "house" subject matter which is not routinely offered by the Brisbane Graduate School of Business. This unit is offered to students who have already taken GSN221 and who wish to take a second "Special Topic" twelve credit point unit in the same program.

Prerequisite(s): PG enrolment; plus GSN221 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN224 Corporate Philanthropy

The nature of the relationship between the for-profit corporation and the nonprofit sector is invariably through corporate philanthropy. This unit examines five issues central to corporate philanthropy: legal and taxation, cause related alliances, corporate foundations, business giving models in Australia and corporate social responsibility. The unit is taught through case studies in Australian and international practice.

Prerequisite(s): PG enrolment only **Credit points:** 12

Contact hours: 3 per week **Campus:** Gardens Point

GSN233 Special Topic in Philanthropy and Nonprofit Studies

This unit is developed around the visiting adjunct professors or visiting scholars to the Centre of Philanthropy and Nonprofit Studies. It provides students with access to contemporary issues and experts in the field and involves in-depth examination of an issue of importance.

Prerequisite(s): PG Enrolment only **Credit points:** 12

Contact hours: 3 per week **Campus:** Gardens Point

GSN234 Contemporary Issues in Entrepreneurship

The unit introduces the students to the field of entrepreneurship research and the problems, theories and methods that are prevalent in (empirical) research on entrepreneurship. Students learn to "know the field" including its historical development; its "infrastructure" of journals, conferences and research centres, and its contemporary research questions and approaches. The students will develop an ability to assess the strengths and weaknesses of the field and gain insights into where and how they can contribute to its research frontier.

Prerequisite(s): PG research unit **Credit points:** 12

Contact hours: 3 hrs per week **Campus:** Gardens Point

GSN235 Communication, Negotiation and Leadership

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12

Contact hours: 3 **Campus:** Gardens Point

Incompatible with: Nil

GSN401 Managing in the Global Business Environment

Competence in managing is the key to success for any organisation and for any person within that organisation. The knowledge and ability to manage within the global business environment are crucial requirements for today's and tomorrow's managers. This unit introduces the planning, leading, organising and controlling functions of management to elucidate current trends in management practice in the global environment.

Prerequisite(s): Must be taken in first semester of study

Credit points: 6 **Contact hours:** 3 per week **Campus:**

Gardens Point **Incompatible with:** GSN204, MGN409

GSN403 Understanding Data

This unit is designed to provide students with a clear understanding of different types of data and techniques to present and analyse real world problems relevant to business and managers. Students are introduced to various techniques of organising, presenting and analysing economic and business data. Topics include probability theory, descriptive and inferential statistics.

Prerequisite(s): Nil **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** EFN409

GSN404 Financial Statements Analysis

This unit introduces students to basic accounting concepts and financial statements, and then explores methods of analysing them to give an informed understanding of the financial well being of the entity. Throughout, it takes the perspective of the user of financial statements, and in this role, explores the information in financial statements and how the three basic accounting statements are linked, and interdependent. The course guides students through the process of analysing financial statements, how to interpret findings and how to understand what the analysis and other contextual data tell them about the business.

Prerequisite(s): Nil **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** GSN202

GSN405 Strategic Management

Strategy is the process of determining goals and moving towards the achievement of those goals in a business, government, or not-for-profit setting. This unit introduces the concept of strategy and explores the basic tenets of the strategy process, competitive advantage, and strategic management in a changing global environment. It lays in the foundations for students in terms of understanding contemporary thinking in the strategy field. The learning process is enhanced by practical real-time examples of strategy in action utilising the case study method of learning.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN406 Human Resource Management Issues

This unit examines the challenges faced by managers in achieving effective human resource management in the contemporary business environment. An issues-based approach is adopted to focus attention on the need for the individual managers to complement their technical expertise with knowledge and skills in people management. Specific attention is given to the human resource management implications arising from the global business environment and the changing nature of organisations.

Prerequisite(s): Nil **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN407 Business Communication

Business Communication is an introductory unit that promotes effective written and spoken communication skills in a range of situations encountered by managers. Students will better understand the principles of effective written and

spoken communication by exploring communication theory and undertaking several practical exercises and tasks.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** CON404

GSN408 Fundamentals of Marketing Management

This unit provides students with the opportunity to critically examine and evaluate the role of marketing and its contribution to the strategic processes of the modern firm operating in an increasingly competitive national and international environment. Key marketing decision areas are examined, including the marketing concept, the marketing mix, marketing information systems and marketing research, market segmentation, targeting and positioning, and the process of marketing planning, implementation and control. Students have the opportunity to consider the evolution of marketing philosophy, determinants of consumer and organisational behaviour and the influences of environmental forces on marketing decision-making within the firm.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** GSN206

GSN409 Organisational Behaviour 1

Organisational Behaviour 1 is an introductory unit which analyses human behaviour at work with a focus on issues of personality, motivation, group interaction, occupational stress, and health and organisational change. The unit examines issues related to aspects of the working environment and to the relationship between managerial strategies, organisational structures and their effects on performance, health and autonomy.

Corequisite(s): Nil **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MGN412

GSN410 Entrepreneurship

This unit introduces the student to the field of entrepreneurship and the management of innovation. Entrepreneurial behaviour can take place within existing organisations (as intrapreneurship) or by starting a new business venture that is created to exploit a new technology or to introduce a new product, service, or business process. Topics include entrepreneurial attitudes, abilities and behaviours and culture; opportunity recognition and the development of new venture ideas; viability screening for initial and sustainable competitive advantage; risk recognition and mitigation; intellectual property protection; and developing the business model for a new enterprise.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** GSN300

GSN412 Business Law 1

This unit provides managers with an overview of basic legal principles, which form the foundation of the laws of commercial transactions from the perspective, and with particular relevance to, managers. Students will learn key elements of the rules governing business dealings by the interaction of the laws of contract, agency and franchising, property law, securities and bailment, company law and consumer law. The unit also introduces students to the Australian legal and statutory structure and provides an overview of the legal nature of business entities.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: AYN410; EFN413

GSN413 Financial Management 1

This unit introduces the student to the international financial environment in which business operates. The three major lessons in finance (time value, diversification and arbitrage) are introduced. Topics include time value of money, valuation, sources of funds, behaviour of firms and financial markets, introduction to investment evaluation, diversification, risk and return, and cost of capital.

Prerequisite(s): GSN403 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: EFN406

GSN415 Understanding Leadership

Leadership is the process of persuasion or example by which an individual influences others to pursue identified goals. The skills of leadership can be identified and learned. This unit explores the attributes, roles and tasks of leaders in contemporary business situations and the issues that impact on leadership, such as leader-follower interaction, ethics, leadership characteristics and leadership development. This unit culminates in the development of leadership profiles of contemporary leaders with an exploration of their characteristics and how their leadership roles are exercised.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN416 Business Plans 1

This unit offers students the opportunity to write a formal business plan for a new business venture or offshoot of an existing venture. As business planning is an intensive viability screening exercise in which the business planners must consider all strategic alternatives, students are required to choose a preferred 'business model' and analyse whether or not the proposed new venture appears to be viable. The business plan is a document that communicates this viability to an investor or other potential stakeholders in the new business and the structure and content of the business plan is crafted according to its intended role in a multi-stage communication process with the target reader.

Prerequisite(s): 96cp including GSN405 and GSN410
Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN417 Effective Advocacy for Managers

This unit builds on work completed in GSN407. It is designed to enhance students' presentation skills. It covers the practical application of key theories of speech communication to create managers who are effective persuaders, opinion leaders, and facilitators of change in a business environment. The issues covered include: structuring and designing for an audience; developing a persuasive theme; using imagery and language effectively; developing presentations.

Prerequisite(s): GSN407 **Contact hours:** 3 per week
Campus: Gardens Point

GSN418 Marketing Strategy Development

This unit builds upon the foundation provided by GSN408 and examines the managerial process involved in identifying and developing effective marketing strategies. It examines the role of marketing within the strategic processes of the modern firm and considers the process involved in strategic marketing in the global business context. It takes a case based approach to illustrating the effectiveness of key approaches to marketing strategy development and highlights the importance of new and emerging fields of marketing practice.

Prerequisite(s): GSN408 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: GSN206

GSN419 Organisational Behaviour 2

This unit builds upon work completed in Organisational Behaviour 1. It provides an extensive analysis of human behaviour with particular emphasis on behaviour in groups and the larger organisation. Topics include: organisational structure and design; teamwork and group work; organisational culture; power and politics; communication; conflict and negotiation; innovation and organisational development.

Prerequisite(s): GSN409 **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** MGN412

GSN420 New Venture Strategy

This unit considers and the requirements for resource-based sustainable competitive advantage in the context of new business ventures and the need to be strategically competitive. Topics include new venture strategic constraints; entry strategies; opportunity selection, connection between new venture strategy and marketing, disruptive strategy, strategy creation using applied Morphological Box, Value Innovation and TERMS methodologies. Students complete a Strategic Plan for a new venture as part of this unit.

Prerequisite(s): GSN405 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN422 Business Law 2

Business Law 2 provides a continuing overview of key areas of commercial law in the Australian environment. The subject builds on the basic principles of contract, property law, securities and bailment, consumer law agency and franchising, company law principles, covered in Business Law 1. Students focus on the essential elements of legal compliance programs and specific elements of the rules that impact on business operations in the areas of insurance law, law of torts and professional negligence, personal and corporate insolvency, environmental law, employment law, occupational health and safety and privacy law.

Prerequisite(s): GSN412 **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** AYN410

GSN423 Financial Management 2

This unit builds on the material covered in GSN413 Financial Management 1. It extends the analysis of firms' decisions in the areas of investment, dividends and financing. Topics include capital budgeting and taxation, dividends and imputation, capital structures, risk

management using options and futures, and an introduction to international finance.

Prerequisite(s): GSN413 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: EFN406

GSN425 Leadership Development

This unit builds upon GSN415 to develop leadership ability, utilising a conceptual framework for self-understanding and the development of the requisite knowledge, skills and attitudes required to lead successfully in contemporary society. It is designed to allow individuals a better understanding of their own capacities as leaders. Individuals will learn the principles of effective leadership and how their own style affects leadership, decision making, vision building, organisational culture and the use of power. The focus is on the development of self-awareness and the improvement of the individual's capacity to understand, communicate with, and influence others.

Prerequisite(s): GSN415 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN426 Business Plans 2

This unit is a follow-on from GSN416 and culminates in the writing and presentation of a formal and professional business plan. The business plan is a major component of a multi-part communication strategy between new venture management and the potential investor or other potential stakeholder. Effective presentation and defence of the business plan is also considered in this unit. As part of the assessment, students complete a formal Business Plan for a proposed new venture, and present their plan to the class.

Prerequisite(s): GSN416, GSN420, GSN429 or GSN416, GSN420, GSN427, GSN430 **Contact hours:** 3 per week
Campus: Gardens Point

GSN427 Financial Planning and Control

This unit explores the meaning of financial statements and their application in managerial decision-making. Information from financial statements is used to demonstrate how managers can understand and take control of the internal cost structure of their business. The unit introduces management accounting, basic costing concepts, cost behaviour and the cost-volume-profit model, budgeting and short-term decision-making.

Prerequisite(s): GSN404 **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** GSN202

GSN428 International Study Tour

This unit involves a group excursion to one or more international countries for students interested in learning more about doing business with that (those) countries. Students study the business environment and the underlying socio-political, geographical and historical aspects of that (those) countries in considerable detail. The international study tour will normally be scheduled during the semester break period, and involve 10-14 days overseas, accompanied by an Academic Advisor. The group attends organised briefings, meeting, presentations and site visits in the host countries. Assessment includes attendance and participation at all events and submission of a detailed Daily Journal.

Prerequisite(s): 48 credit points or permission of MBA

Director **Credit points:** 6 **Contact hours:** 3 per week
Campus: Gardens Point

GSN429 New Venture Marketing

New Venture Marketing is concerned with the special marketing needs of entrepreneurial businesses. In new ventures, market ignorance is often greater than in existing firms. Needs of potential customers must be analysed, product design and prototypes must be developed in line with marketing research results, new marketing channels must be created and access to existing channels must be secured. Potential customers must be identified, informed, and persuaded to try the new product. Pricing is also a problem area.

Prerequisite(s): GSN408 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN430 New Venture Funding

This unit is concerned with raising funds to establish, launch and grow a new business venture. Sources of funding considered include one's own resources, family and friends, 'social capital' transactions, business angels, venture capitalists, banks, and the public equity market. Methods of 'bootstrapping' and cash conservation, including agreements with suppliers, customers, and employees, are also considered. Pro-forma financial statements for the new venture, the financial valuation of the new venture, and the allocation of equity for intellectual property, seat equity, expenses incurred and funding provided are also examined.

Prerequisite(s): GSN413 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN431 New Venture Growth and Transitions

New ventures often start successfully but then flounder as rapid growth leads to problems in production, distribution, product quality, employee morale, cash flow or financing. Management's ability to make the transition from the new, small firm to a rapidly growing company is critical to its success. If the firm is to survive the entrepreneur must navigate the transition from 'hands on' involvement in every aspect of the business to a more detached management role.

Prerequisite(s): GSN405 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN432 New Venture Leadership and HRM

The entrepreneur's ability to exercise leadership is a critical factor in the success of most new ventures, and thus the main purpose of this unit is to enhance entrepreneurial leadership skills. Human resource management issues, including international human resource and cross-cultural management, are introduced and applied to the new venture situation. The establishment of appropriate and sustainable company culture is an important element of New Venture Leadership and this unit explores how company cultures are formed and developed as well as the day to day managerial practices that support and enhance productivity.

Prerequisite(s): GSN410, GSN415 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN434 Venture Capital

This unit considers, in the Australian and global financial market contexts, the operation of the venture capital industry and its rationing of relatively scarce risk capital among relatively abundant demands for new venture funding. Students gain an understanding of how the venture capital industry works and the criteria by which funds are committed to the support of new ventures. Students increase their ability to distinguish the less risky and more profitable investment opportunities from the more risky and less remunerative opportunities that may also be presented to venture capitalists.

Prerequisite(s): GSN413 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN438 Production and Operations Management 1

The pivotal concept of management is that the organisation is a dynamic system affected by both external and internal forces. Operations management narrows the focus of general management philosophies to consider the production/operations sub-systems. These sub-systems physically produce goods and services, which are the value-adds result of the transformation of inputs. Forecasting, process selection and design, layout and capacity planning, location planning and aggregate planning are considered. Issues of quality and efficiency are introduced analytically with respect to strategies and constraints.

Prerequisite(s): GSN401 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN440 Risk Management 1

This unit examines the role of risk management in contemporary management theory and practice. Key decision areas of risk (eg financial, human resource, physical - asset management etc) are considered in the context of the general management of the organisation.

Prerequisite(s): Nil **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN442 Project Management 1

Managers are increasingly placed in a position of project manager, to manage projects as diverse as the construction of new facilities, expansion to global markets, implementation of change, information technology systems installation, or planning the major conference. This unit provides the fundamental skills in both the operational and strategic aspects of project management. Academic requirements are met through a minimum of fortnightly contact with the lecturer by each student, through reading of the text and associated publications, and through the preparation and submission of a written project proposal.

Prerequisite(s): Nil **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN443 Project Management 2

Managers are increasingly placed in the position of project manager, to manage projects as diverse as the construction of new facilities, expansion to global markets, implementation of change, information technology systems installation, or planning a major conference. This unit builds on the fundamental skills in both the operational and strategic aspects of project management, which are covered in GSN442. In distance mode, academic requirements are met through fortnightly contact with the lecturer by each

student, through reference to the text and associate publications, and through the preparation and presentation of a written project proposal.

Prerequisite(s): GSN442 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN444 Special Topic 1

This unit is offered to temporarily 'house' subject matter that is not routinely offered by the Graduate School of Business, but which is offered when specific subject matter is considered especially timely and/or in a semester when a visiting or adjunct professor is available with expertise that is not normally resident in the Faculty of Business.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN445 Special Topic 2

This unit is offered to temporarily 'house' subject matter that is not routinely offered by the Graduate School of Business, but which is offered when specific subject matter is considered especially timely and/or in a semester when a visiting or adjunct professor is available with expertise that is not normally resident in the Faculty of Business.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN446 Applied Research Project A

The applied research project unit is an opportunity for accomplished students who are far into their studies to further deepen their knowledge in a particular area and apply it to a practical problem. The emphasis is on using academic tools - theories, methods and previous research findings - and linking them to practice. Under the guidance of a staff member who has agreed to supervise the project, and after approval by the Unit Coordinator, the student works in a self-motivated and self-directed manner towards the preparation of a concise but content-rich final report of approximately 3000 words, which forms the basis for assessment.

Prerequisite(s): 48 credit points, Unit Coordinator approval, GPA>5.5 **Campus:** Gardens Point

GSN445 Special Topic 3

Like GSN444 this unit is offered to temporarily 'house' subject matter that is not routinely offered by the Graduate School of Business. This unit is offered to students who have already taken GSN444 and GSN445 and who wish to take an additional 'Special Topic' unit in the same award program.

Prerequisite(s): Nil **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN456 Personal Development and Ethics for Managers

This unit provides students with an opportunity to increase their understanding of themselves and how their interactions with others impact on their effectiveness as managers in a global environment. This unit also provides a framework of basic principles for ethical decision making. The roles of the individual and ethics in business decision making are explored through the use of international case studies. Students get the opportunity to evaluate, critically, the role of individual behaviour and ethical decision making, from

not only a personal career perspective but as determinants of management and business effectiveness in an international context.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** GSN208

GSN457 Organisational Communication and Influence

This unit focuses on 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 unit provides the opportunity to analyse and reflect on the role of communication in constructing the conditions for achieving effective leadership and participation in organisations.

Prerequisite(s): GSN407 **Contact hours:** 3 per week
Campus: Gardens Point

GSN460 Creative Problem Solving

This unit introduces the student to the field of creative thinking for new business initiatives in the global business environment. The problem solving methods presented also have application for 'intrapreneurs' in established firms. Topics include organisational issues for managing creativity; methods of thinking; formal analysis approaches; individual creative techniques; and group based problem solving. Candidates will apply specific techniques to case studies during the semester. Video records of tutorials will be used to facilitate feedback for improved learning outcomes.

Contact hours: 3 per week **Campus:** Gardens Point

GSN462 Negotiation Strategies

This unit explores the theory and practice of business negotiation strategies. By focusing on distributive and integrative negotiation strategies and exploring business negotiation practices in various contexts, the unit provides students with the opportunity to develop understanding and skills of negotiation in general and business negotiation under selected contexts in particular.

Prerequisite(s): GSN407 **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** IBN409

GSN472 Legal Principles of Corporate Governance

Principles of Corporate Governance provides an introduction to the increasingly important area of corporate governance, as practiced by the Boards of Directors of companies. This subject provides an overview of the main concepts and history of corporate governance as a global trend, the core legal principles that underpin corporate governance including: relationships between key stakeholders; corporate governance in different contexts including small proprietary companies and large listed and unlisted entities and current issues; and includes arguments propounded for self regulation versus government intervention.

Prerequisite(s): GSN412 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: GSN229, GSN481

GSN473 Corporate Governance and Accountability

Boards of directors and managers of organisations are now legally as well as morally accountable for policies, processes, and outcomes to an increasingly vocal set of

stakeholders. Many of these accountabilities are not new, although until recently they may have not been monitored rigorously or at all. Recent high-profile corporate collapses and the widespread impact of the costs of these failures have resulted in greater regulation supplanting the former self-regulation practices. GSN473 examines the roles of the board and management in implementing and monitoring a sound corporate culture, proactively identifying and dealing with risk, and safeguarding the company's assets and its place in our society and economy.

Prerequisite(s): 96cps including GSN404 and GSN412

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN474 Strategy Planning & Development

The understanding of strategic planning, development and implementation and the implications for the modern organisation underpin this unit. Based on the case study method of teaching, the unit discusses the strategy development process in the modern business context, and takes into account the various stakeholders and influences that determine the eventual success or failure of strategy initiatives.

Prerequisite(s): GSN405 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN475 Strategic Analysis

Strategic analysis builds on the core understanding of the principles and foundations of strategic management. The capacity to critically analyse, to formulate options, and to recommend courses of action is an essential everyday tool for the strategist. The ability to analyse and present a point of view is the focus of the unit and incorporates presentation skills with strategic analysis.

Prerequisite(s): GSN474 **Contact hours:** 3 per week
Campus: Gardens Point

GSN476 Sales Management

This unit introduces the student to the field of sales management in the business environment whether local, national or international. The unit provides the opportunity for developing an understanding of sales processes and the associated management concepts and processes that support business strategic and operational outcomes, and the people involved in the selling. Students examine various sales models and their applicability to different industries and critique several commission, reward and recognition plans and their effectiveness.

Prerequisite(s): GSN405, GSN408 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN477 Contract Management

This unit provides managers with an understanding of some of the key factors involved in the management of contracts. Competence in this area is increasingly important as greater attention is paid to the negotiation and implementation of contracts, and as the trend to outsourcing various functions to other organisations continues.

Prerequisite(s): GSN405 **Corequisite(s):** GSN442
Contact hours: 3 per week **Campus:** Gardens Point

GSN479 Spreadsheet Modelling for Managers

This unit provides students with the analytical modelling skills to enhance abilities in making business decisions under uncertainty. Students are introduced to a range of techniques that involve structuring, analysing and solving managerial business decisions problems using Excel spreadsheets and add-ins. Topics include optimisation modelling, simulations models, decision analysis and forecasting.

Prerequisite(s): GSN403 **Credit points:** 6 **Contact hours:** 3 hours per week **Campus:** Gardens Point

GSN480 Business Sustainability and Competitive Advantage

This unit develops the business case for sustainability. Students will develop an understanding of sustainable development and triple bottom line thinking and practice within business strategy. The course explores the processes of sustainable value creation and organisational change for business sustainability. Students will learn how to evaluate critically the likely competitive effects on an organisation of a business model founded on sustainable development and corporate sustainability strategy.

Prerequisite(s): GSN411 or GSN414 or GSN491 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN481 Philanthropic and Nonprofit Frameworks of Governance

The unit explores contemporary understandings of philanthropic and nonprofit governance in the context of social, economic and political systems. It locates these understandings in various theoretical and descriptive frameworks providing students with both the knowledge and analytical skills that are necessary to reflect critically on philanthropy and nonprofit governance systems and their environments.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** GSN472, GSN229

GSN482 Philanthropic and Nonprofit Economics

The unit examines the role that economic theory can play in aiding decision-making in nonprofit organisations. It introduces students to the principles of microeconomics and explores their practical application to a range of decisions that confront nonprofits. Production theory, cost theory, elasticity and market failure are some of the topics explored in the nonprofit context.

Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: GSN229

GSN483 Ethics for Philanthropic and Nonprofit Organisations

This course introduces students to ethical theories and constructs with a focus on producing effective personal and professional resolutions to those ethical dilemmas specifically associated with Philanthropic and NonProfit (PANFP) organisations. The unit recognises the distinctive mission and character of PANFP organisations, while seeking to provide an understanding of integrity and response-ability.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** CON427, AMN480, GSN230

GSN484 Management for Philanthropic and Nonprofit Organisations

In the context of managing for excellence with integrity, this unit introduces students to the major management sub-disciplines of human resource management and industrial relations, governance, financial management, and marketing which may confront Philanthropic and Nonprofit (PANFP) organisations, their managers and governing bodies.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** CON427, AMN480, GSN230

GSN485 Legal Issues for Philanthropic and Nonprofit Organisations

The unit introduces students to critical issues of philanthropic and nonprofit law and taxation. The unit examines the regulatory, taxation and governance framework of nonprofit organisations and philanthropic transactions in Australian Federal and State jurisdictions.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** GSN231

GSN486 Accounting and Finance Issues for Philanthropic & Nonprofit Organisations

This unit introduces students to an overview of financial reporting. The unit begins with an overview of the purpose of accounting and the types of financial statements that comprise a financial report. The unit also focuses on the Australian financial reporting framework and whether an Australian accounting standard for nonprofit organisations is required. International comparisons are made.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** GSN231

GSN487 Marketing for the Nonprofit Sector

The theory and application of strategic marketing in the nonprofit sector is studied in this unit. The unit reviews key topics such as: competitive positioning; marketing mix formulation; issues and characteristics that differentiate nonprofit marketing and allegiances to multiple markets. Within the not-for-profit marketing mix, topics examined by students encompass the social cause as service/product, service delivery options (offline and online) and integrated marketing communication including database marketing and relationship management.

Prerequisite(s): Nil **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** AMN482

GSN488 Fundraising Development Principles

This unit considers the broad factors that influence fundraising/development success. It applies theories of marketing, public relations and management to fundraising and development and builds an understanding of the philanthropic environment. It re-examines the principles of fundraising/development, institutional readiness, case statement preparation, leadership, constituencies and research to build understanding of the context in which good development practice occurs.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** GSN232, MIN409,

AMN481

GSN489 Fundraising Development Techniques

This unit builds on GSN488 to delve into particular techniques of resource mobilisation in nonprofit organisations. It considers a range of income generation vehicles and techniques including capital and major gifts, special events, bequests, direct mail, telemarketing, e-fundraising, gift clubs and the art of building donor relationships. It also examines professional evaluation of fundraising programs.

Prerequisite(s): GSN488 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: GSN232, MIN409, AMN481

GSN490 Managing Technological Innovation

The role of technological innovation is crucial for the effective performance of modern enterprises. This unit explores the concepts of innovation and provides a managerial understanding of the major types of contemporary information technologies. These are used to explore the way technological innovation integrates and supports a broad range of business functions and processes and can be used strategically to provide advantage to an enterprise.

Prerequisite(s): Completion of 48cps including GSN405
Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: GSN402

GSN491 Economics in Business 1

This unit is designed to show how economics provides a framework of analysis, and a powerful set of tools that can be used by managers to understand the market conditions affecting business performance. It examines the forces that influence production and pricing decisions in individual markets and how market forces interact to determine the level of macroeconomic activity. The course provides a self-contained treatment of the major themes in micro and macro economics. It also provides a solid foundation for further study of the subject.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: EFN405, GSN411, GSN414

GSN492 Economics in Business 2

This unit builds on the analysis developed in GSN491. It provides a basic understanding of some of the key micro and macroeconomic factors that influence business performance. On the micro side, the unit examines the nature of the firm as an organisation, business objectives and constraints, strategic pricing decisions, the influence of market structure on pricing, and the rationale for government policy intervention in markets. The macro analysis examines the forces that determine output growth and the relationship between growth, inflation and unemployment. It also examines how monetary and fiscal policy influence the business environment and how exchange rates are determined.

Prerequisite(s): GSN491 **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** EFN405, GSN411, GSN414

GSN493 Customer Relationship Management

This unit introduces the student to the field of customer relationship management in the business environment whether local, national or international. The unit provides the opportunity for developing an understanding of customer relationship management (CRM) as a core business strategy with the associated technology dependencies and customer marketing concepts. Students will examine various business components of CRM, the CRM value chain technology tools, implementation processes and from case studies understand their applicability to different businesses and industries.

Prerequisite(s): GSN405, GSN408 **Corequisite(s):** GSN415 **Credit points:** 6 **Contact hours:** 3 per week
Campus: Gardens Point

GSN494 Innovating for Business Competitiveness

Innovation is increasingly being recognised as a key driver of business competitiveness. Fundamentally there are two types of innovation - product or process. Product innovation is concerned with developing new products or services to meet market needs. Process innovation is focussed on developing better or cheaper ways of delivering product and services. This course is concerned with the link between innovation and the achievement of organisational goals. As such, it could alternatively be titled Strategic Management of Innovation. In fact, the unit adopts the familiar analysis, formulation, implementation notions of strategy, but focuses on the strategic role of innovation.

Prerequisite(s): GSN405, GSN410 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN495 Special Topic 4

This unit is offered to temporarily 'house' subject matter that is not routinely offered by the Graduate School of Business. This unit is offered to students who have already taken GSN444; GSN445 or GSN455 and who wish to take an additional 'Special Topic' unit in the same award program.

Contact hours: 3 per week **Campus:** Gardens Point

GSN496 Public Relations and Crisis Management

This unit has been designed to introduce managers to the role of public relations in managing stakeholder relationships and to specifically address this role during times of crisis. Crisis management is growing in importance as organisations face increased scrutiny at a local and global level. The ability to identify issues, negotiate with stakeholders where possible and handle effectively, communication during times of crisis is critical to the ongoing success of organisations. Managers require an understanding of the types of issues and crises that can occur and various action strategies to address the particular needs of their organisation.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point

GSN501 The Strategic Management of Complex Projects

Complex projects are usually initiated to implement long range strategies in contexts of high complexity and uncertainty, where client outcomes are often emergent. This unit provides the fundamental skills that enable complex project managers to understand the project's strategic

context and develop project strategies capable of delivering successful client outcomes. Strategic management competencies are developed through the application of strategic and systems concepts and frameworks to real-life case studies of complex projects

Credit points: 6

GSN502 Systems Thinking

Managers of complex projects deal with complex problems whose resolution requires holistic approaches, sophisticated thinking and pluralist methodologies. This unit provides foundational knowledge related to systems methodologies and their underpinning epistemologies that enable project managers to solve complex project problems in context. Students will acquire systems skills in a reflexive process involving the application of systems methodologies in isolation and in combination.

Credit points: 6

GSN503 Self Realisation and Personal Development

Self awareness provides a foundation for both personal and leadership development. This unit provides an opportunity for students to increase their understanding of themselves and how their interactions with others impact on their effectiveness as managers in a complex project management environment. Personal development is explored in the context of cultural understanding and ethics. This unit contributes to the core competencies of: Change and Journey; Innovation, Creativity and Working Smarter; Leadership; Culture and Being Human; and Probity and Governance; as it deals with the role, behaviour and development of the individual in a complex project management context.

Credit points: 6

GSN504 Creative Problem Solving and Innovation

Organisations employ creativity and innovation to lead change in complex environments. This unit provides opportunities for improving individual and group creative problem solving skills in the context of complex projects under conditions of incomplete information, or where lateral and/ or original thinking or reframing an existing paradigm is required. In addition to exploring how to turn creativity into innovation that benefits the customer and the business venture, bringing creativity and innovation into the organisation and building an environment to support these activities, the unit identifies barriers to creativity, approaches to minimise such barriers and methods to generate or recognise possibilities to solve commercial or operational problems.

GSN505 Communicating Effectively

Effective communication is a key driver of success, particularly in complex environments. This unit explores the communicative qualities of the individual, including persuasiveness, assertiveness, responsiveness and versatility, and the communicative qualities of the complex organisational environment in which project managers operate, both nationally and internationally. The focus is on the development of participants who are identifiable by the communicative sophistication of their behaviour across all their responsibilities. The unit provides the foundation

knowledge that supports each of the other competencies in the program.

Credit points: 6

GSN506 Entrepreneurial Thinking

This unit introduces participants to the field of entrepreneurship and the management of innovation. Entrepreneurship involves the development of opportunities and is concerned with the creation and appropriation of value for the firm. The insights generated in this field will be applied to the complex environments in which project managers operate and the dynamics generated by entrepreneurial thinking. Topics explored include entrepreneurial attitudes, abilities, behaviours and culture; creative thinking, opportunity recognition and the development of new venture ideas; viability screening for initial and sustainable competitive advantage; risk recognition and mitigation; intellectual property protection; and the development of effective business models.

GSN507 Building Effective Teams

Successful projects are dependent on people working together, and on the development and operation of high performance teams. This is particularly the case in large complex projects. This unit explores the role of teams and the contribution made by diverse individuals to team performance. It also explores the building of positive team environments, the emergence of virtual teams and the development of team leadership skills. This unit contributes to the core competencies of: Strategy and Project Management, Change and Journey, Organisational Architecture and Leadership; as teams are integral to the way organisations and complex projects operate.

Credit points: 6

GSN508 People in Organisations

This course will develop an understanding of why employees feel and act the way they do in organisations, and provide methods for enhancing and promoting positive employee attitudes and behaviours and for improving organisational effectiveness. Concepts and theories relevant to the behaviour of individuals and groups such as individual differences, perception, motivation, conflict resolution and managing in complex environments will be used to identify, analyse and discuss organisational problems relevant to complex projects and develop behavioural responses to these situations. An additional focus is the broader organisation, its dynamic relationship with its environment and implications for organisational culture, power, change and development.

Credit points: 6

GSN509 Workplace Project 1

As a work-integrated unit, Workplace Project 1 will be conducted using a problem-based learning approach. Each participant will identify a problem resulting from the management of a complex project in their workplace or a nominated other workplace. Working with a workplace mentor, an academic advisor, and a support team of project managers from the program, the participant will conduct research to understand the problem, identify the key dynamics and issues, and develop implementation plans to

improve the situation. Participants will apply key learnings from units GSN 5101-508 to develop their plan.

Credit points: 6

GSN510 Complex Projects and the Law

Project managers in managing complexity are often required to manage their projects both within and across a multitude of legal frameworks and systems (national and international). As a result, project managers need the skills and expertise to examine, interpret and where necessary enter contracts on behalf of their organisation with confidence and minimum risk of legal and financial exposure. This course has therefore been designed to examine different legal frameworks associated with complex project management (ie. governance, contractual & financial management) in the commonwealth public sector and international settings.

Credit points: 6

GSN511 Performance Measurement and Reporting

Project managers in managing complexity are increasingly required to establish appropriate project reporting frameworks and performance management methodologies. Further, such frameworks and methodologies should facilitate reporting of the project outcomes in a relevant and timely manner. As a result, this course focuses on aligning outcomes with project strategy, development of key performance indicators, benchmarking, and a variety of frameworks for reporting performance (e.g, balanced scorecard; dashboard performance monitoring and reporting; and exception reporting methods, and benefits realisation).

Credit points: 6

GSN512 Planning For Risk and Change

Understanding and expertise in the analysis of organizational and systems vulnerability, in addition to continuity and recovery planning and risk management strategies, confer particular advantages to participants working in complex settings. This Unit examines issues relevant to applying risk-based analytical tools to complex organizational activities both nationally and internationally. Unit goals focus on developing conceptual and practical skills in vulnerability and uncertainty analysis as well as targeted mitigation strategies and seek to integrate this knowledge with competencies relevant to working in complex organizational and project settings.

Credit points: 6

GSN513 Managing For Innovation

Managing for Innovation is a strategic process to create new products, processes and services which provide new business value for customers. Continuous innovation with a consistent output requires leadership, an organisational culture that embraces innovation as a core value, innovation processes as a core methodology and people who are focused, enthusiastic and committed to coming up with the best ideas and getting them speedily to market. Case examples of factors that shape and drive disruptive innovation which creates new markets and new business models, open innovation where research and development across the firm's boundaries, through connect and deliver processes and best practice approaches to the key

management challenges of innovation are discussed.

Credit points: 6

GSN514 Strategic Hrm

Organisations do best when they have the right people in the right place, doing the right things. Just as Defence relies on whole-of-life acquisition, operation, maintenance and disposal, so also Strategic Human Resource Management relies on attracting the best people, developing and supporting them, and creating organisations that build on their knowledge. This unit focuses on diagnosing HR strengths and weaknesses in the organisation, aligning HR practices and strategy, and technical processes such as recruitment and selection, change management and HR planning. SHRM gives you reasons to spend organisational resources on developing your people, to increase your organisation's productivity and to make SHRM your personal area of management competence.

Credit points: 6

GSN515 Business Planning

This unit offers participants the opportunity to write a formal business plan as part of the project management process. As business planning is an intensive viability screening exercise in which strategic alternatives must be considered, participants are required to choose a preferred 'business model' and demonstrate the viability of the project. The business plan summarises the proposed strategy and provides details on the operations, financing, marketing and management of the proposed project and is designed to facilitate the implementation of the selected strategy. The business plan communicates the viability of the project to stakeholders in the project and is potentially a powerful and useful tool in the development of bid submissions

Credit points: 6

GSN516 Negotiation Strategies

This unit builds upon GSN505 and embeds the requisite knowledge, skills and reflective abilities to identify potential sources of conflict, design alternative dispute resolution systems to avoid escalation of conflict, negotiate for results, identify and deal with the impact of power on the dynamics of the negotiation process and effectively implement distributive and integrative strategies in the management of complex project negotiations. Individuals will be encouraged to improve their capacity to negotiate for results in complex settings through role-play exercises and reflection on individual performance and outcomes.

These skills will be further built upon in GSN520.

Credit points: 6

GSN517 International Study Tour

Complex international environments are central to the work of complex project managers. This unit provides a structured learning environment in which participants will explore complex project sites by working with industry partners and international defence agencies. Particular focus will be given to managing across borders with multiple stakeholders and to managing knowledge and information systems. Participants will develop and write a bid submission for a complex project identified during the tour, including the development of project delivery implementation plans which respond to the issues of

culture, distance, diversity and seamless integration of complex projects.

Credit points: 6

GSN518 Implementation of Complex Projects

The successful implementation of complex projects requires managers to reflexively and discriminately integrate project, systems, strategy and management skills and approaches. As part of the study tour, this unit will provide opportunities to study and learn from the experiences of industry practitioners, and develop understanding and competencies related to the implementation of project plans, the establishment of appropriate project organisational architectures, and the selection of effective operational solutions.

Credit points: 6

GSN519 Leadership For Results

Leadership is the process of persuasion by which an individual influences others to pursue identified goals. The skills of leadership can be identified and learned. This unit explores the various ways of defining and understanding leadership. The unit builds upon early units 503, Self Realisation and Personal Development, 507 Building Effective Teams, and 508 People in Organisations, to develop leadership ability, utilising a conceptual framework for self-understanding and the development of the requisite knowledge, skills and attitudes required to successfully lead complex projects. The focus is on the development of self-awareness and improvement of the individual's capacity to understand, communicate with and influence others.

Credit points: 6

GSN520 Change and Journey Management

Many traditional organisational structures and processes have proven inadequate for addressing the extraordinary dilemmas in complex project management. This unit explores key issues in change and leadership in diverse environments. As complex projects are dynamic emerging systems, dealing with change necessitates awareness that even small changes have multiple ongoing effects. Managing complex projects for effective outcomes necessitates constant monitoring of the system and adapting on the journey. The double loop learning approach utilised offers participants a process of problem-solving involving frequent stakeholder participation to identify espoused and actual theory-in-use, new sense-making, creating innovative change actions and generalising results.

Credit points: 6

GSN521 Managing Contract Relationships

The business of complex global projects is dominated by concerns of jurisdiction, security, and trust. Within this operating context, the judicious attention to the social as well as technical aspects of project management becomes a core competency. This unit focuses attention of the processes and costs of developing, maintaining, and securing the contractual relationships within and between project partners. It pays particular theoretical and pragmatic attention to identifying and building strategic relationships and embedding trust as a core social relation in contracts. The management and measurement of trust and relationships is a further emphasis of the unit.

Credit points: 6

GSN522 Accountability and Governance

This course focuses on good corporate governance principles and how these principles apply in the workplace. Specifically, candidates will gain an understanding of common principles of good corporate governance within a project management environment. With a backdrop of engaging stakeholders and making accountability real, candidates will gain a deep understanding of how to provide full transparency for critical activities and decisions, promote impartial decision-making and accountability throughout strict conflict of interest policies and measure results relative to overall strategic goals. This also includes defining clear relationships between activities and outcomes and embracing performance measurement and reporting.

Credit points: 6

GSN523 Issues Management

There is increasing recognition internationally of the need for organisations to strategically manage their relationships with various stakeholders. This is particularly true in times of crisis, as organisations face increased scrutiny at a local and global level when such relationships are placed at risk, and the survival and success of the organisation may be in question. This unit provides the fundamental skills to identify potential issues and crisis areas within organisations, establish systems to manage the crisis process from issue identification through to implementing a crisis plan and debriefing, and demonstrate the importance of integrating communication and action plans in issues management and crisis communication.

Credit points: 6

GSN524 Capstone Integrating Workplace Project

As a work-integrated unit, Capstone Integrating Workplace Project will be conducted using a problem-based learning approach. Each participant will identify a complex project opportunity in their workplace or a nominated other workplace. Working with a workplace mentor, an academic advisor, and a support team of project managers from the program, the participant will conduct research to understand the problem, and identify the key dynamics and issues. Participants will develop and write a bid submission for or workplace response to a complex project, including the development of a project delivery implementation plan. This unit draws on each of the competencies as a capstone unit.

Credit points: 6

GSN525 Understanding Complex Projects

Credit points: 6

GSN526 Creative and Entrepreneurial Thinking

Credit points: 6

GSN550 Knowledge Management

GSN551 Negotiation Skills and Strategies

Credit points: 6

GSN552 The Sustainable Business

GSN553 Business Leadership Practicum

Credit points: 6

HHB001 Bridging Cultures

This unit develops students' awareness, understanding, sensitivity and ability to deal with individuals and organisations from different cultural backgrounds. It takes a practical approach to the issues involved by providing not just a theoretical framework for interpreting differences in cultural behaviour, but also skills and strategies which can help in appropriately responding to culturally different situations. This unit will be of particular value to students about to embark on in-country study or exchanges, to incoming international students, or to anyone with a general interest in intercultural communication. It will be a useful complement to the study of a second language, but does not require or assume prior language study.

Prerequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point

HHB030 Mandarin For Chinese

In this unit students will receive instructions in listening and speaking Putonghua, reading and writing Pinyin Romanisation and reading and writing simplified characters. They learn differences in structure and nuance between their native dialect and Putonghua.

Credit points: 12 **Campus:** Gardens Point
Incompatible with: HUB450, HHB050

HHB031 Mandarin 1

This unit introduces students who have little or no prior knowledge of Chinese Mandarin to the four macro skills of listening, speaking, reading and writing through an integrated communicative approach to teaching. Content will include: the Mandarin sound and tonal systems; the Pinyin Romanisation system; introduction to Chinese character writing, greetings and introductions; family, identification of nationalities, places and objects, locations and directions.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** HUB453, HHB051

HHB032 Mandarin 2

This subject continues to develop the four macro skills of listening, speaking, reading and writing through an integrated communicative approach. While there is further consolidation of the knowledge of the Pinyin Romanisation system, greater attention is devoted to the reading and writing of characters. With acquisition of language, students receive further exposure to aspects and characteristics of Chinese culture.

Prerequisite(s): HHB031 or HUB453 or HHB051 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** HHB052, HUB454, HHB052

HHB033 Mandarin 3

Prerequisite(s): HHB032 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

HHB034 Mandarin 4

Prerequisite(s): HHB033 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

HHB035 Mandarin 5

Prerequisite(s): HHB034

HHB036 Mandarin 6

Prerequisite(s): HHB035

HHB037 Mandarin 7

Prerequisite(s): HHB036

HHB038 Mandarin 8

Prerequisite(s): HHB037

HHB056 International Intensive Program

Credit points: 12

HHB057 International Summer School Or Equivalent

Credit points: 24

HHB058 In-Country Study - A

This unit involves an approved course of study at a designated foreign institution for one semester.

Credit points: 48 **Campus:** Gardens Point
Incompatible with: HUB648

HHB059 In-Country Study - B

This unit involves an approved course of study at a designated foreign institution for one semester.

Credit points: 48 **Campus:** Gardens Point
Incompatible with: HUB461

HHB061 French 1

This unit aims to give students who have not reached senior or the equivalent the grounding necessary for the post-senior course. The unit allows students to develop conversational skills, and introduces them to reading and writing.

Credit points: 12 **Contact hours:** 4 per week **Campus:** University of Queensland **Incompatible with:** HUB670

HHB062 French 2

This unit aims to give students who have not reached senior or the equivalent the grounding necessary for the post-senior course. The unit also equips students for a range of basic professional encounters requiring French.

Prerequisite(s): HUB670 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** University of Queensland
Incompatible with: HUB671

HHB063 French 3

The course concentrates on developing cross cultural skills for communication in French with particular reference to student experiences abroad. The course encourages students to make contacts in the French speaking community in Brisbane.

Credit points: 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB672

HHB064 French 4

This course expands on work done in the first semester, to allow students to discuss a number of current issues in French society. Magazine articles, news reports, the Internet, videos and a novel develop reading, writing, speaking and listening skills, as well as cultural awareness.

Prerequisite(s): HHB063 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB673

HHB065 French 5

This unit has two components: a) An introduction to Business French. Students work on the skills necessary to the recruitment process; reading job offers, preparation of a CV and so on. b) The study of coherence and cohesion in longer texts. Computer mediated communication puts students in contact with classes of French peers.

Prerequisite(s): HHB064 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB674

HHB066 French 6

How do you argue in French? This course equips students to explain and debate issues, using written and video materials. Students prepare their own video report.

Prerequisite(s): HHB065 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB675

HHB067 French 7

This advanced course in business French equips students for working in Europe or in French-speaking companies in Australia. Students have the option of sitting for the Diplome de francais des affaires duxieme degre.

Prerequisite(s): HHB066 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB678

HHB068 French 8

This unit allows students to play with verbal and non-verbal aspects of French by studying gestures and idiomatic expressions. A final project allows students to relate the content to their own interests (e.g. translation, advertising, education). Students write and present a short play at the end of the course.

Prerequisite(s): HHB067 **Credit points:** 12 **Contact hours:** 2 per week **Campus:** University of Queensland **Incompatible with:** HUB677

HHB071 Indonesian 1

This entry level unit aims to equip beginning students with elementary communicative competence in a variety of everyday situations. At the end of the year, students will have been exposed to about 2000 words and should be able to use most of the productive sentence patterns of Indonesian in comprehending and expressing information about basic needs in mostly familiar and predictable situations.

Credit points: 12 **Contact hours:** 4 per week **Campus:** University of Queensland **Incompatible with:** HUB650

HHB072 Indonesian 2

This entry level unit aims to equip beginning students with elementary communicative competence in a variety of

everyday situations. At the end of the year, students will have been exposed to around 2000 words and should be able to use most of the productive sentence patterns of Indonesian in comprehending and expressing information about basic needs in mostly familiar and predictable situations.

Prerequisite(s): HHB071, or equivalent **Credit points:** 12 **Contact hours:** 4 per week **Campus:** University of Queensland **Incompatible with:** HUB651

HHB073 Indonesian 3

This unit advances learners' competence to intermediate level, with some analytical focus on sentence construction and word formation (the affix system). Authentic texts, especially reading materials, are increasingly used during this year, and by the end of the second semester, with the use of a dictionary, students can make good sense of straightforward Indonesian reading material from newspapers, books and magazines. An interview assignment each semester provides opportunities for interaction with native speakers.

Prerequisite(s): HHB072 or equivalent **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB652

HHB074 Indonesian 4

This unit advances learners' competence to intermediate level, with some analytical focus on sentence construction and word formation (the affix system). Authentic texts, especially reading materials, are increasingly used during this year, and by the end of the second semester, with the use of a dictionary, students can make good sense of straightforward Indonesian reading material from newspapers, books and magazines. An interview assignment each semester provides opportunities for interaction with native speakers.

Prerequisite(s): HHB073 or equivalent **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB653

HHB075 Indonesian 5

At this level students view weekly audio-visual (tape-slide and video) programs produced in Indonesia for local consumption. Conversation, reading and writing classes reinforce and extend students' ability to communicate on a range of everyday topics relevant to modern Indonesian society. Students give weekly classroom presentations in the language.

Prerequisite(s): HH074 or equivalent **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB654

HHB076 Indonesian 6

At this level, students view weekly audio-visual (tape-slide and video) programs produced in Indonesia for local consumption. Conversation, reading and writing classes reinforce and extend students ability to communicate on a range of everyday topics relevant to modern Indonesian society. Students give weekly classroom presentations in the language.

Prerequisite(s): HUB654, HHB075 or equivalent **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB655

HHB077 Indonesian 7

At this level, students are comfortable in using authentic Indonesian source materials dealing with a range of sophisticated and complex issues. Students have the opportunity to pursue, in some depth, topics of special interest and relevance to their individual vocational, career or research needs.

Prerequisite(s): HUB655, HHB076 or equivalent **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB656

HHB078 Indonesian 8

At this level, students are comfortable in using authentic Indonesian source materials dealing with a range of sophisticated and complex issues. Students have the opportunity to pursue, in some depth, topics of special interest and relevance to their individual vocational, career or research needs.

Prerequisite(s): HUB656, HHB077 or equivalent **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB657

HHB081 Japanese 1

This unit is aimed at students with little or no experience in Japanese. Students learn to conduct conversations in a range of everyday situations using basic grammatical structures and colloquial expressions. The hiragana and katakana scripts are taught from the outset and a total of 74 kanji are introduced. Resources include textbook and workbook, audio CDs and interactive multimedia software. Cultural aspects are integrated into the course.

Credit points: 12 **Contact hours:** 4 per week **Campus:** University of Queensland **Incompatible with:** HUB660

HHB082 Japanese 2

This unit develops the skills needed to speak, understand, read and write Japanese in a wider range of everyday situations using basic grammatical structures and colloquial expressions. Resources include textbook and workbook, audio CDs and interactive multimedia software. A further 96 kanji are introduced and cultural aspects are integrated into the course.

Prerequisite(s): HUB660, HHB081 or equivalent **Credit points:** 12 **Contact hours:** 4 per week **Campus:** University of Queensland **Incompatible with:** HUB661

HHB083 Japanese 3

This unit is for students who have successfully completed the introductory units at QUT, Year 12 Japanese or equivalent study elsewhere. Students further develop skills needed to speak, understand, read and write Japanese in a wider range of everyday situations and prepare a group presentation on a given topic. Resources include textbook and workbook, audio CDs and interactive multimedia software. 73 additional kanji are introduced and cultural aspects are integrated into the course.

Prerequisite(s): HUB661, HHB082 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB662

HHB084 Japanese 4

This unit further develops the skills needed to speak, understand, read and write Japanese in a wide range of everyday situations. Students are encouraged to engage in free discussion on topics included in the course. Resources include textbook and workbook, audio CDs and interactive multimedia software. 116 additional kanji are introduced and cultural aspects are integrated into the course.

Prerequisite(s): HUB662, HHB083 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB663

HHB085 Japanese 5

This unit is for students who wish to develop their communication skills to an intermediate level. Through Internet research and oral presentations, students will explore socio-cultural issues in Japan as well as other parts of the world. An interactive CD-ROM program provides extension exercises, particularly with new vocabulary and kanji.

Prerequisite(s): HUB663 or HHB084 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB664

HHB086 Japanese 6

This unit continues the socio-cultural theme of HHB085. Students have the opportunity to further develop their language skills and knowledge of Japanese society through the study of socio-cultural issues related to Japan and the world. An interactive CD-ROM program provides students with extension exercises, particularly with new vocabulary and kanji.

Prerequisite(s): HUB664 or HHB085 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB665

HHB087 Japanese 7

This unit is for students who wish to develop their communication skills to an advanced level. The focus of the unit is the language used in the Media. Television and radio news and documentary programs of social and cultural interest are made accessible through the use of an interactive CD-ROM. Reading/writing activities focus on newspaper articles. Students are encouraged to make use of the Internet to keep up-to-date with current affairs in Japan.

Prerequisite(s): HUB665 or HHB086 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB666

HHB088 Japanese 8

The focus of this unit is business Japanese. The entire unit is based on a simulation of a Japanese company based in Australia. Since the operational language of the company is Japanese, students learn how to conduct themselves in formal situations, observing appropriate etiquette. The skills engendered in this unit include speaking formal Japanese, making telephone calls, expressing opinions appropriately, understanding job advertisements, writing a CV, writing formal letters and going for a job interview. These are skills needed by anyone who wants to reach an advanced standard of Japanese - not only business students.

Prerequisite(s): HUB666 or HHB087 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland

Queensland **Incompatible with:** HUB667

HHB091 German 1

This unit assumes no prior knowledge of German. It aims to equip students with the necessary German language and socio-cultural skills to communicate in a variety of specific situations. Students will be able to talk and write simply about a number of topics: self; how to get to know someone; how to interact with other students; how to talk about family, friends, pets, home, the weather, likes/dislikes, and interests and feelings. Students will also become aware of the role and importance of extra-linguistic features in spoken and written communication.

Credit points: 12 **Contact hours:** 4 per week **Campus:** University of Queensland **Incompatible with:** HUB735

HHB093 German 3

German 3 is the entry point for students with year 12 German or equivalent. Its aim is to consolidate knowledge gained from diverse sources and ensure that students are familiar with common structures and confident in their basic abilities. There is continuing emphasis on spoken expression. Students spend much of class time speaking in pairs and small groups, and these interactions are supported by written compositions, grammatical analyses and Web quests. Students use more complex sentences to describe past events and improve their ability to distinguish oral styles from written narratives. Topics covered include holidays and transport, food, cooking, restaurant meals, childhood and youth, stories and fairy-tales.

Prerequisite(s): HUB736 or HHB092 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland **Incompatible with:** HUB737

HHB095 German 5

The units German 5, 6, 7 and 8 form consecutive advanced units that repeat every four semesters. Students in German 5 & German 7 combine in 1st semester and complete the same content but with different assessment items and levels of difficulty. The same then occurs in German 6 & 8 for second semester. The content of these advanced units is designed for students planning to enter international business environments. Topics covered include planning and arranging meetings, establishing customer and client contacts, and composing business letters.

Prerequisite(s): HHB094 or equivalent **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland

HHB097 German 7

The units German 5, 6, 7 and 8 form consecutive advanced units that repeat every four semesters. Students in German 5 & German 7 combine in 1st semester and complete the same content but with different assessment items and levels of difficulty. The same then occurs in German 6 & 8 for second semester. The content of these advanced units is designed for students planning to enter international business environments. Topics covered include planning and arranging meetings, establishing customer and client contacts, and composing business letters.

Prerequisite(s): HHB096 or equivalent **Credit points:** 12 **Contact hours:** 3 per week **Campus:** University of Queensland

HHB100 Introduction to Human Services and Social Work

This unit provides an introduction to human services and social work and locates this within the broader context of the welfare state. It examines both the history, and global and national forces, which shape the current direction of welfare policy and the human service industry. The purpose of human service work and the various roles a human service worker may undertake or utilise are explored. The unit challenges students to reflect on their own understandings of human services and human service work, and provides a foundation for detailed study in later years of the course.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB110

HHB102 The Human Condition

This unit introduces students to a range of individual, familial and social conditions that impact on the lives and lifestyles of Australians. Attention is directed toward the impact of factors such as age, ability, gender, culture and class, and the identification and exploration of key processes in human growth and development. Students become informed about theories from a range of disciplines and develop a critical and reflective approach to understanding human development. By examining how societies define and respond to human need and adversity students develop a framework for examining the dynamic interaction of individual, interpersonal and social forces.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB121

HHB103 Contemporary Social And Community Issues

This unit explores a number of contemporary social issues relating to social marginalisation and human disadvantage. It locates these issues in a theoretical and descriptive framework thus providing students with both knowledge and analytical skills that are necessary for the ongoing exploration of social issues. It explores the connection between forces at a macro level and human disadvantage and examines the value assumptions that sustain structural inequity. It encourages students to reflect on the implications of structural disadvantage for human service practice and the role of the human service worker as a participant in civil society.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB122

HHB104 Understanding Society: Intro To Sociology

This unit introduces students to the way sociology approaches the understanding of the social world in general and Australian society in particular. The following important issues will be covered throughout the semester. Firstly, students will learn about the role and significance of sociology and sociological knowledge. The development of sociology and sociological knowledge will be outlined and students will learn about the major sociological themes and authors. Secondly, the importance and placement of sociology in the context of social science will be discussed. Thirdly, students will learn how to understand and utilize some of the central sociological concepts such as class/status, sex/gender, and race/ethnicity.

Credit points: 12 **Contact hours:** 3 per week **Campus:**

Kelvin Grove, Carseldine and Caboolture **Incompatible with:** HHB120

HHB104 Understanding Society: Intro. To Sociology

This unit introduces students to the way sociology approaches the understanding of the social world in general and Australian society in particular. The following important issues will be covered throughout the semester. Firstly, students will learn about the role and significance of sociology and sociological knowledge. The development of sociology and sociological knowledge will be outlined and students will learn about the major sociological themes and authors. Secondly, the importance and placement of sociology in the context of social science will be discussed. Thirdly, students will learn how to understand and utilize some of the central sociological concepts such as class/status, sex/gender, and race/ethnicity. It is essential that social science students

Credit points: 12 **Contact hours:** 3 per week **Campus:** Carseldine **Incompatible with:** HHB120

HHB105 Exploring Change

As one of the core introductory units for the Society and Change major, Interpreting Change introduces students to ways of understanding the intersection of personal experience with social change. The unit will be organised around exercises that encourage students to place their personal experiences in the context of a bigger picture of societal, interpersonal and environmental change. The unit also introduces the conceptual, analytical, information retrieval, problem-solving and communication skills that form the basis of the Society and Change major. The three themes in the society and change major are Societies in Transition, Environment, Society and Change, and The Individual and Society.

Contact hours: 3 per week **Campus:** Carseldine **Incompatible with:** HUB146

HHB106 Australian Society And Culture

This unit includes the following: 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Carseldine and Caboolture **Incompatible with:** HUB600

HHB107 World Regions

This unit includes an overview of world regional geography. It highlights key themes in both physical and human geography within specific regions such as human-environment interactions, resource management, natural hazards, population and culture, and economic development.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HUB202

HHB108 Australian Society And Culture For International Students

This unit provides students from overseas with experiences and knowledge that will enhance their understanding of contemporary Australian society. A number of social, cultural and political ideas, policies, and actions that have

shaped the people of Australia will be studied.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

HHB109 Australian Historical Studies

Public access to history is increasing, but what is told about the past in books, plays, films, encyclopaedia, documentaries, museums, galleries and national celebrations is contested, uncertain, and controversial. Who should tell history, what should be told and what should be left out are hotly debated. History is no longer dominated by celebratory, chronological narratives. Multidisciplinary approaches, alternative viewpoints and a wide range of media are now used to project private, family, community and national myths and stories. Current Australian historical studies, research and teaching reflect these uncertainties.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HHB110 Introduction To International And Global Studies

This unit introduces students to a range of important perspectives in understanding international and global social change. Students will identify trends in globalisation from historical and theoretical frameworks, analyse regional trends and issues, and investigate the workings of significant international organisations and operations. In this unit students develop research and communication skills in print and electronic media.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point, Carseldine and Caboolture **Incompatible with:** HUB221

HHB111 Issues In International And Global Studies

The forces of internationalisation and globalisation represent a significant shift in the way people work, live and relate to each other in societies and cultures. To be 'globally literate' means to engage critically with the concepts and issues of contemporary social change. This unit provides students with opportunities to investigate and analyse these issues, their opportunities and their impacts and to develop skills in analysis, research and reporting, and online discussions.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HUB222

HHB112 Australian Politics

This unit considers the following: the political life of the Australian citizen; the democratic political traditions and institutional bases of Australian political life; the process by which political decisions are made at all levels of Australian politics.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HUB694

HHB113 Interpersonal Communication

This unit introduces skills and processes of interpersonal communication as modified by culture, gender and power. Microskills are developed including building rapport, reflective listening, questioning to understand, facilitating and advocating for clients of human services. Interviewing skills and skills in group communication are highlighted. Collaborative models are emphasised and special

application includes third party involvement in communication.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Kelvin Grove **Incompatible with:** PYB052, HSB052

HHB114 Introduction To Human Rights And Ethics

Students studying this unit will have the opportunity to explore a range of national, regional and international human rights issues. It includes an examination of the relationship between human rights and contemporary global issues including climate change, poverty, terrorism and religious intolerance. It offers the opportunities to investigate thematic concerns relating to the human rights of women, indigenous peoples and minority groups as well as specific topics such as human trafficking, harmful cultural practices, workers rights and child soldiers. The unit draws on a number of academic disciplines and makes extensive use of the Internet and information and communication technologies. There are a number of interesting options open for assessment.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Kelvin Grove **Incompatible with:** HSB002

HHB115 Human Identity And Change

This unit includes: what it means to be human; ways human identities (for example 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.

Contact hours: 3 per week **Campus:** Kelvin Grove and Carseldine **Incompatible with:** HUB601

HHB116 Applied Skills And Scholarship

This unit aims to introduce students to key aspects of important generic attributes which QUT graduates are expected to acquire across the period of their studies. The unit covers a range of topics relating to information literacy, academic literacy, and technological literacy. These topics are addressed in a practical way so that students will easily be able to apply the skills learned across other units in their course. Students have the opportunity to develop their skills through a series of activities such as self-paced online interactive exercises, quizzes, links and information. A variety of assessment items are spread across the semester.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HUB000

HHB117 Introduction To Social Research Methods

The capacity to analyse, critique, and understand the logic of social research is a core skill within social science. The initial emphasis of the unit is on becoming a good consumer of research through the adoption of a critical approach to the reading and utilisation of research. This unit is also designed to develop basic research skills and to prepare students for post-graduate research. Social scientific knowledge, its uses and ethical implications, as well as various approaches to social science research design are covered in this introductory level research unit.

Contact hours: 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB222

HHB120 Ethics, Law And Health Care

Nursing practice involves making decisions with and for others. This involves 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Incompatible with:** HUB009

HHB121 Interpreting The Past

This unit examines how the history discipline deals with the past, including questions of evidence and interpretation. It investigates, from a critical perspective, the status and value of historical knowledge, its construction, dissemination and meaning.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Carseldine **Incompatible with:** HUB649

HHB122 Colonialism And Independence In Asia Pacific

This unit is a general introduction to the history and geography of the Asia-Pacific region with a focus on the impacts of western imperialism, nationalism and economic modernisation. The unit also considers issues of population, the environment and urbanisation.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HUB610

HHB123 Indigenous Australian Culture Studies

This unit encourages an appreciation of the two distinct indigenous cultures of Australia and how external forces to Aboriginal and Torres Strait Islander cultures caused social, economic and political changes. It looks at traditional family life and organisation.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Carseldine **Incompatible with:** HUB700, HHB227

HHB127 Environment And Society

This unit includes a geographical systems approach to investigations of the natural and social environments, and human-environmental interactions. The emphasis is on explaining spatial patterns and variability in social and natural landscapes through the understanding of physical, social and cultural processes and systems at regional and local spatial scales. Through practical sessions, the acquisition of basic geographical field and mapping skill is fostered.

Credit points: 12 **Campus:** Carseldine **Incompatible with:** HUB201, HHB227

HHB200 Working In Human Service Organisations

This unit includes the following: service quality and the organisational dimension; industrialisation and development of human service work organisations; power based and

empowering organisational paradigms; organisational cultures and gender; personal skills for human service workers including career, time and stress management; interpersonal skills for working collaboratively and resolving disagreement.

Prerequisite(s): HSB110, HSB120 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Incompatible with: HSB211

HHB204 Child And Family Services: Introduction

This unit is designed to introduce second year students to child and family welfare studies and focuses on approaches to supporting families and promoting change. Initially students will gain an overview of issues facing contemporary Australian families that contribute to family adversity and examine responses to the welfare needs of children and families, including Indigenous families. Students will then critically examine characterisations of successful family relationships and parenting, theories on causes and effects of domestic violence and child maltreatment and the effect of maltreatment on children.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB214

HHB206 Disability Services: Introduction

This unit links social justice, human rights and empowerment philosophies underpinning courses in the School. It examines the implications of these broad principles in the lives of people with disabilities. The unit explores the theoretical, social and political frameworks for analysing and understanding disability, the principles underpinning current service provision and their impact on the lives of people with disabilities using the service. Also explored are the cultural values and assumptions about disability, and the processes by which these values are translated into human service activity. Finally, the unit examines individual program planning and skill development practices.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB216

HHB207 Services To Young People: Introduction

This unit provides an introduction to human services practice with young people. It gives students an overview from both theoretical and operational perspectives. The various theoretical and popular understandings about 'youth' or 'adolescence' which condition human services provision to young people will be critically explored. Diversity and marginalisation among young people in relation to socio-economic status, gender, race and ethnicity, disability, sexual identity, and geographic location will be examined. The unit briefly overviews contemporary policies, services, and practice frameworks oriented to young people.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB217

HHB208 Introduction To Practice

Human services professionals are required to demonstrate competency in a number of core areas including, 'Use of Self and Relationship Skills', 'Needs Assessment and Interventions', 'Values and Ethics', 'Working in the Context of the Organisation', 'Basic Workplace Practices and Skills', and 'Professional Development'. These are the six core

competencies of Human Services practice which underpin human service degrees at QUT. This unit is designed to provide students with the opportunity to gain an introductory understanding of organisational and practice related knowledge by undertaking a practice experience at a human services agency totalling 140 hours.

Prerequisite(s): HHB100, HHB113 **Corequisite(s):** HHB209 **Credit points:** 12 **Campus:** Kelvin Grove
Incompatible with: HHB201

HHB209 Developing Professional Frameworks

In this unit students are required to attend a series of seminars/workshops that have been designed to provide them with the opportunity to gain specific knowledge and process skills for development of an initial framework for professional practice.

Prerequisite(s): HHB100 Introduction to Human Services and HHB113 Interpersonal Communication

Corequisite(s): HHB278 Practice Theories, HHB279 Intervention Processes and Methods **Credit points:** 12

Campus: Kelvin Grove **Incompatible with:** HHB201

HHB210 Indigenous Australia: Country, Kin And Culture

This unit aims to expand understanding of issues of importance to Indigenous people and to relate those issues to the practices in human service agencies. The Oodgeroo staff and leaders from the Indigenous community will work with staff from Social Work and Human Services in presenting this unit.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB233

HHB211 Casework And Case Management

Casework and case management are the predominant human services practice methods and involve a range of processes and skills to ensure that service outcomes are effective and efficient. This unit compares and contrasts casework and case management strategies and approaches across a variety of practice contexts and scenarios. Students explore and analyse primary skills, tasks and roles including assessment, referral, brokering, review, advocacy, record keeping and workload management. Key learning strategies include problem based learning and the review, design and modification of a case management system for a particular practice context. Assessment is a scenario based exam and project paper.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB230

HHB212 Community Work

Community work as a distinct intervention skill is defined. The unit provides 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB320

HHB213 Social Policy Processes

This unit includes the following: conceptualising economic, structural change in Australia; understanding emergent ideas about state and society; identifying and contrasting

alternative social policies and strategies. The major debates in Social Policy are explored. Analyses of Australia's response and the impact on redistribution in the Welfare State. Current analyses of health, housing, income security, immigration and family policies at federal, state and local government level.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB231

HHB214 Team Practice and Group Processes

A significant methodology used in human service work involves facilitating, supporting or consulting with various groups of people. This unit focuses on the development of skills to utilise this type of intervention appropriately. The unit aims to provide a basic understanding of the various uses to which group processes may be applied. Group work is located as an intervention process within the human service arena as distinguished from other processes at individual, community and societal level.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB232

HHB216 The Human Dimensions Of Space

This unit is a component of the Community Studies major and covers the role of space in contemporary societies: key types of spaces and patterns in their usage; spaces as sites for cultural and symbolic expression; understanding the way inequality can and is reproduced through the configuration and management of space; understanding the way particular public spaces are used and experienced by particular sections of the community eg young people; key issues in public space configuration, management and policy eg enhancing social inclusion, safety and security; links between the economic and social, new urbanism; emerging theory and ideas about good practice in the development or reconfiguration of public and community accessed public spaces.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB235

HHB217 Conflict Management Skills for Professionals

This unit presents the psychological, relational and social impacts of interpersonal and organisational conflict. It examines relevant theoretical discourses and practice frameworks in order to enhance the student's capacity to manage and resolve conflict. The unit explores the nature and sources of conflict. It also presents a range of conflict management and resolution techniques, including negotiation and mediation approaches. Experiential and action learning exercises are used in order to allow students to trial alternative interventions and practice new skills. The unit is built around an integrated and self-reflective framework.

NOTE for Summer Semester students: Teaching will not commence until January 2010, but some unit information will be available from 16 November 2009.

Credit points: 12 **Contact hours:** 37.5 **Campus:** Gardens Point

HHB218 Social Change: Politics, Policy and Activism

Social activists, including social workers and human service practitioners, commonly work with and on behalf of

disadvantaged persons, vulnerable groups and marginalised communities. While multi-causal, the life circumstances of the disadvantaged, vulnerable and marginalised are heavily influenced by the exercise of political power and policies of government. Accordingly, professional practitioners engaged in social activism need to have a thorough understanding of the structure and processes of government and an appreciation of the 'art' of real world politics - 'realpolitik'- and how this shapes policy change. This unit provides you with an introduction to power, politics and government and serves as a foundation for a range of other units. It explores the relationship between political power and disadvantage and encourages you to consider the political sphere of your profession.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

HHB219 Iranian Society: Culture, Religion and Politics

This unit focuses on questions related to why religion and politics are separated in the western world and yet remain a uniting force in Iran; what are the social change trends in Iran and what influences do the EU, China, Israel, Iraq and the US have in determining Iran's future?

Contact hours: 3 per week **Campus:** Gardens Point

HHB223 Islam and Islamic Societies

This unit provides a valuable learning opportunity for students to explore the origin and development of Islam. It will examine the influence of Islam on various areas of life including social, economic, political and human values. This unit employs a wide range of learning tools to construct a comprehensive and critical understanding of Islam.

Credit points: 12 **Contact hours:** 36 **Campus:** Carseldine

HHB224 Qualitative Research Methods

This unit introduces students to the logic/s, techniques and contributions of qualitative methods. First, it focuses on the processes and logics involved in qualitative research, paying particular attention to theory construction, the inductive method and issues of reliability and validity. The unit looks at these processes with respect to the contribution and logic of the qualitative case study. Students acquire both conceptual and hands on skills in the application of a number of qualitative research techniques. These include ethnography and observational methods, accessing documents through Internet search techniques and the analysis of spoken interaction through conversation analysis.

Prerequisite(s): SSB969 or HUB133 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HUB140

HHB225 Political Sociology

This unit examines a variety of sociological themes which might broadly be termed political. Central to the unit is 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. The unit examines these debates, and considers recent theorisations that have begun to detach power from the state. 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 the compulsory education as the sphere of the reproduction of social relationships will be explored.

Contact hours: 3 per week **Campus:** Kelvin Grove and Carseldine **Incompatible with:** HUB134

HHB228 Environmental Hazards

This unit includes the following: 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HUB207

HHB229 Windows On Japan

The focus of this unit is contemporary Japan and Japanese people. Topics include a geographical overview of Japan, its natural resources and population; contemporary political, social and environmental change; Japan's role in the Asia Pacific region.

Contact hours: 3 per week **Campus:** Kelvin Grove and Carseldine **Incompatible with:** HUB220

HHB230 Political Behaviour

Topics covered include political socialisation and party identification, political culture and ideology, old and new political values, support for minor political parties, political campaigns and political issues, party leaders and local candidates, connections between elite and mass political behaviour and political participation.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HUB126

HHB231 Health, Society And Environment

This unit provides sociological analysis of the health care models and institutions, healing relationships (between patients, nurses and doctors), theories of disease causation, and relationships in illness situations and illness behaviours. It also covers sociology of the body including exploration of the experience of illness and professional practice from the patient's perspectives, the influence of gender, age, ethnicity, social class and disability in their experience and the importance of social and cultural approach to environmental health issues.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HUB127

HHB232 Survey Methods

This unit introduces students to the principles and procedures of survey research using a practical, applied approach that stresses the uses of survey research for investigating a range of different social problems and social science questions. It covers the fundamentals of designing and conducting surveys and then introduces students to the basics of how to analyse survey data once they have been collected. No prior knowledge of or experience with survey research or statistics is assumed.

Prerequisite(s): HUB120, HHB104 or SSB000 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Carseldine **Incompatible with:** HUB130

HHB233 Sex, Gender And 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 are considered with reference to feminist philosophers of science and metatheorists such as Sandra Harding and Dorothy Smith.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Carseldine **Incompatible with:** HUB131

HHB234 Sociological Theory

This unit examines the relationship between sociological theories and sociological analysis. It covers a range of theoretical approaches and looks at their application in specific case studies. Students are encouraged to see the social world as an explorable milieu which can be approached from a variety of research strategies. The range of topics are explored in relation to theories of classical sociological authors such as Karl Marx, Georg Simmel, Max Weber and Emile Durkham, as well as many contemporary authors.

Prerequisite(s): HUB120 or HHB104 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HUB133

HHB237 Brisbane in the Twentieth Century

A study of local history often serves to highlight, in a more immediate way, trends which are apparent at the national and international level. This unit focuses on key turning points in the history of Brisbane. It examines sources for and approaches to the study of the history of Brisbane and district and then applies these ideas to selected case studies.

Credit points: 12 **Campus:** Kelvin Grove

HHB238 Asian Cultures And Societies

This is an introductory survey of Asian societies and cultures. It presents the diverse array of cultures, languages and peoples that comprise the many identities of the Asia Pacific region. It aims to introduce students to the environment, the cultures, and the societies of the Asia Pacific at the current time. Focus is placed on the nature of economic and political development in the region and the costs and benefits of that experience.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HUB331

HHB240 Sociology Of Crime And Deviance

Crime, justice and deviance are central features of our social and political lives. A sociological approach to the study of crime and deviance takes it for granted that social values, processes and institutions shape the form and the content of crime and deviance. Students learn about the causes and forms of crime and deviance, and the unit gives students some of the theoretical and methodological skills necessary to collect, interpret and evaluate information about crime and deviance. While this unit is offered as an elective in the sociology major, it deals with one of the core concerns in sociology.

Credit points: 12 **Contact hours:** 3 per week **Campus:**

Kelvin Grove **Incompatible with:** HUB150

HHB242 Pacific Culture Contact

This unit includes key concepts including mobility, religion, morality, leadership, civilisations, society, change and continuity. It develops an appreciation of culture and sensitivity towards cultural heritage and considers case studies and comparative analysis that focus on the people of the Pacific at the time of initial European contact.

Contact hours: 3 per week **Campus:** Carseldine

HHB243 The Pacific Since 1945

This unit examines national identity and nationhood in the context of contemporary events in the Pacific Islands, including indigenous and external attempts to create a regional identity. The major themes are cultural transformation, the invention of tradition, neo-colonialism, sovereignty and independence. Through an overview of the events that are important in the lives of Pacific Island people, the unit presents key concepts including mobility, adaptation, change, tradition, continuity, conflict and independence.

Contact hours: 3 per week **Campus:** Kelvin Grove and Carseldine

HHB244 Southeast Asia In Focus

Australia's interaction with South-East Asia, including our most populous nearest neighbour, Indonesia, has increased dramatically over the last fifty years. This unit examines aspects of South-East Asian geography, environment, society and culture in a contemporary framework.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Carseldine

HHB245 Australia And The South Pacific

This unit includes a 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HUB627

HHB246 Modern China

This unit includes a historical survey of China during the nineteenth and twentieth centuries. The primary focus is 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 force are studied.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Carseldine

HHB248 The USA and The Asia Pacific Region

Despite claims that it was not a colonial/imperial power, the USA had extensive territories - Hawaii, Philippines, Samoa, Micronesia - and historically was active in China, Vietnam, Korea, Taiwan and was the occupation force in post-war Japan. How did the USA acquire this interest in the Asia-Pacific? How was it administered and why did the USA

withdraw? How did Asia-Pacific peoples react to USA control? What role did Asia play in the USA's concept of their Manifest Destiny, the Open Door policy, the Nixon Doctrine and the Cold War? How is the USA situated now in Asia-Pacific? This unit addresses these questions from a global, regional and historical perspective.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Carseldine

HHB249 Social Movements In Australia

New social movements in Australia since the 1960s; includes green, women's, peace, indigenous and Third World development movements; comparison with overseas and old social movements.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Carseldine **Incompatible with:** HUB682

HHB250 Australian Geographical Studies

The unit systematically describes and explains the geography of Australia by analysing the distinctive spatial patterns and processes that constitute the Australian landscape. Topics include: the state of the environment, land-use patterns, the rural crisis, settlements and cities, population and societal change, and economic/regional development. Emphasis is on contemporary, issue-based themes.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Carseldine **Incompatible with:** HUB683

HHB255 Indigenous Politics And Political Culture

This unit examines issues and influences underlying the world of indigenous politics: political representation; land rights; health; education; community development; criminal justice; culture and heritage. This unit has an Australian focus with New Zealand and North American comparisons.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HUB703

HHB257 The Classical World

This unit considers the emergence and development of European society from earliest times to 500 AD. It examines the major political, social and economic trends in classical Greek and Roman society.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HHB258 Foundations of Modern Europe

This unit considers the formation of modern Europe from the late Middle Ages to the end of the eighteenth century, the emergence of secularism and the rise of the nation states.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HHB261 Medieval Europe

The Middle Ages constitute a crucial period in the formation of a European identity. The breakdown of the Roman world saw the gradual emergence of a Christian civilisation of striking originality. At the same time, it gave rise to political fragmentation, as well as to the national characteristics and antagonisms that are still part of the European scene today. This unit considers this period and its influences.

Credit points: 12 **Campus:** Carseldine

HHB262 Political Ideologies

This unit considers the political spectrum of the traditional Left-Right-Centre ideologies including Fascism, Conservatism, Liberalism, Socialism, Communism and Anarchism. Cross-spectrum ideologies such as Feminism, Imperialism, Racism and Environmentalism are discussed. The course concludes with reference to post-modernist politics and its implications for the traditional ideological spectrum.

Contact hours: 3 per week **Campus:** Carseldine
Incompatible with: HUB772

HHB264 Public And Professional Ethics

This unit discusses the following: the ethical dimensions of public and professional life; the ethical rights and responsibilities of the individual citizen and the state within a liberal democracy; the ethical responsibilities of institutional and professional agencies and the roles and ethical responsibilities of individual citizens in such agencies.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Carseldine
Incompatible with: HUB751

HHB265 The Just Society

This unit explores how the notions of 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Carseldine
Incompatible with: HUB752

HHB266 Ethical Decision Making

This unit examines the ways in which various decision-making practices can be normally grounded, the practical value of such procedures for human transformation and emancipation, and the ways that decision-making practices either sustain or subvert moral communities.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove
Incompatible with: HUB753

HHB267 Feminism And Ethics

This unit discusses the impact of the feminist movement on ethical and political theory and poses some questions. 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 from men?

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove
Incompatible with: HUB754

HHB269 Ethics, Technology And The Environment

This unit examines how decisions about new technologies and the environment are based not solely on factual evidence but also on ethical judgements. It considers the ethical aspects of various issues: genetic engineering; free-riding problems with 'caring for' the environment; human obligations toward non-human animals; whether wilderness areas have value independent of their value to humans; and whether a proper concern for the environment requires a new 'environment or ecological ethic'.

Credit points: 12 **Contact hours:** 3 per week **Campus:**

Kelvin Grove **Incompatible with:** HUB757

HHB270 Gene Technology And Ethics

Gene technology is poised to revolutionise science, technology, the practice of medicine, and the global economy. Social and public policies must keep up with the science and with public sentiments. Ethical inquiry must identify acceptable rules of public conduct. Processes are called for to balance the vastly divergent perspectives and interests. The introductory unit mirrors the interdisciplinary nature of gene technology and is open to students from all faculties. The unit discusses the nature of ethics and gene technology. It presents select topics of relevance to medical genetics, the environment and the biotechnology industry. Finally, it discusses Federal and State Government policy and strategy.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: HUB831

HHB271 Ethical Theory

In this unit, students are exposed to some of the most common approaches to ethical theorising, including deontology, utilitarianism, egoism and virtue theory. These theories are introduced via both historical and contemporary proponents. Students are made aware of how these broad categories relate to a range of standard theories about political theorising, such as contractarian liberalism or the utilitarianism implicit in much welfare state theorising or economic theorising about justice. Furthermore, students are familiarised with some of the standard positions regarding the question of objectivity in ethics, versus moral or cultural relativism about ethical questions.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Carseldine

HHB274 Human Rights: International And Regional Activism

This unit encourages students to consider the transformative nature of human rights activism at the international and regional level. It examines the international human rights system giving particular attention to the social, political, gender and cultural dimensions of the development of international and regional human rights norms. It critically reviews the effectiveness of the international and regional human rights system in the protection, promotion and realisation of civil, political, economic, social, cultural and development rights. Academic deliberations are located in a number of concrete human rights issues and situations.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Carseldine
Incompatible with: HSB003

HHB275 Human Rights: Australian Activism

This unit encourages students to consider the transformative nature of human rights activism within the Australian domestic context. It examines the relationship between the international human rights system and the domestic human rights regime. The unit gives particular attention to the social construction of rights and examines Australian human rights from political economy, gender, power, cultural and indigenous perspectives. It critically reviews the effectiveness of the domestic human rights system in the protection, promotion and realization of civil, political, economic, social, cultural and development rights.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB005

HHB276 Indigenous Knowledge: Research Ethics and Protocols

This unit provides students with a critical examination of the major ethical and moral issues arising from the designing and conducting of research 'on/in' Australian Indigenous people/communities or issues. The unit examines the calls by Indigenous researchers for the decolonising of research methods - a process which critically examines the historical and philosophical bases of Western research and the frustrations of Indigenous researchers with various Western paradigms, academic traditions and methodologies.

Credit points: 12 **Campus:** Kelvin Grove

HHB277 Ethical and Legal Dimensions of Human Services and Social Work

This unit aims to produce graduates who have a comprehensive knowledge of the ethical and legal dimensions of human service practice and an understanding of the relevance of such dimensions for professional practice and the empowerment of the disadvantaged.

Credit points: 12 **Campus:** Kelvin Grove
Incompatible with: HHB222

HHB278 Practice Theories

This unit is intended to enable you to develop an understanding of the major theoretical approaches (practice perspectives, practice theories and practice models) underpinning human service practice and critically examine the way theoretical concepts and disciplinary knowledge inform intervention process.

Credit points: 12 **Campus:** Kelvin Grove
Incompatible with: HHB220

HHB279 Social Work Processes and Methods

This unit is intended to enable students to develop knowledge and application skills in core human service practice processes and methods. It aims to orient students to core human service and social work practice processes and methods and enable them to appropriately use these.

Credit points: 12 **Campus:** Kelvin Grove
Incompatible with: HHB221

HHB282 Advanced Communication For Human Services and Social Work

This unit aims to facilitate and enhance students a) understanding of the nature of interpersonal and group interactive processes; b) ability to explore and reflect on their own strengths and limitations for dealing with a variety of situations which can be stressful and highly conflictual; c) initial development of their own practice framework, including assessment and intervention skills and processes and conflict resolution practices; and d) critical evaluation of the applicability and suitability of different interventions for a variety of practice contexts including cross-cultural situations and other differences. This unit is a designated unit for HH05 students.

Prerequisite(s): HHB113, PYB052 or PYB007 **Credit points:** 12 **Campus:** Kelvin Grove **Incompatible with:** HHB215

HHB283 People, Society and Social Work

This unit provides an orientation for social work students to the relevance of sociological and psychological understandings of people and society to social work practice. A range of key themes in the experience of those who use, or are the target of, social work intervention are used as vehicles to consider psychological and sociological foundations to practice. These themes include poverty, exclusion, isolation, motivation, spirituality, conflict, grief and loss, sexuality, addiction, resilience and well-being. The unit concludes with a consideration of the role of social work in various social and cultural contexts.

Credit points: 12 **Campus:** Kelvin Grove

HHB300 Current Developments In Human Services

This unit identifies major forces influencing the direction and nature of the welfare state. It explores the impact of change in welfare state for the contemporary human service industry. The unit identifies emerging trends in human service organisation and delivery, and examines the implications for human service practitioners, service providers, and consumers.

Credit points: 12 **Contact hours:** 2 week block
Campus: Kelvin Grove **Incompatible with:** HSB300

HHB301 Advanced Professional Practice

This unit prepares students for employment by developing and refining their assessment and intervention skills while undertaking a 400 hour vocationally based practice experience supervised by an experienced practitioner. Demonstrated sound and ethical practice abilities are expected of students during an intensive exposure to a range of practice methods, issues and dilemmas. Students and their agency supervisor devise a learning plan, which assesses work performance in six core competencies and a flexible assessment item. Students attend university workshops and complete university requirements including an agency profile, job application and reflective assignment that produces a professional and personal framework for practice.

Prerequisite(s): HHB200, HHB208, HHB209, HHB277, HHB278, HHB279, 1 Skills & 1 Service Context Unit
Credit points: 36 **Campus:** Kelvin Grove
Incompatible with: HSB301

HHB302 Complexity in Human Services and Social Work Practice

This unit aims to orient students to various sources of complexity in contemporary human services practice and equip students with a range of strategies for dealing with this complexity. It aims to enable students to critically evaluate the role of culture in developing responses to complex and high needs and to explore the implications of complexity in their own developing frameworks for practice.

Credit points: 12 **Campus:** Kelvin Grove

HHB304 Child And Family Services: Advanced

The unit includes the following: work with disadvantaged parents, foster carers and adoptive parents; human services responses by 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.

Prerequisite(s): HHB204 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB324

HHB305 Community and Youth Corrections

This unit recognises the need for an overview and understanding of the Queensland community and youth correction systems by Human Service and Social Work practitioners. It provides the legislative framework and structures, processes and principles of the youth and criminal justice system. It explores evidence based interventions and provides practice models and assessment frameworks. It provides theory and practice skills for working with Indigenous people and examines the role of practitioners in Youth Justice Services and the Department of Corrective Services. The unit requires all students to engage in independent and group activity through seminars, to engage in case studies, critical reflection and active discussions.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HHB306 Disability Services: Advanced

This unit builds on concepts and issues introduced in the Disability Services: Introduction unit and is designed to promote understanding of the knowledge required to undertake policy and service development activities within the disability sector. It explores the range of service models relevant to people with a disability across their lifespan. Additionally, it examines the quasi-legal and policy aspects of working in disability service organisations, along with some of the ethical dilemmas inherent in human service provision with particular relevance to people with a disability.

Prerequisite(s): HHB206 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB326

HHB307 Services To Young People: Advanced

Many of the positions available in the human services industry and oriented to young people require specific knowledge, skills and understandings. This unit involves an in-depth exploration of contemporary and emerging areas of direct and indirect practice with young people. Included are early intervention and prevention, youth policy analysis and development, juvenile justice practice, youth and family work, youth health practice, public space practice, accommodation and housing practice, and the interface between human services practice and schools. The unit also examines the legal and ethical dimensions of direct practice as an integral part of the unit.

Prerequisite(s): HHB207 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSB327

HHB315 Sex And Drugs In South-East Asia

This unit focuses on the social, cultural, economic and political impacts of the drug trade and the sex trade in South-East Asia including both the historical dimensions of these phenomena as well as their contemporary aspects.

The unit examines the progress of the trades, the nature of the traders and the political and economic dimensions of these activities, both legal and illegal.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HUB633

HHB316 Social Science Project

Credit points: 24 **Campus:** Kelvin Grove

HHB319 Child Protection Intervention Skills

This unit will focus on the development of skills for assessment and intervention to safeguard the welfare and rights of children and young people in families where personal and environmental challenges compromise the child or young person's safety. Particular attention will be paid to skills and processes necessary for maintaining a child-focused approach when working with families who have multiple and complex needs.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HHB320 Independent Project 1

This unit is designed to develop research and writing skills, and is available within the BA degree, enabling students to engage in a small-scale research project.

Credit points: 12 **Campus:** Kelvin Grove **Incompatible with:** HUB954

HHB321 Independent Project 2

This unit is designed to develop research and writing skills, and is available within the BA degree, enabling students to engage in a small-scale research project.

Credit points: 12 **Campus:** Kelvin Grove **Incompatible with:** HUB955

HHB323 Fieldwork Studies

This unit is generic for students undertaking 12 cp of study in overseas, supervised fieldwork mode. This unit provides a general framework for fieldwork study that can be adapted to a variety of contexts, particularly for fieldwork studies in Asia and Pacific regions.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HHB328 Researching Applied Ethics

This unit examines the different methods that characterise contemporary research in Applied Ethics. The historical emergence of Applied Ethics, the key assumptions that underpin the various methodologies, and the current critical debates on method are key topics considered in this unit.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Carseldine **Incompatible with:** HUB758

HHB330 Internship Program

This unit provides an opportunity for students to be placed in an appropriate off-campus situation in work related to their studies.

Credit points: 24 **Incompatible with:** HUB952

HHB338 Social Work Practice and Fieldwork 1

Designated unit. This unit is a vital part of the social work course and a time for students to begin linking the

theoretical component of the course thus far to the human services agency context. The practice unit will provide students with the opportunity to reflect upon their learning goals, and choose appropriate placements where they will develop their role as a professional social work practitioner by undertaking 490 hours of practical work experience. The time in the field will be complemented by university workshops, liaison visits from University staff and peer group experiences. The outcome of this placement will provide students with a sound platform from which to make the important decision about where to undertake their second professional practice placement, thus leading them into the workforce.

Prerequisite(s): HHB100, HHB282, HHB279, HHB283, HHB200, HHB277 **Credit points:** 36 **Campus:** Kelvin Grove

HHB339 Linking Social Work Theory, Ethics and Practice 1

An essential component of developing into a competent social worker is the capacity to reflect on and build a framework for practice. In this unit students are required to attend a series of seminars and workshops that have been designed to provide them with the opportunity to gain specific knowledge and process skills for the development of an initial framework for professional practice. One aspect of competency for later professional development is the capacity to reflect and build upon this framework throughout the students' life as a social worker. This unit provides skills and understandings necessary for this to occur.

Prerequisite(s): HHB100, HHB200, HHB277, HHB279, HHB282, HHB283 **Corequisite(s):** HHB338 **Credit points:** 12 **Campus:** Kelvin Grove

HHB340 Mental Health and Social Work

Appreciation of the mental health dimensions of people's lives is essential for social work practice. This unit develops an appreciation of the social construction of mental health issues together with a basic knowledge of the bio-psych-social aspects of various mental health conditions. These provide a foundation for a critical consideration of the nature of social work practice around mental health considerations and of the interface between social work and other practice roles and disciplines.

Prerequisite(s): HHB278 **Credit points:** 12 **Campus:** Kelvin Grove

HHB341 International Social Work

This unit examines the application of social work to various international, national and regional contexts outside Australia. It critically explores a range of approaches that are utilised in international development, aid and human rights practice and how social work values, knowledge and skills apply to these. This unit forms part of the International Practice Pathway within the Bachelor of Social Work.

Credit points: 12 **Campus:** Kelvin Grove

HHB401 Research Methods For Professional Practice

This unit focuses attention on research methods specifically appropriate to the context of social work practice. Social service organisations are increasingly interested in methods for evaluating and authenticating program outcomes. Furthermore, professionals in these organisations need

processes and procedures to analyse and address practice problems and contribute to the evaluation and development of models for service delivery. This unit equips you with knowledge and skills to investigate models of service and practice questions and to develop recommendations for change. A range of particular methods for developing, evaluating and improving models of social service and social care delivery will be examined.

Credit points: 12 **Campus:** Kelvin Grove

HHB403 Literature Review

This is part of a supervised program in the Honours student's chosen area of specialisation. An assessed critical paper on literature relevant to the Honours dissertation topic is prepared.

Prerequisite(s): HU20, HU22, SS60, SS07 or equivalent **Credit points:** 12 **Campus:** Kelvin Grove
Incompatible with: HUB901

HHB404 Honours Thesis 1

This unit includes the supervised design and initial development of an Honours dissertation leading to completion of a thesis outline, including synopses and projected chapters, and a statement of objectives, methods and sources

Prerequisite(s): HH01, HU20, HU22, SS60, SS13 or equivalent **Credit points:** 12 **Campus:** Kelvin Grove
Incompatible with: HUB902

HHB405 Honours Thesis 2

This unit includes supervised research and writing of the Honours dissertation, normally between 12,000 and 15,000 words.

Prerequisite(s): HH01, HU20, HU22, SS60, SS07 or equivalent, HUB901, HUB902 **Credit points:** 24
Campus: Kelvin Grove **Incompatible with:** HUB903

HHB406 Honours Thesis 3

Credit points: 12 **Campus:** Kelvin Grove

HHB407 Honours Seminar

Credit points: 12 **Campus:** Kelvin Grove

HHB408 Social Work Practice and Fieldwork 2

Designated unit. The Practice and Fieldwork 2 unit is a vital part of the Social Work course and a time for students to cement their framework for professional practice firmly in the reality of social care contexts. This practice unit will provide students with the opportunity to reflect upon their learning goals, re-evaluate the outcomes of their earlier practice experience and choose a final placement where they will further develop their role as a professional social work practitioner by undertaking 490 hours of practical work experience. The time in the field will be complimented by university workshops, liaison visits from University staff and peer group experiences. The outcome of this placement will provide students with a sound platform from which to move from the university setting to the professional practice arena.

Prerequisite(s): HHB338, HHB213, HHB340, HHB302, HHB278, HHB401 **Credit points:** 36 **Campus:** Kelvin

Grove

HHB409 Linking Social Work Theory, Ethics and Practice 2

Students attend a series of lectures and tutorials designed to gain specific knowledge and process skills for the development of an initial framework for professional practice. Students reflect and build on this framework throughout the students' life as a human service practitioner. This unit provides skills for this to occur. The framework in this unit relates to six core competencies of Social Work practice. Social work professionals are required to demonstrate competency in a number of core areas for Human Services practice. (6) including, 'Social Work in Context', Self Reflection and Interpersonal Relationship Skills', Service Care Requirements, Assessment and Intervention', 'Values and Ethics', 'Organisational Processes, Practices and Skills' and 'Professional Development and Critical Evaluation'. Successful practitioners possess a range of competencies in these specific areas and have experience in each, as well as knowledge relevant to the agency and client context.

Prerequisite(s): HHB278, HHB338, HHB339 **Credit points:** 12 **Campus:** Kelvin Grove

HHB411 Advanced Project

This unit is part of the research pathway for the Bachelor of Social Work. Students will enrol in this unit after completing a review of the literature related to their topic area. This unit shifts focus to specifics regarding the design and conduct of a small research project. Students will work with their supervisor as they conduct their study and prepare a project report of between 7000 and 8000 words that integrates work undertaken in this unit and in HHB403 Literature Review.

Campus: Kelvin Grove

HHN001-1 Research Project

Credit points: 12 **Campus:** Kelvin Grove

HHN001-2 Research Project

Credit points: 12 **Campus:** Kelvin Grove

HHN001-3 Research Project

Credit points: 12 **Campus:** Kelvin Grove

HHN001-4 Research Project

Credit points: 12 **Campus:** Kelvin Grove

HHN001-5 Research Project

Credit points: 12 **Campus:** Kelvin Grove

HHN001-6 Research Project

Credit points: 12 **Campus:** Kelvin Grove

HHN001-7 Research Project

Credit points: 12 **Campus:** Kelvin Grove

HHN001-8 Research Project

Credit points: 12 **Campus:** Kelvin Grove

HHN002 Graduate Seminar

Credit points: 12 **Campus:** Kelvin Grove

HHN410 Logic of Social Inquiry

Many postgraduate students are referred to 'research methods' units as part of their coursework. They often find that while these units are excellent for gaining an understanding of the application of specific methods of data collection and analysis, they are left with key questions regarding the overall logic and strategy of the thesis research unanswered. This unit assists students to develop research questions and research designs appropriate for postgraduate theses in the social sciences.

Credit points: 12 **Campus:** Kelvin Grove

Incompatible with: PYB454

HHP006 Disability Services - Graduate Studies

This unit offers the opportunity to extensively analyse, evaluate and respond to developments in the disability area. An ability to reflect on and make considered responses to current Australian developments is enhanced as students engage in in-depth analysis and collaborative critique of national and international provisions made to address issues concerning people with disabilities. Exploring areas of interests will promote skills of critical analysis and the ability to apply current research and debate within the disability arena.

Contact hours: 3 per week **Campus:** Kelvin Grove

Incompatible with: HSP426

HHP007 Youth Services - Graduate Studies

This unit equips students with the ability to evaluate and respond to developments in services to young people through comparative analysis of changes and continuities in policies and practices. Students will discern key human service concepts and identify how these operate in selected service contexts in both national and international settings. Issues associated with evidence building for policy and service developments are addressed. Students identify their own knowledge needs and explore concerns arising in contexts they know about in order to enhance skill development and transfer, in particular the informed application of research.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSP427

HHP011 Critical Issues In The Human Services

This unit identifies critical contemporary issues impacting upon the human services industry in particular. The contemporary environment in which human services exist is creating sets of tensions which have the potential to both seriously challenge and radically reorder and reconstruct service delivery and professional practice. The unit is designed to explore and develop comprehension of the issues, and their implications for the specific domains of service delivery of the proposed research projects and/or areas of interest of participants.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSP411

HHP012 Leadership In The Human Services

This unit explores conceptions of and skills in leadership to enable participants to provide effective leadership in human service contexts. It reflects an increasing awareness that leadership is of central importance in the development and management of governments and community organisations, and in energising and enabling community groups to identify and meet their needs. Underlying this unit is the notion that leadership, as currently conceptualised, is not simply the task of those in positions of responsibility but all involved in the development and delivery of services.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSP412

HHP013 Managing Human Service Organisations

This unit creates an awareness of the issues and challenges faced by the human service manager and improve knowledge of the functions and techniques of management. As well as developing an understanding of the application of these management techniques to human services, the unit recognises the influence between the quality of management and the quality of service provided to service users. It builds competency in becoming effective human service managers.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSP421

HHP015 Contracting and Policy in the Human Services

Service delivery systems in the community services industry are in the process of being restructured. The primary dynamic carrying the process is the imperatives of understanding performance and accountability between purchasers (governments) and providers (non-state agencies). Contracts are an important part of these changes. To date, there is little experience in the industry of the management of a contract regime or its implications for service delivery outcomes. This unit is designed to convey key skills in managing contracts from both the purchaser and provider side of the equation.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** HSP423

HHP020-1 Human Services Practice Related Research

Students explore an issue from their practice or the field using research and scholarship.

Credit points: 24 **Campus:** Kelvin Grove

HHP020-2 Human Services Practice Related Research

Students explore an issue from their practice or the field using research and scholarship.

Credit points: 24 **Campus:** Kelvin Grove

HHR501 Social Science Methods for the Knowledge Society

This unit provides an in-depth treatment of a number of key methodologies in the social sciences, humanities and human services. The unit builds on core methodological knowledge and aims to supply the student with the tools to embark on professional practice projects. The unit builds on material presented in HHN410 The Logic of Social Inquiry,

enabling students to explore chosen methodologies in greater detail.

Credit points: 12 **Campus:** Kelvin Grove

HHR510 Conference Presentation 1: Networking and Presentation

This unit develops students' skills in summarising, reporting and communicating doctoral-level research. The unit accompanies the development and completion of the first professional practice project, and is designed in order that students can learn how to disseminate the results of that project. The unit also focuses on a variety of other issues in the communication and dissemination of professional practice, including mentoring and networking, and leadership roles in the professions.

Credit points: 12 **Campus:** Kelvin Grove

HHR520 Conference Presentation 2: Professional Networks

This unit develops the skills learned in HHR510; however, while that unit focussed on academic forums for the presentation of research and the development of research networks, this unit concentrates on the translation of doctoral-level research for work-based settings. This unit develops students' skills in summarising, reporting and communicating doctoral level research.

Prerequisite(s): HHR510 **Credit points:** 12 **Campus:** Kelvin Grove

HHR530 Conference Presentation 3: Academic Networks

This unit focuses on the presentation of high level, complex work, to an expert audience. The unit develops the emphases in HHR510 and HHR520 on networking and on the translation of findings to professional colleagues; however, in this, the emphasis is on the translation of research findings to an academic audience.

Prerequisite(s): HHR520 **Credit points:** 12 **Campus:** Kelvin Grove

HHR551-1 Professional Practice Project 1 1/4

The professional practice project allows students to work with supervisors on the first professional project for the Doctor of Social Science. The professional project will deal with project planning, project implementation and project evaluation. The project will be designed to fit the scale, scope and focus of 48 credit points.

Credit points: 12 **Campus:** Kelvin Grove

HHR551-2 Professional Practice Project 1 2/4

The professional practice project allows students to work with supervisors on the first professional project for the Doctor of Social Science. The professional project will deal with project planning, project implementation and project evaluation. The project will be designed to fit the scale, scope and focus of 48 credit points.

Credit points: 12 **Campus:** Kelvin Grove

HHR551-3 Professional Practice Project 1 3/4

The professional practice project allows students to work with supervisors on the first professional project for the Doctor of Social Science. The professional project will deal with project planning, project implementation and project

HHR571-8 Professional Practice Project 3 8/8

This project provides for students to work with supervisors on the third professional project for the Doctor of Social Science. The project will deal with project planning, project implementation and project evaluation. The project will be designed to fit the scale, scope and focus of 96 credit points.

Prerequisite(s): Part 2 of course (HHR561-4, HHR520)

Credit points: 12 **Campus:** Kelvin Grove

HLN405 Qualitative Research

This unit addresses a range of qualitative methodologies and methods which represent alternative approaches to the application of the quantitative paradigm in health science research. The predominance of the natural sciences in nursing/health research has come into question in recent times and thus the unit introduces students to the origins of such challenges, to the knowledge bases of the alternative approaches to investigating the microsocial world of health/illness and to the relevant research methods. The unit comprises a series of lectures, seminar presentations and relevant readings.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

HLN700 Thesis

The thesis provides an opportunity to formally extend and synthesise knowledge gained in earlier semesters of the program. Coursework conducted in the area of specialisation may be applied in a practical manner reflecting a student's specific interest in health science. The work represents an independent and original piece of research completed under the guidance of a supervisor. The thesis may be a report on research that makes a contribution to knowledge, or a study in which students critically analyse and appraise existing knowledge and produce observations and conclusions of value to the field concerned.

Prerequisite(s): Completion of coursework **Credit points:** 48 **Campus:** Kelvin Grove and External

HLN701 Independent Study

Independent Study allows students to study a topic which is not otherwise available as a formal unit. Students have the opportunity to pursue their studies relatively independently and to develop and practice skills in problem identification, evaluation and/or critical thinking. The study may be for example a critical literature review, an examination of guidelines or an evaluation. The process and outcomes are negotiated in a contract with a supervisor.

Credit points: 12 **Campus:** Kelvin Grove and External

HLN703 Project A

An important aspect of postgraduate development is the opportunity to engage in research or project work in a specialist field of study in industry or as a component of consultancy work. Working in industry or a health-related agency, locally or internationally, can provide students with valuable work experience and develop skills and expertise that advances their profession or the particular industry involved. The research option enables students to work independently under the guidance of a supervisor. The

research may be a report that makes a contribution to knowledge or a study in which the student critically analyses existing knowledge and produces observations and conclusions of value to the field concerned.

Credit points: 24 **Campus:** Kelvin Grove and External

HLN704 Project B

An important aspect of postgraduate development is the opportunity to engage in research or project work in a specialist field of study in industry or as a component of consultancy work. Working in industry or a health-related agency, locally or internationally, can provide students with valuable work experience and develop skills and expertise that advances their profession or the particular industry involved. The research option enables students to work independently under the guidance of a supervisor. The research may be a report that makes a contribution to knowledge or a study in which the student critically analyses existing knowledge and produces observations and conclusions of value to the field concerned.

Prerequisite(s): HLN703 **Credit points:** 24 **Campus:** Kelvin Grove and External

HLN706 Advanced Quantitative Research Methods

The content of this unit builds on the basic statistics background assumed of students. A unifying theme is the concept of sources of variation in collected data, how proper design of study and measurement instruments minimises some sources of variation (error), how analytical techniques account for other sources, and finally the issue of introduced error that cannot be accounted for, but must be addressed in discussion of results. Analytical strategies for modelling health data are compared, and practical experience focuses on the analysis and interpretation of various data sets.

Prerequisite(s): HLN705 or PUN105 **Credit points:** 12

Contact hours: 4 per week **Campus:** Kelvin Grove

HLN708 Project

This 48 credit point project extends the range of applied investigative options for the Master of Health Science students to undertake. The project is designed to be a workplace-based unit that enables students to undertake a concentrated applied project in a specific area of interest in the workplace and to combine work and study requirements. It enables students to concentrate on a specific area of interest and to apply intellectual rigour to that area to complete a project of work at an advanced level.

Credit points: 48 **Campus:** Kelvin Grove and External

HLN710 Fundamentals of Epidemiology and Research Design

This unit introduces you to the fundamentals of epidemiology and quantitative research design. It addresses the collection and interpretation of epidemiological data, introduces measures of disease occurrence and association, and contemporary issues of major importance in health. It provides you with essential skills for logical, scientific assessment of the health and medical literature. There will be a strong emphasis on applying concepts through critical reading of the literature and the development of a comprehensive research proposal as the main practical exercise of the unit.

Credit points: 12

HLN711 Advanced Qualitative Methods

This unit offers you the opportunity to study, explore and understand a range of qualitative methods. The focus is on the development of rigorous qualitative research design and on planning and undertaking data collection, data analysis, interpretation and reporting of qualitative research. The aim is to advance student knowledge and skills in relation to the methods of qualitative research and to foster essential skills in collecting, coding, analysing and reporting qualitative research.

Credit points: 12

HLN720 Clinical Education in Health

This unit is to introduces you to principles and practices designed to facilitate learning in the clinical context. Completion of the unit will enable you to differentiate between clinical supervision and clinical education, and relate to this to your own field of practice; demonstrate knowledge and understanding of models/theories of clinical education and their application within your own field of practice; demonstrate knowledge and understanding of concepts and principles related to learning, teaching and assessment in the clinical context; apply concepts and principles related to clinical learning, teaching and assessment to your field of practice; reflect critically on your learning in this unit and its implications for your future practice.

Credit points: 12

HLN750-1 Thesis

Students undertake original research 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. HLN750-1 and HLN750-2 are the part-time version of HLN700.

Credit points: 24 **Campus:** Kelvin Grove

HLN750-2 Thesis

Students undertake original research 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. HLN750-1 and HLN750-2 are the part-time version of HLN700.

Credit points: 24 **Campus:** Kelvin Grove

HLP101 Advanced Discipline Readings

This unit is a compulsory component of the Faculty of Health Honours programs. It 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 in the unit.

Corequisite(s): HLP103 **Credit points:** 12 **Campus:** Kelvin Grove

HLP102 Research Seminars

This unit is a compulsory component of the Faculty of Health Honours programs. Content includes the preparation and completion of a seminar presentation in a professional and scientific manner and attendance at scheduled

seminars.

Prerequisite(s): HLN706 or HLN405 (nursing students must complete both) **Corequisite(s):** HLP103 **Credit points:** 12 **Campus:** Kelvin Grove

HLP103-1 Dissertation

This is a compulsory unit in the Faculty of Health Honours programs. It is broken into a number of components that are completed over successive semesters (as appropriate for full-time or part-time course structure). The dissertation study represents an independent piece of research completed with the guidance of a supervisor.

Corequisite(s): All other units in the program **Credit points:** 12 **Campus:** Kelvin Grove

HLP103-2 Dissertation

This is a compulsory unit in the Faculty of Health Honours programs. It is broken into a number of components that are completed over successive semesters (as appropriate for full-time or part-time course structure). The dissertation study represents an independent piece of research completed with the guidance of a supervisor.

Corequisite(s): All other units in the program **Credit points:** 12 **Campus:** Kelvin Grove

HLP103-3 Dissertation

This is a compulsory unit in the Faculty of Health Honours programs. It is broken into a number of components that are completed over successive semesters (as appropriate for full-time or part-time course structure). The dissertation study represents an independent piece of research completed with the guidance of a supervisor.

Corequisite(s): All other units in the program **Credit points:** 12 **Campus:** Kelvin Grove

HLP103-4 Dissertation

This is a compulsory unit in the Faculty of Health Honours programs. It is broken into a number of components that are completed over successive semesters (as appropriate for full-time or part-time course structure). The dissertation study represents an independent piece of research completed with the guidance of a supervisor.

Corequisite(s): All other units in the program **Credit points:** 12 **Campus:** Kelvin Grove

HLR710-1 Research Project

The Doctor of Health Science prepares graduates to be leaders in their professions. The degree incorporates a large research component which may be a single large research project or a portfolio of approved related smaller projects. The research is designed to be strongly grounded in the students' professional practice in order to enhance and extend critical thinking, synthesis, application of theoretical frameworks and the development of new knowledge at an advanced level in a relevant field. The research can be interdisciplinary, but should apply concepts and principles acquired and developed through the coursework component of the degree.

Prerequisite(s): Completion of coursework component of HLR90 **Credit points:** 24 **Campus:** Kelvin Grove

HLR710-2 Research Project

The Doctor of Health Science prepares graduates to be leaders in their professions. The degree incorporates a large research component which may be a single large research project or a portfolio of approved related smaller projects. The research is designed to be strongly grounded in the students' professional practice in order to enhance and extend critical thinking, synthesis, application of theoretical frameworks and the development of new knowledge at an advanced level in a relevant field. The research can be interdisciplinary, but should apply concepts and principles acquired and developed through the coursework component of the degree.

Prerequisite(s): Completion of coursework component of HL90 **Credit points:** 24 **Campus:** Kelvin Grove

HLR710-3 Research Project

The Doctor of Health Science prepares graduates to be leaders in their professions. The degree incorporates a large research component which may be a single large research project or a portfolio of approved related smaller projects. The research is designed to be strongly grounded in the students' professional practice in order to enhance and extend critical thinking, synthesis, application of theoretical frameworks and the development of new knowledge at an advanced level in a relevant field. The research can be interdisciplinary, but should apply concepts and principles acquired and developed through the coursework component of the degree.

Prerequisite(s): Completion of course work component of HL90 **Credit points:** 24 **Campus:** Kelvin Grove

HLR710-4 Research Project

The Doctor of Health Science prepares graduates to be leaders in their professions. The degree incorporates a large research component which may be a single large research project or a portfolio of approved related smaller projects. The research is designed to be strongly grounded in the students' professional practice in order to enhance and extend critical thinking, synthesis, application of theoretical frameworks and the development of new knowledge at an advanced level in a relevant field. The research can be interdisciplinary, but should apply concepts and principles acquired and developed through the coursework component of the degree.

Prerequisite(s): Completion of coursework component of HL90 **Credit points:** 24 **Campus:** Kelvin Grove

HLR710-5 Reseach Project

The Doctor of Health Science prepares graduates to be leaders in their professions. The degree incorporates a large research component which may be a single large research project or a portfolio of approved related smaller projects. The research is designed to be strongly grounded in the students' professional practice in order to enhance and extend critical thinking, synthesis, application of theoretical frameworks and the development of new knowledge at an advanced level in a relevant field. The research can be interdisciplinary, but should apply concepts and principles acquired and developed through the coursework component of the degree.

Prerequisite(s): Completion of coursework component of HL90 **Credit points:** 24 **Campus:** Kelvin Grove

HLR710-6 Research Project

The Doctor of Health Science prepares graduates to be leaders in their professions. The degree incorporates a large research component which may be a single large research project or a portfolio of approved related smaller projects. The research is designed to be strongly grounded in the students' professional practice in order to enhance and extend critical thinking, synthesis, application of theoretical frameworks and the development of new knowledge at an advanced level in a relevant field. The research can be interdisciplinary, but should apply concepts and principles acquired and developed through the coursework component of the degree.

Prerequisite(s): Completion of coursework component of HL90 **Credit points:** 24 **Campus:** Kelvin Grove

HLR710-7 Research Project

The Doctor of Health Science prepares graduates to be leaders in their professions. The degree incorporates a large research component which may be a single large research project or a portfolio of approved related smaller projects. The research is designed to be strongly grounded in the students' professional practice in order to enhance and extend critical thinking, synthesis, application of theoretical frameworks and the development of new knowledge at an advanced level in a relevant field. The research can be interdisciplinary but should apply concepts and principles acquired and developed through the coursework component of the degree.

Prerequisite(s): Completion of coursework component of HL90 **Credit points:** 24 **Campus:** Kelvin Grove

HLR710-8 Research Project

The Doctor of Health Science prepares graduates to be leaders in their professions. The degree incorporates a large research component which may be a single large research project or a portfolio of approved related smaller projects. The research is designed to be strongly grounded in the students' professional practice in order to enhance and extend critical thinking, synthesis, application of theoretical frameworks and the development of new knowledge at an advanced level in a relevant field. The research can be interdisciplinary, but should apply concepts and principles acquired and developed through the coursework component of the degree.

Prerequisite(s): Completion of coursework component of HL90 **Credit points:** 24 **Campus:** Kelvin Grove

HMB110 Scholarship & Study Skills - HMS

This unit aims to develop specific scholarship and study skills related to the area of human movement studies.

The three broad areas of literacy that will be covered are: technological literacy, information literacy and academic literacy. Students also become familiar with the current nature of the human movement profession and trends within it, and are able to place human movement studies within the context of health care in Australia. The unit provides an essential first stage in the development of key skills and understandings at tertiary level that will form a basis on which subsequent units will build.

Credit points: 12

HMB171 Fitness Health and Wellness

The dimensions and interrelationships of health, physical activity and wellness are studied. Basic principles of conditioning and exercise prescription necessary to demonstrate the impact of physical activity on lifestyle diseases, health behaviours and wellness are examined. Principles and theory of behaviour change are employed.

Credit points: 12 **Contact hours:** 3-4 per week
Campus: Kelvin Grove

HMB172 Nutrition and Physical Activity

This unit is an introduction to principles of nutrition in relation to the physical activity setting, and the role of nutrition and physical activity in weight management. This unit also covers the essential elements of child growth and development (auxology) in relation to nutrition and health. The unit is designed to underpin studies in exercise physiology and sports nutrition.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HMB231 Physical Education Curriculum Studies 1

This unit provides students with a range of understandings and competencies for interpreting and managing the physical education environment for teaching and learning. It assists students to develop competencies needed for lesson planning and teaching at all school levels.

Credit points: 12 **Contact hours:** 3 **Campus:** Kelvin Grove

HMB271 Foundations of Motor Control, Learning and Development

This unit introduces students to the behavioural and neural bases of movement control through an examination of the central nervous and neuromuscular systems, hierarchical control, human information processing and dynamical systems. It covers elements of sensory mechanisms related to movement. Foundations of motor learning and adaptation are introduced, linking underlying mechanisms of learning with principles that may be applied in teaching, coaching and rehabilitation.

Prerequisite(s): LSB131 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

HMB272 Biomechanics

This unit includes the application of mechanics as they apply to Human Movement including: kinematics and dynamics of human body models; quantitative analysis; impact; work and power; fluid dynamics; material properties.

Prerequisite(s): LSB131 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

HMB273 Exercise Physiology 1

This unit describes the immediate physiological responses to exercise, and the adaptations that occur with long-term exercise training. Exercise places a demand on the human body to provide sufficient energy to perform. The metabolic, hormonal, cardiovascular and pulmonary systems must adapt to meet the challenge of homeostasis. The active

skeletal muscle must increase extraction and utilisation of oxygen and other fuels, the cardiovascular system must respond to improved gas and fuel transport, and lung function must change to facilitate increased respiratory gas exchange.

NOTE for Summer Semester students: Teaching will not commence until January 2010, but some unit information will be available from 16 November 2009.

Prerequisite(s): LSB231 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

HMB274 Functional Anatomy

This unit includes the following: 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.

Prerequisite(s): LSB131 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

HMB275 Exercise and Sport Psychology

This unit includes the following: 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.

Prerequisite(s): PYB012 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HMB276 Research in Human Movement

This unit includes principles of research: purposes, philosophy, applications. It addresses quantitative research including basic statistics, descriptives, ANOVA, correlation, regression and non-parametrics, and basic research design hypothesis testing. Qualitative research includes methodology, data collection, and theory building. Research presentation includes: writing a research report and developing conclusions. This unit also considers application of research, examples in human movement, related literature, computer data analysis, and information retrieval.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HMB277 Exercise and Sport Nutrition

This unit considers the relationship between nutrition and exercise and physical activity. Areas covered include dietary and energy requirements in exercise and sport and substrate utilisation at the cellular level during exercise. The influence that nutrition has on performance via changes in body composition, fuel utilisation, blood biochemistry and ergogenic aids will also be covered. Nutritional supplements and water and electrolyte balance in exercise and sport are also part of this unit.

Prerequisite(s): HMB172 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HMB278 Biological Aspects of Physical Education

This unit provides an opportunity for critical inquiry and analysis of human movement from a multidisciplinary perspective. The integration of the human movement

principles of sub-disciplines (functional anatomy, biomechanics, motor control, sociology of sport and physical activity and development) are evaluated and applied to coaching of sport and teaching and learning in physical education.

Credit points: 12 **Campus:** Kelvin Grove

HMB282 Resistance Training

This unit aims to equip students with the basic knowledge, skills and competencies required for exercise prescription in resistance training for muscular fitness. Students build on prior knowledge of biomechanics, anatomy, physiology and motor control to develop understanding of the mechanical and physiological determinants of muscular fitness. The unit incorporates a blend of theoretical background, practical knowledge and skills in the main areas of muscular hypertrophy, strength, power and endurance. This understanding is then used to critically analyse resistance training programs.

Prerequisite(s): HMB271 **Credit points:** 12 **Campus:** Kelvin Grove

HMB292 Health Education Curriculum Studies 1

This is the initial unit in a series of three Health Education Curriculum units. Students are introduced to current health education curriculum documents with a specific focus on the Queensland Education System. The unit also provides students with a range of competencies for interpreting and managing the health education classroom as a complex social environment for teaching and learning.

Credit points: 12 **Contact hours:** 3 **Campus:** Kelvin Grove

HMB300 Teaching Primary HPE

This unit provides students with knowledge of how to integrate Health and physical education within the other key learning areas. Students learn the connection between physical activity and health and its role in meeting the developmental needs of children. Additionally, they participate in a range of learning experiences appropriate to the developmental needs of children and acquire the skills necessary to safely deliver student learning in an open environment. Topics include principles of the health and physical education years 1-10 syllabus; motor skill development and ability related expectations for teaching HPE; planning for quality instruction and linking physical activity with health; planning and teaching HPE; classroom management and safety issues.

Credit points: 12 **Campus:** Kelvin Grove and Caboolture

HMB305 Personal Health

Lifestyle is largely determined by an individual functioning in a socio-environmental context that places some limitations on choice and resultant health. This unit is designed to assist individuals to develop a positive self-concept, a sound knowledge of lifestyle issues and their implications, and decision-making skills necessary to make wise choices.

The focus of this unit is the development of such qualities for personal maintenance and improvement. Movements in this direction are achieved by analysing the processes involved in developing individuals capable of taking control

of their lifestyles and resultant health. Much of this analysis will be self-focused.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HMB313 Socio-Cultural Foundations of Physical Activity

This unit 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.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

HMB314 Performance Skills 1

This unit involves the application of movement principles to the analysis and development of techniques in all major swimming strokes, water rescue methods, and track and field events. Students explore teaching strategies, motivational, conditioning and training activities, the development of learning experiences for various ability levels and event rules application.

Prerequisite(s): HMB315 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Kelvin Grove

HMB315 Performance Skills 2

In this unit 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 movement knowledge and skills to suit game situations and on learning appropriate strategies for teaching and coaching selected games.

Credit points: 12 **Contact hours:** 6 per week for 9 weeks **Campus:** Kelvin Grove

HMB331 Physical Education Curriculum Studies 2

This unit extends the principles of professional practice established in the first curriculum studies unit and further encourages students to develop a critically reflective approach to teaching. Students learn how to extend professional practice with a range of understandings and competencies for interpreting and managing the health and physical education classroom as a complex environment for teaching and learning and develop competencies needed for planning and teaching a range of health and physical education units of work. Current health and physical education curriculum documents are explored.

Prerequisite(s): HMB231 **Credit points:** 12 **Campus:** Kelvin Grove

HMB333 Child and Adolescent Health

This unit focuses on the wide range of factors that impact on the health of individuals in the two crucial stages of life: childhood and adolescence. An analysis is made of knowledge, beliefs and skills required for promoting health-enhancing behaviours during these ages and experience is provided on some of the skills needed to assess and maintain the health status of children and adolescents.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HMB337 Organisation and Management In Physical Education And Sport

School physical education departments and sporting associations are medium-sized organisations requiring direction for servicing a large client base. In this unit students examine the role of administrators and the administration of monies, facilities and human resources in a school physical education and sports setting.

Prerequisite(s): HMB231 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HMB361 Functional Anatomy 2

This is 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; research techniques in functional anatomy.

Prerequisite(s): HMB274 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

HMB362 Biomechanics 2

This unit includes the following: measurement techniques within biomechanics; analysis of force systems; photographic, goniometric and electrographic analysis of movement; an introduction to viscoelasticity and biological materials; material properties; mass and inertial characteristics of the human body; applied aspects of biomechanics undertaken from a research project perspective

Prerequisite(s): HMB272, HMB274 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

HMB363 Independent Study

This unit is offered to meet the specific interest of students beyond content offered within existing units. Students 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.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

HMB371 Motor Control And Learning 2

This is an advanced unit which provides an in-depth view of theories and concepts in motor learning and control; how we control actions in both everyday and skilled behaviours, and how this capability is acquired. This course provides a multidisciplinary perspective, drawing on research from psychology, neuroscience, biomechanics, robotics, neural networks and medicine. The unit is organised around the theme of sensorimotor integration as related to posture and balance, locomotion and arm movements such as reaching, grasping and pointing.

Prerequisite(s): HMB271 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

HMB375 Adapted Physical Activity

In this unit, students carry out the following: adapt physical activity for a variety of physical, sensory and intellectually

disabling conditions and chronic diseases; design and implement programs suitable for these people to improve levels of motor skills and general health and wellness; participate in, and design programs for disabled athletes.

Contact hours: 4 per week **Campus:** Kelvin Grove

HMB376 Motor Development in Children

This unit includes the theoretical perspective of normal and abnormal motor development, incorporating maturational, descriptive and behavioural aspects and the underlying sensory, perceptual, neurological and cognitive changes which influence motor development in children. A theoretical understanding of developmental differences and development delay in children with intellectual, sensory or physical disability. Experience is obtained in developmental and adapted physical activity programs.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

HMB377 Children in Sport

This unit includes the following: 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HMB379 Disorders of Human Movement

This unit introduces a selection of disorders and disease states that limit or alter the capacity for movement and physical activity. Each is described in terms of relevant epidemiology and pathophysiology, emphasising the relationship between each disorder and movement or activity, together with factors affecting this relationship. The unit provides students with a basic knowledge of a selection of movement-related disorders, as a foundation for subsequent applications, whether in research, working with special populations, in rehabilitation, or in other clinical settings. The unit also enhances the ability of students to independently study disorders not covered in the unit.

Prerequisite(s): HMB271 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

HMB381 Exercise Physiology 2

This unit examines the integrated regulation of the organ system examined in Exercise Physiology 1. Within this integrated perspective current research areas will be highlighted, including but not limited to (1) exercise performance and environmental stress, (2) special aids to exercise training and performance, and (3) limitations to exercise in healthy normal individuals, elite athletes and selected patient populations.

Prerequisite(s): HMB273 **Credit points:** 12 **Contact hours:** 3-4 per week **Campus:** Kelvin Grove

HMB382 Principles of Exercise Prescription

In this unit, students examine the physiological principles and methods used in training and conditioning programs at

all levels of physical activity. The integration of fitness assessment and exercise prescription is a major component of the unit, introducing the student to these requirements in the context of aerobic conditioning, resistance training, weight loss and flexibility. There is a strong emphasis on putting theory into practice, including the development and utilisation of appropriate practical skills in both fitness assessment and exercise prescription.

Prerequisite(s): HMB273 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

HMB384 Injury Prevention and Rehabilitation

This unit considers the following: epidemiology and nature of common injuries that occur at home, school, work and during sporting activities; current philosophies of preventative measures and strategies for the treatment and rehabilitation of injuries; the role of health training, exercise and fitness in injury prevention, treatment and rehabilitation regimes; the pathology of injuries and repair processes highlighted by examining specific examples.

Prerequisite(s): HMB274 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HMB396 Health Education Curriculum Studies 2

This is the second in a suite of three Health Education Curriculum units. It is designed to extend students with a range of understandings and competencies for interpreting and managing the health education classroom as a complex social environment for teaching and learning. It helps students to develop those competencies needed for planning and teaching health education units of work. It has an important role in preparing students for the professional practice component of the course, leading to the development of confidence and competence in class management skills, and facilitating the use of post-lesson and post-practicum reflection and evaluation.

Prerequisite(s): HMB292 **Credit points:** 12

HMB431 Physical Education Curriculum Studies 3

This unit develops students' competencies in the effective planning and implementation of school work programs and units of work consistent with the Senior Physical Education Syllabus. It will also develop students' skills and confidence in effective teaching practices specifically related to teaching physical education and will assist them to become independent and reflective learners.

Prerequisite(s): HMB331 **Credit points:** 12 **Contact hours:** 3 **Campus:** Kelvin Grove

HMB470 Practicum 1

In the first of the Human Movement dedicated practicum units, students undertake in-depth experience at two different workplaces (40 hours each) while maintaining ongoing involvement in the School's clinics (20 hours). The student is provided with an extended opportunity to apply classroom learned knowledge and skills under the supervision of Human Movement Practitioners. Workplace involvement is preceded by a vocational skill seminar and workshop program while an interactive analysis program is instigated post practicum.

Prerequisite(s): HMB382 **Credit points:** 12 **Campus:** Kelvin Grove

HMB475 Practicum 2

This unit includes a comprehensive vocational experience undertaken as a supervised full-time internship. Students are supervised in the performance of operational tasks including clinical, management and administration and further develop independent professional skills and knowledge. The internship is followed by a comprehensive reflective analysis of the experience.

Prerequisite(s): HMB470 **Credit points:** 36 **Campus:** Kelvin Grove

HMB480 Advanced Exercise Prescription

This is a companion unit to HMB382, and extends the understanding of how fitness assessment and exercise prescription can be applied to an individual. A number of different disease states, special populations and scenarios are used to examine the potential role of physical activity and appropriately prescribed exercise to maintain and improve functional capacity. A strong emphasis is placed on identifying the problems faced in fitness assessment and exercise prescription for special cases and conditions, and finding appropriate solutions.

Prerequisite(s): HMB382 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

HMB496 Health Education Curriculum Studies 3

This unit extends the principles of professional practice established in HMB292 and HMB396 and further encourages the development of a critically reflective approach to the teaching in that area. It emphasises planning and teaching in the senior secondary school and extends a student's ability to make independent judgments about curriculum decisions within syllabus guidelines and broader systems policies, while considering national and international trends in education and society. The unit also encourages exploration of current issues and emerging and future trends in subject areas.

Prerequisite(s): HMB396 **Credit points:** 12 **Campus:** Kelvin Grove

IBB101 Business in Australia

This unit will introduce international students and students new to Australia to the business environment of Australia. Students will examine historical, socio-cultural, geographical, economic, political and other factors and contemporary issues that impinge upon doing business in Australia. Learning activities include case studies, field studies and industry analysis. Generic skills addressed include teamwork, report writing and presentation skills.

Prerequisite(s): Undergraduate students new to Australia **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB101

IBB202 Fundamentals of International Finance

In this unit students analyse the way international operations and performance of business can be put at risk by changing financial and regulatory conditions across borders and determine how best to manage the exposure to this risk. This unit examines the following: the evolution of the international financial system; the foreign exchange market; the types of foreign exchange rate exposures; managing exchange; translation and consolidation risks;

assessing foreign direct investment targets; comparing the performance of foreign affiliates; operations exposure to regulatory risk of tax; investment and competition policy changes; country risk assessment and managing country risk exposure.

Prerequisite(s): BSB119 or CTB119 or BSB116; and BSB113 or CTB113 or BSB122 or CTB122 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB202, EFB312

IBB205 Intercultural Communication and Negotiation Skills

The course develops students' abilities to identify and resolve problems in cross-cultural communication or negotiation situations where cultural differences have created misunderstandings or undesirable or unexpected outcomes. It first explores the concept of 'national culture' by considering the work of major theorists of cultural value dimensions - from Hall to Schwartz. Students are encouraged to analyse communication/negotiation process issues in terms of these value dimensions and to practise managing the process of communication/negotiation to improve their outcomes.

Prerequisite(s): BSB115 or CTB115 or BSB119 or CTB119 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB205, MGB312

IBB208 European Business Development

This unit focuses on the major factors involved in the development of European business practices, organisational structures and government/business relations. 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; social change. Various countries will be used as case studies to illustrate the topics.

Prerequisite(s): BSB119 or CTB119 or BSB116 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB208

IBB210 Export Management

This unit presents students with information critical for the successful planning, organisation, implementation and control of export operations. The unit is highly applied and covers practical aspects of the production, dispatch and distribution of products for international markets. Specifically the unit addresses legal, documentary, physical and financial challenges to the delivery of goods and services, and to the assured receipt of payment in return for that delivery. The processes of planning, market analysis, information gathering, cooperative arrangements with government and other firms are all considered. Contemporary developments in technological applications and business practices are illustrated.

Prerequisite(s): BSB119 or CTB119 or 96 credit points of approved study **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB210

IBB213 International Marketing

The aim of this unit is to provide students with a thorough understanding of the multiplicity of issues that impact on the development of international marketing strategies and plans and their operational implementation. The unit is highly applied and provides students with the following opportunities: to analyse global international firms, their marketing strategies and various international marketing issues in a variety of geographic and industry contexts; to evaluate methodologies and new practices for handling problems and issues typical of global and international markets and competition; to develop an operationally sound international marketing plan.

Prerequisite(s): BSB119 or CTB119 & BSB126 or CTB126; or BSB116 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB213

IBB217 Asian Business Development

This unit gives students an understanding of the historical foundations of the development of business in East and South East Asia. Material presented includes the traditional economic and social institutions in Asia and their changing impact on business since East Asia's integration into the international economy. Topics studied will include: the evolution of local firms and firm structures; the impact of western business and economic influences; local ideology and development policies; the rapid growth of Northeast Asia, the Asian NICs and ASEAN. The changing impact of the international economy upon business development within selected East Asian economies is a unifying theme of this unit.

Prerequisite(s): BSB119 or CTB119 or BSB116 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB200

IBB300 International Business Strategy

This unit aims to develop student competencies in the analysis of issues and problems encountered by international firms in the formulation and implementation of business strategies. The unit emphasises the connection between core competencies, strategy and corporate performance and uses case studies to analyse the strategic behaviour of global companies. Issues examined include: the forms of international involvement and entry mode strategies; organisational structures, control and cultural diversity; multinational versus global competitive strategies; the formulation and implementation of strategies of international cooperation and strategic alliances; small and medium enterprise (SME) strategies to compete in global markets.

Prerequisite(s): IBB213 or IBB211 or IBB210 or 96 cp of approved study **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** BSB300, MGB330

IBB303 International Logistics

This unit examines international logistics through the concepts of international distribution channels and international supply chain management. Strategy in managing international logistical constraints is emphasised with practical studies of contemporary international supply chain management in international industries. Traditional costs and financial aspects of supply chain management are considered. Contemporary issues are incorporated including: the impact of e-business on international logistics;

the evolution of new technologies for 'smart' packaging, warehousing and international stock control; the combination of international services with goods products; recent technological developments in international transportation and product quality control.

Prerequisite(s): IBB210 or AMB240 or CTB240 or 96 credit points of approved study **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** MIB303

IBB304 Global Industry Analysis

The aim of this unit is to analyse the nature and structure of industry in national and international contexts to provide a suitable framework that can be used by students in the study of specific industries. Topics examined include: inter-industry dependencies; international location advantages; regional and interregional linkages; demand analysis; international transactions in information, goods, services and other products; analysing strategies to control markets through price and product positioning, applying these principles to specific Australian industries conducting international business.

Prerequisite(s): BSB113 or CTB113 and (IBB213 or IBB210 or IBB 211); or 96 cp of approved study **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: MIB212

IBB308 Contemporary Business in Europe

Building on the historical understandings established in the prerequisite unit, this unit analyses contemporary issues relevant to business in Europe. Areas of study include: the growth of regional cooperation in Europe; business and regional cooperation; European Union policies and impacts; challenges of doing business in the emerging markets of Central and Eastern Europe. Case studies of contemporary business activities in Europe including entry to European markets will be used in the analysis.

Prerequisite(s): IBB208 or MIB208 or 96 credit points of approved study **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIB300

IBB311 Globalisation and Theoretical Perspectives on Internationalisation

This unit develops theoretical perspectives of the processes of globalisation and the internationalisation of business firms. It examines the globalisation debates, traces the evolution of international business theory, and provides a critique of the seminal theories. It provides an introduction to the process of research in international business. Aligned with the aims of the unit, students will develop and lead seminars and undertake a review of literature on theoretical and practical issues of globalisation and internationalisation.

Prerequisite(s): BSB113 or CTB113 and BSB122 or CTB122 and (IBB213 or IBB211 or IBB210); or 96 cp of approved study **Contact hours:** 3 per week **Campus:** Gardens Point

IBB312 Special Topic - International Business

This is an 'open-ended' unit where the opportunity will be available for staff and visiting scholars to offer a specialised program of study.

Prerequisite(s): IBB210 or IBB211 or IBB213 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: MIB312

IBB322 Independent Study Project - International Business

This unit enables students to pursue a specific interest beyond the content offered in existing units. In this unit students will undertake a guided course of study in an aspect of international business approved by the Subject Area Coordinator and developed in consultation with an appointed supervisor. The unit may comprise, as established by a learning contract, guided readings, literature critiques, a research paper on a specific topic or a project requiring application of theory to practice. The agreed format of assessment may include a literature review, a research paper, a plan of action, an oral or written examination or a combination of a selection of these items of assessment.

Prerequisite(s): 96 credit points of approved studies and approval of Subject Area Co-ordinator **Contact hours:** 2 per week **Campus:** Gardens Point

IBN403 Business in Asia

The aim of this unit is to enable an intensive study of business and markets in Asia. The development of the major industries is examined, together with major intra-regional patterns of trade, commerce and finance. Significant economic, political and social factors determining developments are focused on, as well as regulatory restraints governing market access. Students are required to undertake a project that requires the application of knowledge of the region to a business issue.

Prerequisite(s): P/G enrolment **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: MIN403

IBN404 Business in Europe

This unit enables 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 focussed 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.

Prerequisite(s): P/G enrolment **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: MIN404

IBN408 Global Business Operations

This core unit examines the forces of globalisation, the diversity of international environments and their impact on business functions at the operational level. It examines the processes and challenges of internationalising the business operation as firms strive to compete successfully in the global marketplaces. Areas of study include the growth of international business and globalisation, international business motives and forms, the nature and challenges of the diversity of environments, and managing and controlling business operations. An international business simulation game is used to facilitate the understanding of business as a system of integrated operations and environments.

Prerequisite(s): P/G enrolment **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: BSN408

IBN409 Negotiating Across Borders

This unit develops students' skills in negotiating intra- and inter-culturally. It provides students with a tool-box of negotiation skills and then explores the relationship between cultural value dimensions and negotiating behaviours. Students practise their negotiating skills with members of their own culture, in cross-cultural dyads and in multi-cultural teams to build confidence and capability in negotiating and influencing.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** GSN462

IBN410 International Logistics Management

This unit introduces international logistics functions and develops a strategic approach to international business transactions and integration focusing on supply chain management. The unit introduces traditional and contemporary logistics concepts and describes international logistics operations including global transport systems, inventory management, materials handling and information management. Global supply chain management cases and strategies are integrated throughout the unit.

Prerequisite(s): P/G enrolment **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point

IBN421 Marketing Internationally

In this unit students are exposed to the theoretical and planning aspects of marketing internationally. Through an applied approach, theoretical issues such as segmentation of international markets, life cycle, contingency and network approaches to international market entry choice, and market development and extension are addressed. Planning issues cover the strategic marketing processes involved, including international market research, and their application to regions and countries primarily in the Asia/Pacific region or Europe. Students are trained in the practical application of these theoretical and planning aspects through the development of an extensive international marketing plan.

Prerequisite(s): P/G enrolment **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: MIN421

IBN422 Independent Study - International Business

This unit enables students to pursue a specific interest beyond the content offered in existing units. In this unit students undertake a guided course of study in an aspect of international business approved prior to enrolment by the Subject Area Coordinator and developed in consultation with an appointed supervisor. The unit may comprise, as established by a learning contract, guided readings, literature critiques, a research paper on a specific topic or a project requiring application of theory to practice. The agreed format of assessment may include a literature review, a research paper, a plan of action, an oral or written examination or a combination of a selection of these items of assessment.

Prerequisite(s): 96cp of approved studies and consent of the Subject Area Coordinator **Credit points:** 12
Campus: Gardens Point **Incompatible with:** Nil

IBN426 Special Topic - International Business

This is an 'open-ended' unit where the opportunity will be available for staff and visiting scholars to offer a specialised program of study.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIN426

IBN435 Business in Australia

This unit introduces students to the business environment in Australia. Students examine the geographical, historical, socio-cultural, political, regulatory, demographic, economic, legal, locational and other factors that have influenced, or still impinge upon, doing business in Australia in the current international environment. Learning activities include factory visits and industry analysis.

Prerequisite(s): Postgraduate students new to Australia
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MIN435

IFN001 Advanced Information Retrieval Skills

Provides postgraduate research students with the skills to implement a thorough literature search in their research area and to contribute to life-long learning skills by improving students information literacy. The seven modules which form this unit include: the literature review, developing a search strategy; using the QUT and other libraries, database services, the Internet and its uses; developing a current awareness strategy; personal file management; evaluating information.

Credit points: 4 **Contact hours:** 12 in total **Campus:** Gardens Point and Kelvin Grove

IFN100 Full-Time Masters Research

This unit provides full-time postgraduate research students with study in a relevant area leading to the development of a thesis. The thesis shall be not fewer than 50,000 words and shall constitute a substantial contribution to knowledge and understanding in the area of the research.

Credit points: 48 **Campus:** Gardens Point and Kelvin Grove

IFN101 Full-Time Masters Research (Extension)

This unit provides full-time postgraduate research students with study in a relevant area leading to the development of a thesis. The thesis shall be not fewer than 50,000 words and shall constitute a substantial contribution to knowledge and understanding in the area of the research.

Credit points: 48 **Campus:** Gardens Point and Kelvin Grove

IFN200 Part-Time Masters Research

This unit provides part-time postgraduate research students with study in a relevant area leading to the development of a thesis. The thesis shall be not fewer than 50,000 words and shall constitute a substantial contribution to knowledge and understanding in the area of research.

Credit points: 24 **Campus:** Gardens Point and Kelvin Grove

IFN201 Part-Time Masters Research (Extension)

This unit provides part-time postgraduate research students with study in a relevant area leading to the development of a

thesis. The thesis shall be not fewer than 50,000 words and shall constitute a substantial contribution to knowledge and understanding in the area of research.

Credit points: 24 **Campus:** Gardens Point and Kelvin Grove

IFN203 Part-Time Masters Research

Credit points: 12

IFN300 Masters Research

Credit points: 36

IFN301 Masters Research

Credit points: 24

IFN302 Masters Research

Credit points: 12

IFN303 Masters Research

Credit points: 8

IFN304 Masters Research

Credit points: 6

IFP100 Knowledge Transfer and Research Commercialisation (Core Unit)

This unit provides you with practical information and builds skills and capacities in the identification of commercialisation opportunities and the implementation of commercialisation processes appropriate to your research.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet **Incompatible with:** Nil

IFP101 Leadership and Workplace Communication

This unit provides you with an understanding of: Introductory theories relating to the dynamics of teams and teamwork, and the communication process.

The practical information and skills to increase the motivation of yourself and others.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet **Incompatible with:** Nil

IFP102 Project Management and Research

This subject allows students to assess, plan and manage a chosen research project as a basis for learning about project management lifecycles and generic project management processes including initiating, planning, executing, controlling and evaluating the project. The subject introduces techniques for managing the project's stakeholders as well as those regarding its scope, time, cost, quality, communication, procurement and risk.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet **Incompatible with:** Nil

IFP103 Public Policy and Research

This unit introduces a number of themes and issues on the relationship between research and public policy; these will help you to better understand the world of public policy. You will become more confident in dealing with that public policy world, whether that be in working within it, seeking to influence it, or trying to obtain something from it.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet **Incompatible with:** Nil

IFP104 Entrepreneurial Foundations

The aim of this course is to help you develop and systematically apply an entrepreneurial way of thinking that will allow you to create and/or identify opportunities that may be commercialised successfully. It is the process of building something from nothing - risk is involved. The course is not about small business or lifestyle business management; it focuses on entrepreneurial and innovative growth-orientated businesses.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet **Incompatible with:** Nil

IFP105 Principles and Practice of Research Management

This unit aims to improve understanding of the range of frameworks, and issues involved in the field of research management including research ethics, research training, research dissemination and multi-partner research collaboration. In exploring these frameworks and issues, the unit will acknowledge the human factors in research organisations and will examine the data management systems and other technologies which underpin the operation of a typical research services unit.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet **Incompatible with:** Nil

IFP106 Managing Research Careers

This unit aims to provide you with an understanding of the patterns of research career development, and of the principles and mechanisms of career self-management. It aims to assist you to develop the analytical approaches to professional development needs of researchers, and the personal skills of effective presentation to employers at various levels in the research and research management fields.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet **Incompatible with:** Nil

IFP107 Global Sustainability

Credit points: 12

IFP108 Strategic Issues in Research Management

This unit looks at:

Initiating and Building multi-partner research collaboration: effective network development; new venture formation; international perspectives

Managing Research Governance: governance frameworks; research codes, compliance and complaints; company directorships, boards, legislation

Managing Research Investment: financing research through diverse revenue streams; the role of incentive schemes; the annual budget cycle

Research organisation development â mission and strategy: strategic planning; achieving buy-in through effective communication; quality assurance and risk management

Prerequisite(s): IFP105 **Credit points:** 12 **Campus:** Internet

IFP109 Contexts For Research & Development Management

Credit points: 12

IFP110 R&D Management Project 1

The R & D Management Project can include any topic within the overall boundaries of the program as it is structured around a learning agreement between a student and a project supervisor. This learning agreement is drafted by the student and negotiated with a supervisor chosen for their ability to supervise in the general topic area.

Credit points: 24 **Campus:** Internet

IFP111 R&D Management Project 2

The R & D Management Project can include any topic within the overall boundaries of the program as it is structured around a learning agreement between a student and a project supervisor. This learning agreement is drafted by the student and negotiated with a supervisor chosen for their ability to supervise in the general topic area.

Credit points: 24 **Campus:** Internet and External

IFR100 Full-Time Masters Research

Credit points: 48

IFR101 Full-Time Masters Research (Extension)

Credit points: 48

IFR200 Part-Time Doctoral Research

Credit points: 24

IFR201 Part-Time Doctoral Research (Extension)

Credit points: 24

IFR300 Doctoral Research

Credit points: 36

IFR301 Doctoral Research

Credit points: 24

IFR302 Doctoral Research

Credit points: 12

IFR303 Doctoral Research

Credit points: 8

INB101 Impact of IT

You will gain an appreciation of the massive and positive impact that IT has had on a wide range of fields including business, science, engineering, education and health. You will learn about the benefits of increased productivity due to IT. You will consider ethical issues and possible negative impacts of IT. You will raise your awareness of the social implications of IT systems for society at the global, local and personal levels. You will develop an informed position on issues, and justify your reasoning with considered supportive arguments.

Prerequisite(s): NIL **Corequisite(s):** NIL **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN361, ITB361

INB102 Emerging Technology

The aim of this unit is to provide you with a conceptual framework so that you clearly identify Information Technologies and their purpose. This task will be fun as it covers a wide spectrum of ideas and allows us to examine some currently popular technologies. Information Technology has become so entwined with everyday life that identifying its scope is difficult, which also makes it difficult to identify opportunities where IT might further infiltrate into our daily lives for work and play. To achieve these aims, the unit introduces you to some of the theories and engineering practicalities that have already resulted in technological advances in the area of information technology. Concepts leading to existing technologies are introduced during lectures, which are followed by laboratory sessions where students will be encouraged to discuss social change, future information tools and explore the concepts required for constructing these technologies.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB005

INB103 Industry Insights

This unit aims to develop your awareness of the career possibilities in the ICT industry and to equip you with some of the essential skills required of an ICT professional. The unit helps you to derive a roadmap for your career; to enable you to identify the qualities, skills and interests you need to possess, to plan your career path. The unit will also introduce you the inter-disciplinary nature of ICT careers.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB002

INB104 Building IT Systems

This team-based unit is an integrated introduction to information technology designed to engage, inspire and inform and will demonstrate the important role that technical system design and development plays in achieving robust operation of a large variety of technological solutions. This unit will give you substantial hands-on, practical learning experiences and will motivate you through engagement in the creative, explorative and meaningful development of technological artefacts that operate in real world contexts.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB001 and ITB003

INB120 Corporate Systems

Corporate Systems Management is a growing area where people can make a difference to the way organisations and societies operate. In key business domains, such as Government, Health, Finance, Utilities and Primary Industries, Corporate Systems Managers play a vital role in directing the socio-technical systems that affect everyone's lives. This unit will help students to gain an overview of these major roles and key business domains in order to set the scene for their future studies and help them to match their emerging professional interests with potential career

directions.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITB360

INB121 Socio-technical Systems

A wide range of technical devices, such as servers, network devices and cross communication devices as well as PDAs, laptops, mobile phones, iPhones etc. are employed to meet the needs of society and organisations. The overall design or architecture that determines the role these devices play is vital to the successful functioning of organisations and holds the key to future innovations in serving the community. This unit provides students with a foundation in the principles that determine the design of these systems, the way they interconnect; how they serve specific clients and purposes and how people and devices interact.

Prerequisite(s): NIL **Corequisite(s):** NIL **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: NIL

INB122 Organisational Databases

Databases are a key feature in modern organisational systems. Stores of data are the prerequisite for organisational knowledge and are the substance of technology applications. Databases underpin all technologies, platforms and application areas such as on-line transactions (e.g. shopping), health information systems, web services, e-government, banking and geographical information systems. Corporate Systems Managers understand how databases are used in business domains and the benefits gained from capturing, storing and retrieving quality data to assist organisational planning and decision making. Professionals who understand the privacy and legislative requirements as they pertain to database security and management are increasingly in demand.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITB362

INB123 Project Management Practice

Successful businesses use Project Management (PM) processes to structure the implementation, upgrades and process improvement activities undertaken within organisations. This unit investigates project management processes and analyses, combines and applies the basic elements and tools of successful projects to ICT cases. With a focus on contemporary organisations, the unit covers activities such as communication and risk management, change management, recording keeping and project reporting. The unit covers practical, relevant and topical PM issues delivered as a complex project activity.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: NIL

INB124 Information Systems Development

IT professionals work with a wide variety of information systems and are increasingly required to interact with other

professionals and understand business domains. In many cases it is necessary to develop custom systems to satisfy business requirements. Problem solving and communication skills and an understanding of programming concepts and logic are required to effectively work with information systems developers. In this dynamic industry, self-managed learning is necessary to remain abreast of technology innovations.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INB180 Computer Games Studies

This unit is designed to give you a clear understanding of the socio-cultural issues that affect the computer game industry. Through critical review of games and games industry literature, playing games and actively participating in classroom discussion you will develop your capacity to join in the discourse about the design, impact and future direction of computer games in our society.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITB750

INB181 Introduction to Games Production

This subject will provide you with knowledge and skills in games production. By gaining an overview of the production process, you will learn how the technology and the people involved integrate into a coherent and efficient manufacturing process. By the end of this subject you will have the knowledge to conceive, create, integrate and optimise tools and personnel into a complete games production system.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INB204 Special Topic 1

This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial development project. The ability to apply technical knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful project management.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INB205 Special Topic 2

This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial development project. The ability to apply technical

knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful project management.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INB210 Databases

The aim of this unit is to help you develop your knowledge, understand a formal specification tool (ORM) for modelling information systems unambiguously and to apply this formal technique to conceptualise information systems found in many real world application domains.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITB004 and ITB115

INB220 Business Analysis

This unit aims to give you an introduction to the role, knowledge, and skills required of a business analyst. This unit focuses on both the tradesâtools and methods used by a business analyst, as well as the soft skillsâcreativity and communication, both of which are critical to successful business and requirements analysis. Through lectures, cases studies and role playing activities, you will develop basic knowledge and skills required for introductory business analysis (BA).

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITN272

INB221 Technology Management

This unit presents operational, tactical and strategic insights that support the activities central to the leadership and management of technology. These insights include project management, organisational leadership, outsourcing, planning, governance and millennium technologies. Such insights are used to inform decision-making - the core skill of any manager. Technology managers must understand the factors influencing any decision point. This unit equips students for the challenges of management and to contribute to the decision-making faced by managers and the staff who advise on these issues.

Prerequisite(s): ITB002 or INB103, ITB360 (or it's equivalent) **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITB366, ITN366, ITB241, ITN241 and ITN251

INB250 Systems Architecture

Contemporary computer-based systems are built from a wide range of technologies working at different levels of abstraction, from microprocessor hardware, to operating system and application software, to entire communications

networks. At each abstraction level different techniques are needed to understand emergent properties of the system. This unit introduces some of the foundational principles commonly used to reason about the behaviour of computer-dependent systems at different levels of abstraction. Such techniques are especially important in the context of safety-, security- or mission-critical systems.

Prerequisite(s): INB102 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITB005

INB251 Networks

Computer systems and communications networks are essential to the activities of modern organisations. When you graduate from a course in Information Technology, employers expect you to have a sound understanding of the terminology and concepts of computer systems, communications networks, and network services. This unit provides you with an introductory study of communications network technologies and network applications. The unit serves as an entry point to further specialised studies in the field of computer network systems.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITB006

INB255 Security

This unit aims to give you an understanding of the major issues in information security. You will be able to identify critical information security concepts and determine the information security implications of interactions between entities. You will have knowledge of a range of techniques for protecting information, and understand the limitations of these techniques. You will be aware of international information security management standards.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITB161, ITN161, ITB523, ITB623, ITB730

INB270 Programming

This unit aims to give you a positive introduction to the skills required in solving computational problems and implementing solutions in a programming or scripting language. Although some theoretical aspects of computer programming are introduced briefly, the overall emphasis of the unit is programming practice. The unit emphasises generic programming concepts and related problem-solving strategies. The skills you learn in this unit will be applicable to a wide variety of commonly-used, industrially-significant programming and scripting languages.

Prerequisite(s): INB104 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITB003, ITB112, ITB411 or equivalent

INB271 The Web

The aims of the unit are to give you a thorough understanding of what the web is, how it works and what it

has to offer. Additionally, the unit aims to give you a general understanding and basic skills in developing dynamic web applications, including an appreciation of the variety of implementation technologies available. Through an understanding of how web technologies have evolved to date, you will appreciate the necessity for lifelong learning and become an insightful predictor of future developments in this area. You will learn to critically analyse technological alternatives in order to adapt to and innovate with technologies that presently do not exist. You will appreciate the business or organizational context within which web applications exist and be skilled in communicating within that environment. You will appreciate the social and ethical issues relating to web based systems including accessibility, globalization, privacy, and piracy.

Prerequisite(s): INB104 or equivalent **Corequisite(s):** Nil
Credit points: 12 **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** ITB227 & ITB007

INB272 Interaction Design

The aim of this unit is to provide you with an understanding of the theory, practices and challenges associated with the development of creative interactive design and human computer interaction.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INB280 Fundamentals of Game Design

Modern games production is a complex process involving various businesses and organisations, working with budgets in the tens of millions. One of the roles within a game production team is that of the game designer. It is crucial that a game designer understands how to create a game world, the rules that govern game play and other high level design tasks. This subject provides an introduction to game design, by starting with high level conceptual design tasks before moving to more concrete tasks.

Prerequisite(s): INB180 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INB281 Advanced Game Design

This unit will provide you with theoretical and practical knowledge of advanced games design concepts; that is, specific activities undertaken by game designers and their purpose. By the end of this unit you will have the knowledge to identify problems and suggest solutions for innovative game designs, as well as understand how to carry out the process of designing a game yourself. You will possess practical and theoretical knowledge of game design issues such as: how to design a game level, how to design a task and reward a player for completing it, how to ensure that the player knows how to progress through the game and how to design characters whose behaviour and dialogue provide clues and prompts to the player.

Prerequisite(s): ITB016 Fundamentals of Game Design and ITB001 Problem-Solving & Programming

Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INB300 Professional Practice in IT

In this unit you will have the opportunity to experience real world work experiences and to reflect on how your studies have prepared you for the work environment. This will give you the opportunity to plan on how to best take advantage of your remaining studies to prepare for your planned career. To help you to understand your future career you will be working in a team and/or group environments, seeing firsthand the challenges and constraints that arise during professional practice in a real world industry environment. You will develop a richer appreciation of the graduate capabilities required of all information technology professionals, particularly skills such as communication, negotiation and problem-solving strategies.

Prerequisite(s): Having completed at least 168 credit points within the BIT **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITS010

INB301 The Business of IT

This unit will prepare you for professional practice by giving you practical knowledge and skills about how to prepare a project plan and monitor its implementation. You will learn about the process of identifying a business opportunity and how to take advantage of that opportunity. You will learn about how to create successful entrepreneurial teams. You will gain an insight into the different challenges and approaches to funding a venture. You will learn how to break a project up into manageable tasks and estimate the duration of tasks to start planning a project schedule. You will be introduced to core strategic models, discuss typical strategy tools and then apply them to the 'Business of IT'. You will be introduced to techniques for conceptualising strategy, such as Strategy Maps / Balanced Scorecard. Different governance models would be introduced, with a focus on IT governance.

Prerequisite(s): Completion of at least 120 credit points of IT units **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITB009

INB302 Capstone Project

Students are to work together in a team of 4-5 on a project that addresses one of the following three types of problems: real business problems, real market needs, real research problems. This unit extends studentsâ development of the professional, technical and teamwork skills required by IT professionals in practice. Students will extend their knowledge and skills in the areas of IT project management through completing professional project documentation and managing the team project. Students will also gain a greater understanding and skill level in analysis and design, and their significance in delivering successful business or research outcome. The unit also focuses on furthering studentsâ professional skills in report writing, oral communication, and visual communication.

Prerequisite(s): ITB009 or INB301 **Corequisite(s):** Nil

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB010

INB304 Special Topic 3

Traditional Artificial Intelligence (AI) aims at satisfying the Turing test, that is, it aims at making computers indistinguishable from humans. Computer games AI aims at giving Non-Player Characters (NPC) behavioural artefacts that complement a game narrative. Computer game AI is a special area of study that deals with algorithmic approaches to entertainment affects in NPC. Students will develop in this unit an understanding of problems, solutions and algorithms that generally defines the current state of computer game AI. The aim of this unit is to provide students with an intermediate level course in computer game AI that involves a set of the most relevant algorithms and their applications in the interactive entertainment and game industries.

Prerequisite(s): Equivalent to INB371 (ITB702 or ITB711) Data Structures And Algorithms **Corequisite(s):** Nil
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INB305 Special Topic 4

INB305 BGIE Project Design Phase (P1) extends your work on the role, design, and plan of a computer game concept. The unit covers the conceptualisation and game design stages up to the game design pitch. If the project is given a green light by the assessment panel, it may be developed later in the P2 unit.

Prerequisite(s): 144 cp overall of acceptable Bachelor of Games and Interactive Entertainment units
Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB009

INB306 Project 1

This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial development project. The ability to apply technical knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful project management.

Prerequisite(s): Completion of at least 120 credit points of IT units. **Corequisite(s):** Nil **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INB307 Project 2

This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial

development project. The ability to apply technical knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful project management.

Prerequisite(s): Completion of at least 120 credit points of IT units. **Corequisite(s):** Nil **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INB308 Project 3

This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial development project. The ability to apply technical knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful project management.

Prerequisite(s): Completion of at least 120 credit points of IT units. **Corequisite(s):** Nil **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INB309-1 Major Project

This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial development project over two semesters. The ability to apply technical knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful project management.

Prerequisite(s): Completion of at least 144 credit points of IT units. **Corequisite(s):** Nil **Credit points:** 12
Contact hours: 3 per week **Incompatible with:** ITB844

INB309-2 Major Project

This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial development project over two semesters. The ability to apply technical knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature

of the course material in total, particularly the need for careful project management.

Prerequisite(s): Completion of at least 144 credit points of IT units. **Corequisite(s):** Nil **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: ITB844

INB311 Enterprise Systems

The unit presents and discusses the Enterprise Systems Lifecycle model, orienting students to the requirements of addressing total cost of ownership, change management requirements and process modelling requirements in order to achieve business benefits. Concepts of Enterprise Systems success and associated enablers and barriers are also introduced. This unit introduces the technical architecture of complex 3-tiered client server environments. It seeks to show how an integrated complex database environment meets common business needs, and yet fails to meet the total Information Systems requirements.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INB312 Enterprise Systems Applications

The aim of this unit is to introduce one of the more complex and comprehensive Enterprise Systems applications. This unit introduces the business perspective and application processes of modules (such as FI, CO, PP, MM and S&D) and investigates the support provided by these systems and the integration between modules by following some of the major processes in a business. The unit enables you to experience both the business analyst view and the user's view of the system across a number of business processes.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: ITB233

INB313 Electronic Commerce Site Development

This unit will enable you to specify, design, implement and maintain effective e-commerce applications. You will obtain a broad understanding of the potential of e-commerce and how it can be employed to benefit an organisation. You will get direct experience of creating an e-commerce storefront following a business to business (B to B) or business to consumer (B to C) model. You will also have an understanding of the computer systems that underpin e-commerce including payment systems and secure transactions.

Prerequisite(s): INB271 or INB210 **Corequisite(s):** Nil
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INB320 Business Process Modelling

The aim of this unit is to introduce you to modern methods and tools of business process management. These skills will be applied to the most complex, comprehensive and relevant IT applications. This unit also seeks to develop logical thinking and the capability to understand and deal with complex systems, within a business management

framework. The content will focus strongly on business process modelling, as a fundamental technique to manage the complexity associated with process management tasks within various contexts.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INB321 Business Process Management

The aim of this unit is to introduce you to modern methodologies of Business Process Management. A main objective is to increase your awareness of the close link between business requirements and IT capabilities, and the related fundamental role of business processes. This unit also seeks to develop logical thinking, an appreciation for conceptual models, and the capability to understand and deal with complex systems.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12
Contact hours: 3 per work **Campus:** Gardens Point
Incompatible with: Nil

INB322 Information Systems Consulting

The aim of the unit is to develop your skills in the consulting engagement process. This unit will give you an appreciation of the management of consulting practices and an understanding of the consulting sector generally. This unit presents the tactical and strategic issues involved in management consulting, and in particular: client engagement. In the unit there is an emphasis on Information Systems (IS) related work. IS constitutes a substantial portion of consulting activity and cuts across all areas of business expertise. The unit examines the dynamics of IS consulting within the context of large consulting firms and familiarises students with the consulting engagement lifecycle.

Prerequisite(s): INB103 or equivalent **Corequisite(s):** Nil
Credit points: 12 **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** ITB264 and ITN264

INB323 Smart Services

This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial development project. The ability to apply technical knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful project management.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INB325 Corporate Systems Management Project

The ability to apply knowledge and skills to real-life situations is essential for information systems professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful management.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITB370

INB330 Information Management

The aim of this unit is to provide you with an awareness of the activities in which IM professionals are engaged within various organisational contexts. You will use case studies and introduce yourself to the strategic and analytic elements that comprise information management activities. These activities include the alignment of enterprise information and business planning, enterprise information policy, evaluation of information resources & systems and applications of the information inventory.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INB331 Management Issues for Info Professionals

The overall aim is to enable you to identify and resolve selected key management issues within a particular type of organisation of your choice. Using an integrated approach the subject draws from the field of organisational behaviour, business management literature, IT-management, and other readings appropriate to your interest. A further emphasis will be on case studies of actual practices in the type of organisation or enterprise environment setting that you have chosen to investigate.

Corequisite(s): Nil **Credit points:** 12 **Contact hours:** IT04, IT06, IT07, IT09, IF29, IX53, IF48, IF58, IF59, IF90, IX09, IX25, IX55, IX56, IX57, IX58, IX49, IX63, IX65, IX69
Campus: Gardens Point **Incompatible with:** Nil

INB332 Information Retrieval

The ability to quickly learn and expertly use new information resources and concepts is a vital skill for the modern day library and information professional. This unit will help you to understand the structure of the information environment, to reflect upon the information resources you discover, and to develop the ability to find appropriate information for future problem solving. You will develop your skills in identifying, accessing, evaluating and retrieving information resources to meet specific needs. The unit will also help you develop skills in teamwork and oral and written communication.

Corequisite(s): Nil **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** Nil

INB333 Information Programs

The unit encompasses the planning, implementation and evaluation of an information product or service for a

particular community of use. The community may be anything from a specialised professional or business group, to community members with special needs etc. Emphasis is on identification of user needs, creating an information product or program and marketing or promoting its use. The unit also explores the impact of web 2.0 technologies (e.g. blogs, wikis, facebook, YouTube, flickr) and concepts such as creative commons and open access on program and product design and delivery are explored.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN330

INB334 Information Issues and Values

The overall aim is to enable you to identify and critically discuss key issues (ie social, economic, political, cultural, legal, psychological) that impact upon the role and use of information and IT in different contexts of the information society (ie academic, professional, personal). You will critically consider the role of information and IT professionals in dealing ethically and legally with the many issues evolving within the emerging information society. The unit draws from the fields of psychology, business, library and information science, IT, education, sociology and law.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITN330

INB335 Information Resources

This unit will help you to understand the structure of the information environment, to reflect upon the information resources you discover, and to develop the ability to find appropriate information for future problem solving. You will develop your skills in identifying, accessing, evaluating and retrieving information resources to meet specific information needs. The unit will also help you develop skills in teamwork and oral and written communication.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INB340 Database Design

The aim of this unit is to help you develop your knowledge, understand a formal specification tool (ORM) for modelling information systems unambiguously and to apply this formal technique to conceptualise information systems found in many real world application domains.

Prerequisite(s): INB210 (ITB004) **Corequisite(s):** Nil
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB229

INB341 Software Development With Oracle

This unit aims to develop a sound understanding of database creation, installation, administration, management, security, back up/recovery and application development. The unit aims to develop practical skills in each of these elements, using appropriate Oracle software.

It is expected that students undertaking this unit will have

prior knowledge of relational database terminology and concepts, be thoroughly able to develop SQL for querying, updating and creating tables, and have a sound knowledge of database design.

Prerequisite(s): INB210 and INB340 or equivalents
Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INB342 Enterprise Data Mining

This unit will provide a comprehensive theoretical coverage of various topics in data and web mining. In addition there will be a significant practical component using hands on tools to solve real-world problems. Specifically, we will consider techniques from machine learning, data mining, text mining, and information retrieval to extract useful knowledge from data which are used for business intelligence, document databases, site management, personalization, and user profiling. This unit will first cover a detailed overview of the mining process and techniques, and then concentrate on applications of these techniques to web, e-commerce, document databases and data from advanced applications.

Prerequisite(s): ITB004 or INB210 or AYB114
Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INB345 Mobile Devices

This unit provides the opportunity for exploring new and emerging mobile devices and wireless technology including iPhone, Netbook, 3G, WiMax, and RFID. Students will critically review and understand how they can be used for current contexts such as government, business, education and social community, as well as emerging wilderness environments with no power and wired communication. Students will appreciate the impacts of these devices and be inspired for the current and future opportunities in ICT usage trends.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INB346 Enterprise 2.0

This unit will help you to acquire the skills and knowledge required to critically explore and utilise applications within diverse contexts and organisations.

Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INB347 Web 2.0 Applications

Web 2.0 applications enable the user to be control. The unit will provide the opportunity for students to explore web 2.0 applications including blogs, wikis, social networking, social tagging, podcasts, gaming, storytelling and virtual worlds such as second life. Students will critically consider the many and varied web applications and how they can be used in different contexts such as government, small and

medium size businesses, non-profit organisations, educational institutions and community groups.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INB350 Internet Protocols and Services

An understanding of the theoretical and practical concepts of network protocols and services is highly useful and relevant to network engineers and others working in the Information Processing industries. This unit introduces you to Internet protocols and the design, implementation and operation of network based applications. Theory and practical skills taught in this unit will be useful if you intend undertaking further networking units.

Prerequisite(s): INB251 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB624, ITB629, ITB720, ITN524, ITN529, ITN667, ITN720 or equivalent

INB351 Computer Network Administration

The aim of this unit is to provide students with a working knowledge of the technical aspects and theory of network administration and management. The unit uses the Unix environment as the learning platform for attaining technical skills and for the development of problem solving skills necessary to be a successful networking professional.

Prerequisite(s): INB251 or ITB006 **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** INN351, ITB525, ITB535, ITB625, ITN525, ITN665, ITB721, ITN721 or equivalent

INB352 Network Planning and Deployment

The unit draws together subject matter from a number of different networking-related areas. The aim of the unit is to assemble the previously acquired knowledge and techniques and apply it in a cohesive fashion to the task of network planning.

Prerequisite(s): INB350 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB722, ITB628, ITB551

INB353 Wireless and Mobile Networks

This unit provides you with the skills to be able to design and understand the issues involved with different types of wireless communications systems. It develops your knowledge of Wide Area Networks (WANs), Local Area Networks (LANs) and Personal Area Networks (PANs) as well as skills in programming for mobile handsets. You will also develop knowledge of the different types of wireless communications technologies available and when each is most applicable in a particular situation.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INB355 Cryptology and Protocols

Cryptographic techniques are widely used to implement computer and network security. As an IT security professional you may be required either to evaluate or implement information systems using cryptographic algorithms and protocols. This elective unit covers the main cryptographic technical concepts including encryption, digital signatures and cryptographic protocols.

Prerequisite(s): Maths B/ MAB105 or equivalent

Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB646, ITB548, ITB566, ITB732, ITN566, ITN512, ITN581, ITN732

INB365 Systems Programming

Systems programming is an essential part of any computer-science education. This unit uses operating system concepts to teach the foundations of systems programming and advanced concepts for producing softwares that provide services to computer hardware. Through this study, you will be able to demonstrate knowledge of the principles and techniques of process management, memory and file management, protection & security, and distributed systems.

Prerequisite(s): INB270 or ITB003 & ITB005

Corequisite(s): nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB745 & ITB706

INB370 Software Development

Understanding software development is an integral part of the IT industry for software engineers. Software development relies on object technologies, programming techniques and numerous code libraries provided by language developers and third party vendors. Integrated Development Environments, unit testing frameworks, automated and continuous build tools and versioning systems are all becoming part of the tool set modern software developers must be familiar with. This unit is designed to introduce these technologies and techniques to show how software can be rapidly developed.

Prerequisite(s): INB270 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INB371 Data Structures and Algorithms

The purpose of this unit is to ensure that you have a sound knowledge of modern programming techniques and their use in providing medium-scale software solutions. This unit will teach you to decompose a problem and produce a modular solution to a programming task. The principles to analyse algorithms for efficiency will also be introduced. In addition, you will acquire the necessary skills for you to use the tools available in common development environments, such as Microsoft Visual Studio.

Prerequisite(s): INB270 / ITB003 or equivalent

Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:**

ITB112(SD2), ITB711, ITB702

INB372 Software Engineering Principles

This unit introduces you to the software development process. You will look at each of the major activities involved in developing a software system. You will also learn how to manage and control the software development process for a large project when a number of team members are involved in the development. This unit develops the professional practice of working on large software systems.

Prerequisite(s): INB370 or INB371 **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB712, ITB612, ITB424

INB373 Web Application Development

This unit will provide you with an understanding of the issues, structure and technologies used for developing web-based systems. The unit will provide you with the theoretical and practical skills needed to develop enterprise critical applications designed with an n-tier architecture using state of the art technologies. A comparative technology approach is taken, including an analysis of how web technologies have evolved to date, in order to identify common themes and to better enable you to comprehend and critically evaluate future web technology offerings.

Prerequisite(s): INB271 or equivalent **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB716, ITN716, INN373

INB374 Enterprise Software Architecture

This unit aims to introduce you to the field of enterprise architecture. It attempts to give you a grounding in the basic knowledge and skills required by an enterprise architect. This includes a solid understanding of the IT challenges currently facing medium to large size organizations, the theory and technologies currently used to address them and an appreciation of the business imperative for which they are utilized.

Prerequisite(s): INB270 or ITB003 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB717

INB379 Game Project Design

INB379 BGIE Game Project Design (P1) extends your work on the role, design, and plan of a computer game concept. The unit covers the conceptualisation and game design stages up to the game design pitch. If the project is given a green light by the assessment panel, it may be developed later in the P2 unit.

Prerequisite(s): 144 cp overall of acceptable Bachelor of Games and Interactive Entertainment units **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 1 hour lecture - 2 hour supervisor meetings **Campus:** Gardens Point **Incompatible with:** ITB009, INB305

INB380 Games Project

This unit seeks to give you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial related project. The unit also aims to allow you to develop the critical professional skills of working within a cross-disciplinary team and, through implementation of your project, develop the understanding of the role of careful planning, scope control and task management in ensuring that the project is successful.

Prerequisite(s): Students undertaking this unit must be enrolled in the Bachelor of Games and Interactive Entertainment and have completed ITB009
Corequisite(s): Nil **Credit points:** 24 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB020

INB381 Modelling and Animation Techniques

The unit will provide you with the knowledge and skills to use an industry standard graphics API to implement graphics applications and to develop a basic real time animation system using an industry standard language.

Prerequisite(s): INB371, (ITB702 & ITB749) and MAB281
Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB648, ITB649, ITB441, ITN440, ITB460, ITN460, ITB746, ITN746

INB382 Real Time Rendering Techniques

This unit will provide you with knowledge and skills in basic to advanced techniques in real-time rendering using shading languages. You will be able to implement a high-quality real-time rendering system in an industry standard API.

Prerequisite(s): INB371, INB381 and MAB281
Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INB385 Multimedia Systems

This unit will explore the concepts underpinning multimedia systems and the role played by these technologies in the overall knowledge of a computer professional. You will learn to: design and develop different kinds of interactive multimedia applications; understand the bank of knowledge in cultural developments surrounding the emergence of multimedia technologies; analyse design and processes that contribute to the production of a creative work, using contemporary hardware and software technologies; develop the creative potential of temporal media forms and their placement and use within new media works; understand principles and conventions associated with the interpretation and production of meaning through interactive visual representation.

Prerequisite(s): INB271 **Corequisite(s):** INB272
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB257

INB386 Advanced Multimedia Systems

This advanced level unit will give you high level design and development skills in some of the current and emerging areas of the new media. Web delivered applications, stand-alone systems and installations will be included. It will endeavour to give you an in-depth understanding of interactive Multimedia Systems. You will be given the theoretical basis and practical skills to motivate you in the design and creation of a state-of-the-art system in this discipline. In the process it will encourage a professional team approach appropriate to the industry environment.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB259

INB830 Web Sites For Electronic Commerce

Techniques to design and implement an attractive set of web pages and the issues associated with using them will be the focus of this elective unit. Customers must have access to an organisation's on-line resource before electronic commerce can be applied. This unit aims to provide you with an understanding of the entire process for building a successful Electronic Commerce website. It addresses both the business and technical aspects of site development so that you will gain an appreciation of the issues involved. This normally involves creating a web site.

Prerequisite(s): BSB212 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB00

INB860 Computational Intelligence for Control and Embedded Systems

This is a specialisation unit in the area of Infomechatronics that introduces five methods from the field of computational intelligence and relates them to applications on real time control and embedded systems. The methods are: Knowledge Base Systems, Fuzzy Control, Neural Networks, Reinforcement Learning and Evolutionary Computation. The unit is also intended to teach the specific design and programming skills that will enable you to solve problems using computational intelligence methods in real-time embedded systems. It is assumed that you already have knowledge of programming.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB847

INB870 Introduction to Technical Computing

This unit will assist you to develop problem-solving and programming skills essential in professional technical programming and used in many Engineering and Information Technology majors. The skills are transferable to other programming languages and applications. The unit introduces you to the MATLAB programming environment which is particularly useful for engineering students who will use it later in their studies for various programming and data analysis tasks.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:**

3 per week **Campus:** Gardens Point **Incompatible with:** ITB847

INN101 Impact of IT

You will gain an appreciation of the massive and positive impact that IT has had on a wide range of fields including business, science, engineering, education and health. You will learn about the benefits of increased productivity due to IT. You will consider ethical issues and possible negative impacts of IT. You will raise your awareness of the social implications of IT systems for society at the global, local and personal levels. You will develop an informed position on issues, and justify your reasoning with considered supportive arguments.

Prerequisite(s): NIL **Corequisite(s):** NIL **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN361, ITB361

INN120 Corporate Systems

Corporate Systems Management is a growing area where people can make a difference to the way organisations and societies operate. In key business domains, such as Government, Health, Finance, Utilities and Primary Industries, Corporate Systems Managers play a vital role in directing the socio-technical systems that affect everyone's lives. This unit will help students to gain an overview of these major roles and key business domains in order to set the scene for their future studies and help them to match their emerging professional interests with potential career directions.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN360

INN121 Socio-technical Systems

A wide range of technical devices, such as servers, network devices and cross communication devices as well as PDAs, laptops, mobile phones, iPhones etc. are employed to meet the needs of society and organisations. The overall design or architecture that determines the role these devices play is vital to the successful functioning of organisations and holds the key to future innovations in serving the community. This unit provides students with a foundation in the principles that determine the design of these systems, the way they interconnect; how they serve specific clients and purposes and how people and devices interact.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INN122 Organisational Databases

Databases are a key feature in modern organisational systems. Stores of data are the prerequisite for organisational knowledge and are the substance of technology applications. Databases underpin all technologies, platforms and application areas such as on-line transactions (e.g. shopping), health information systems, web services, e-government, banking and geographical information systems. Corporate Systems Managers understand how databases are used in business

domains and the benefits gained from capturing, storing and retrieving quality data to assist organisational planning and decision making. Professionals who understand the privacy and legislative requirements as they pertain to database security and management are increasingly in demand.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB362

INN123 Project Management Practice

Successful businesses use Project Management (PM) processes to structure the implementation, upgrades and process improvement activities undertaken within organisations. This unit investigates project management processes and analyses, combines and applies the basic elements and tools of successful projects to ICT cases. With a focus on contemporary organisations, the unit covers activities such as communication and risk management, change management, recording keeping and project reporting. The unit covers practical, relevant and topical PM issues delivered as a complex project activity.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB363

INN124 Information Systems Development

IT professionals work with a wide variety of information systems and are increasingly required to interact with other professionals and understand business domains. In many cases it is necessary to develop custom systems to satisfy business requirements. Problem solving and communication skills and an understanding of programming concepts and logic are required to effectively work with information systems developers. In this dynamic industry, self-managed learning is necessary to remain abreast of technology innovations.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN364

INN180 Computer Games Studies

This unit is designed to give you a clear understanding of the socio-cultural issues that affect the computer game industry. Through critical review of games and games industry literature, playing games and actively participating in classroom discussion you will develop your capacity to join in the discourse about the design, impact and future direction of computer games in our society.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN750

INN181 Introduction to Games Production

This subject will provide you with knowledge and skills in games production. By gaining an overview of the production process, you will learn how the technology and the people involved integrate into a coherent and efficient manufacturing process. By the end of this subject you will have the knowledge to conceive, create, integrate and

optimise tools and personnel into a complete games production system.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INN210 Databases

The aim of this unit is to help you develop your knowledge, understand a formal specification tool (ORM) for modelling information systems unambiguously and to apply this formal technique to conceptualise information systems found in many real world application domains.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITN200

INN220 Business Analysis

This unit aims to give you an introduction to the role, knowledge, and skills required of a business analyst. This unit focuses on both the tradesâtools and methods used by a business analyst, as well as the soft skillsâcreativity and communication, both of which are critical to successful business and requirements analysis. Through lectures, cases studies and role playing activities, you will develop basic knowledge and skills required for introductory business analysis (BA).

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INN221 Technology Management

This unit presents operational, tactical and strategic insights that support the activities central to the leadership and management of technology. These insights include project management, organisational leadership, outsourcing, planning, governance and millennium technologies. Such insights are used to inform decision-making - the core skill of any manager. Technology managers must understand the factors influencing any decision point. This unit equips students for the challenges of management and to contribute to the decision-making faced by managers and the staff who advise on these issues.

Prerequisite(s): ITB002, INB103, ITB360 or equivalents
Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB366, ITN366, ITB241, ITN241, ITN251

INN250 Computer Architectures and Systems

Contemporary computer-based systems are built from a wide range of technologies working at different levels of abstraction, from microprocessor hardware, to operating system and application software, to entire communications networks. At each abstraction level different techniques are needed to understand emergent properties of the system. This unit introduces some of the foundational principles commonly used to reason about the behaviour of computer-dependent systems at different levels of abstraction. Such techniques are especially important in the context of safety-, security- or mission-critical systems.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITB005

INN251 Networks

Computer systems and communications networks are essential to the activities of modern organisations. When you graduate from a course in Information Technology, employers expect you to have a sound understanding of the terminology and concepts of computer systems, communications networks, and network services. This unit provides you with an introductory study of communications network technologies and network applications. The unit serves as an entry point to further specialised studies in the field of computer network systems.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITN701

INN255 Security

This unit aims to give you an understanding of the major issues in information security. You will be able to identify critical information security concepts and determine the information security implications of interactions between entities. You will have knowledge of a range of techniques for protecting information, and understand the limitations of these techniques. You will be aware of international information security management standards.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITB161, ITB523, ITB623, ITB730, ITB161, ITN161, ITN511, ITN523, ITN623, ITN663, ITN730

INN270 Programming

This unit aims to give you a positive introduction to the skills required in solving computational problems and implementing solutions in a programming or scripting language. Although some theoretical aspects of computer programming are introduced briefly, the overall emphasis of the unit is programming practice. The unit emphasises generic programming concepts and related problem-solving strategies. The skills you learn in this unit will be applicable to a wide variety of commonly-used, industrially-significant programming and scripting languages.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: INB270, ITN700 or equivalent

INN271 The Web

The aims of the unit are to give you a thorough understanding of what the web is, how it works and what it has to offer. Additionally, the unit aims to give you a general understanding and basic skills in developing dynamic web applications, including an appreciation of the variety of implementation technologies available. Through an understanding of how web technologies have evolved to date, you will appreciate the necessity for lifelong learning and become an insightful predictor of future developments in this area. You will learn to critically analyse technological

alternatives in order to adapt to and innovate with technologies that presently do not exist. You will appreciate the business or organizational context within which web applications exist and be skilled in communicating within that environment. You will appreciate the social and ethical issues relating to web based systems including accessibility, globalization, privacy, and piracy.

Prerequisite(s): Basic Programming knowledge

Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN227 & ITN007

INN272 Interaction Design

The aim of this unit is to provide you with an understanding of the theory, practices and challenges associated with the development of creative interactive design and human computer interaction.

Prerequisite(s): INB103 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INN280 Fundamentals of Game Design

Modern games production is a complex process involving various businesses and organisations, working with budgets in the tens of millions. One of the roles within a game production team is that of the game designer. It is crucial that a game designer understands how to create a game world, the rules that govern game play and other high level design tasks. This subject provides an introduction to game design, by starting with high level conceptual design tasks before moving to more concrete tasks.

Prerequisite(s): INN180 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INN281 Advanced Game Design

This unit will provide you with theoretical and practical knowledge of advanced games design concepts; that is, specific activities undertaken by game designers and their purpose. By the end of this unit you will have the knowledge to identify problems and suggest solutions for innovative game designs, as well as understand how to carry out the process of designing a game yourself. You will possess practical and theoretical knowledge of game design issues such as: how to design a game level, how to design a task and reward a player for completing it, how to ensure that the player knows how to progress through the game and how to design characters whose behaviour and dialogue provide clues and prompts to the player.

Prerequisite(s): ITN016 Fundamentals of Game Design and ITN700 Problem-Solving & Programming
Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INN311 Enterprise Systems

The unit presents and discusses the Enterprise Systems Lifecycle model, orienting students to the requirements of addressing total cost of ownership, change management

requirements and process modelling requirements in order to achieve business benefits. Concepts of Enterprise Systems success and associated enablers and barriers are also introduced. This unit introduces the technical architecture of complex 3-tiered client server environments. It seeks to show how an integrated complex database environment meets common business needs, and yet fails to meet the total Information Systems requirements.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INN312 Enterprise Systems Applications

The aim of this unit is to introduce one of the more complex and comprehensive Enterprise Systems applications. This unit introduces the business perspective and application processes of modules (such as FI, CO, PP, MM and S&D) and investigates the support provided by these systems and the integration between modules by following some of the major processes in a business. The unit enables you to experience both the business analyst view and the user's view of the system across a number of business processes.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN233, INB312, ITB233

INN313 Electronic Commerce Site Development

This unit will enable you to specify, design, implement and maintain effective e-commerce applications. You will obtain a broad understanding of the potential of e-commerce and how it can be employed to benefit an organisation. You will get direct experience of creating an e-commerce storefront following a business to business (B to B) or business to consumer (B to C) model. You will also have an understanding of the computer systems that underpin e-commerce including payment systems and secure transactions.

Prerequisite(s): INN271 or INN210 **Corequisite(s):** Nil
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INN320 Business Process Modelling

The aim of this unit is to introduce you to modern methods and tools of business process management. These skills will be applied to the most complex, comprehensive and relevant IT applications. This unit also seeks to develop logical thinking and the capability to understand and deal with complex systems, within a business management framework. The content will focus strongly on business process modelling, as a fundamental technique to manage the complexity associated with process management tasks within various contexts.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INN321 Business Process Management

The aim of this unit is to introduce you to modern methodologies of Business Process Management. A main

objective is to increase your awareness of the close link between business requirements and IT capabilities, and the related fundamental role of business processes. This unit also seeks to develop logical thinking, an appreciation for conceptual models, and the capability to understand and deal with complex systems.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INN322 Information Systems Consulting

The aim of the unit is to develop your skills in the consulting engagement process. This unit will give you an appreciation of the management of consulting practices and an understanding of the consulting sector generally. This unit presents the tactical and strategic issues involved in management consulting, and in particular: client engagement. In the unit there is an emphasis on Information Systems (IS) related work. IS constitutes a substantial portion of consulting activity and cuts across all areas of business expertise. The unit examines the dynamics of IS consulting within the context of large consulting firms and familiarises students with the consulting engagement lifecycle.

Prerequisite(s): INB103 or equivalent **Corequisite(s):** Nil
Credit points: 12 **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** ITB264 and ITN264

INN323 Smart Services

This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial development project. The ability to apply technical knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful project management.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INN330 Information Management

The aim of this unit is to provide you with an awareness of the activities in which IM professionals are engaged within various organisational contexts. You will use case studies and introduce yourself to the strategic and analytic elements that comprise information management activities. These activities include the alignment of enterprise information and business planning, enterprise information policy, evaluation of information resources & systems and applications of the information inventory.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INN331 Management Issues for Information Professionals

The overall aim is to enable you to identify and resolve selected key management issues within a particular type of organisation of your choice. Using an integrated approach the subject draws from the field of organisational behaviour, business management literature, IT-management, and other readings appropriate to your interest. A further emphasis will be on case studies of actual practices in the type of organisation or enterprise environment setting that you have chosen to investigate.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITN274

INN332 Information Retrieval

The ability to quickly learn and expertly use new information resources and concepts is a vital skill for the modern day library and information professional. This unit will help you to understand the structure of the information environment, to reflect upon the information resources you discover, and to develop the ability to find appropriate information for future problem solving. You will develop your skills in identifying, accessing, evaluating and retrieving information resources to meet specific needs. The unit will also help you develop skills in teamwork and oral and written communication.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITN273

INN333 Information Programs

The unit encompasses the planning, implementation and evaluation of an information product or service for a particular community of use. The community may be anything from a specialised professional or business group, to community members with special needs etc. Emphasis is on identification of user needs, creating an information product or program and marketing or promoting its use. The unit also explores the impact of web 2.0 technologies (e.g. blogs, wikis, facebook, YouTube, flickr) and concepts such as creative commons and open access on program and product design and delivery are explored.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN330

INN334 Information Issues and Values

The overall aim is to enable you to identify and critically discuss key issues (ie social, economic, political, cultural, legal, psychological) that impact upon the role and use of information and IT in different contexts of the information society (ie academic, professional, personal). You will critically consider the role of information and IT professionals in dealing ethically and legally with the many issues evolving within the emerging information society. The unit draws from the fields of psychology, business, library and information science, IT, education, sociology and law.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITN330

INN335 Information Resources

This unit will help you to understand the structure of the information environment, to reflect upon the information resources you discover, and to develop the ability to find appropriate information for future problem solving. You will develop your skills in identifying, accessing, evaluating and retrieving information resources to meet specific information needs. The unit will also help you develop skills in teamwork and oral and written communication.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INN340 Database Design

The aim of this unit is to help you develop your knowledge, understand a formal specification tool (ORM) for modelling information systems unambiguously and to apply this formal technique to conceptualise information systems found in many real world application domains.

Prerequisite(s): INN210 (ITN200) **Corequisite(s):** Nil
Credit points: 12 **Campus:** Gardens Point
Incompatible with: ITN229

INN341 Software Development With Oracle

This unit aims to develop a sound understanding of database creation, installation, administration, management, security, back up/recovery and application development. The unit aims to develop practical skills in each of these elements, using appropriate Oracle software.

Prerequisite(s): INN210 and INN340 or equivalents
Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INN342 Enterprise Data Mining and Data Analysis

This unit will provide a comprehensive theoretical coverage of various topics in data and web mining. In addition there will be a significant practical component using hands on tools to solve real-world problems. Specifically, we will consider techniques from machine learning, data mining, text mining, and information retrieval to extract useful knowledge from data which are used for business intelligence, document databases, site management, personalization, and user profiling. This unit will first cover a detailed overview of the mining process and techniques, and then concentrate on applications of these techniques to web, e-commerce, document databases and data from advanced applications.

Prerequisite(s): ITN210 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INN345 Mobile Devices

This unit provides the opportunity for exploring new and emerging mobile devices and wireless technology including iPhone, Netbook, 3G, WiMax, and RFID. Students will

critically review and understand how they can be used for current contexts such as government, business, education and social community, as well as emerging wilderness environments with no power and wired communication. Students will appreciate the impacts of these devices and be inspired for the current and future opportunities in ICT usage trends.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INN346 Enterprise 2.0

This unit will help you to acquire the skills and knowledge required to critically explore and utilise applications within diverse contexts and organisations.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INN347 Web 2.0 Applications

Web 2.0 applications enable the user to be control. The unit will provide the opportunity for students to explore web 2.0 applications including blogs, wikis, social networking, social tagging, podcasts, gaming, storytelling and virtual worlds such as second life. Students will critically consider the many and varied web applications and how they can be used in different contexts such as government, small and medium size businesses, non-profit organisations, educational institutions and community groups.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INN350 Internet Protocols and Services

An understanding of the theoretical and practical concepts of network protocols and services is highly useful and relevant to network engineers and others working in the Information Processing industries. This unit introduces you to Internet protocols and the design, implementation and operation of network based applications. Theory and practical skills taught in this unit will be useful if you intend undertaking further networking units.

Prerequisite(s): INN251 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITB624, ITB629, ITB720, ITN524, ITN529, ITN667, ITN720 or equivalent

INN351 Unix Network Administration

The aim of this unit is to provide students with a working knowledge of the technical aspects and theory of network administration and management. The unit uses the Unix environment as the learning platform for attaining technical skills and for the development of problem solving skills necessary to be a successful networking professional.

Prerequisite(s): INN251 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: INN351, ITB525, ITB535, ITB625, ITN525, ITN665, ITB72, ITN721 or equivalent

INN352 Network Planning

The unit draws together subject matter from a number of different networking-related areas. The aim of the unit is to assemble the previously acquired knowledge and techniques and apply it in a cohesive fashion to the task of network planning.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN722, ITN551

INN353 Wireless and Mobile Networks

This unit provides you with the skills to be able to design and understand the issues involved with different types of wireless communications systems. It develops your knowledge of Wide Area Networks (WANs), Local Area Networks (LANs) and Personal Area Networks (PANs) as well as skills in programming for mobile handsets. You will also develop knowledge of the different types of wireless communications technologies available and when each is most applicable in a particular situation.

Prerequisite(s): INN251: Networks or equivalent networking knowledge **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INN355 Cryptology and Protocols

Cryptographic techniques are widely used to implement computer and network security. As an IT security professional you may be required either to evaluate or implement information systems using cryptographic algorithms and protocols. This elective unit covers the main cryptographic technical concepts including encryption, digital signatures and cryptographic protocols.

Prerequisite(s): Maths B/ MAB105 or equivalent **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB646, ITB548, ITB566, ITB732, ITN566, ITN512, ITN581, ITN732

INN365 Systems Programming

Systems programming is an essential part of any computer-science education. This unit uses operating system concepts to teach the foundations of systems programming and advanced concepts for producing softwares that provide services to computer hardware. Through this study, you will be able to demonstrate knowledge of the principles and techniques of process management, memory and file management, protection & security, and distributed systems.

Prerequisite(s): ITN700, ITN701 or INN270 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN706

INN370 Software Development

Understanding software development is an integral part of the IT industry for software engineers. Software development relies on object technologies, programming

techniques and numerous code libraries provided by language developers and third party vendors. Integrated Development Environments, unit testing frameworks, automated and continuous build tools and versioning systems are all becoming part of the tool set modern software developers must be familiar with. This unit is designed to introduce these technologies and techniques to show how software can be rapidly developed.

Prerequisite(s): INN270 or INB270 or ITB003 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INN371 Data Structures and Algorithms

The purpose of this unit is to ensure that you have a sound knowledge of modern programming techniques and their use in providing medium-scale software solutions. This unit will teach you to decompose a problem and produce a modular solution to a programming task. The principles to analyse algorithms for efficiency will also be introduced. In addition, you will acquire the necessary skills for you to use the tools available in common development environments, such as Microsoft Visual Studio.

Prerequisite(s): INN270 / ITN700 or equivalent **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN410, ITN711, ITN702

INN372 Agile Software Development

This unit introduces you to the software development process. You will look at each of the major activities involved in developing a software system. You will also learn how to manage and control the software development process for a large project when a number of team members are involved in the development. This unit develops the professional practice of working on large software systems.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN662, ITN424, ITN483

INN373 Web Application Development

This unit will provide you with an understanding of the issues, structure and technologies used for developing web-based systems. The unit will provide you with the theoretical and practical skills needed to develop enterprise critical applications designed with an n-tier architecture using state of the art technologies. A comparative technology approach is taken, including an analysis of how web technologies have evolved to date, in order to identify common themes and to better enable you to comprehend and critically evaluate future web technology offerings.

Prerequisite(s): INN271 or equivalent **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB716, ITN716, INB373

INN374 Enterprise Software Architecture

This unit aims to introduce you to the field of enterprise architecture. It attempts to give you a grounding in the basic knowledge and skills required by an enterprise architect. This includes a solid understanding of the IT challenges currently facing medium to large size organizations, the theory and technologies currently used to address them and an appreciation of the business imperative for which they are utilized.

Prerequisite(s): INN270 or ITN003 **Corequisite(s):** Nil
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN171

INN380 Games Project

This unit seeks to give you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial related project. The unit also aims to allow you to develop the critical professional skills of working within a cross-disciplinary team and, through implementation of your project, develop the understanding of the role of careful planning, scope control and task management in ensuring that the project is successful.

Prerequisite(s): Students undertaking this unit must be enrolled in the Bachelor of Games and Interactive Entertainment and have completed ITB009
Corequisite(s): Nil **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** ITB020

INN381 Modelling and Animation Techniques

The unit will provide you with the knowledge and skills to use an industry standard graphics API to implement graphics applications and to develop a basic real time animation system using an industry standard language.

Prerequisite(s): INN371 (ITN702 and ITN749) and MAB281 **Corequisite(s):** Nil **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: ITB648, ITB649, ITB441, ITN440, ITB460, ITN460, ITB746, ITN746

INN382 Real Time Rendering Techniques

This unit will provide you with knowledge and skills in basic to advanced techniques in real-time rendering using shading languages. You will be able to implement a high-quality real-time rendering system in an industry standard API.

Prerequisite(s): INN371, INN3814 and MAB281
Corequisite(s): Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** ITB648, ITB649

INN385 Multimedia Systems

This unit will explore the concepts underpinning multimedia systems and the role played by these technologies in the overall knowledge of a computer professional. You will learn to: design and develop different kinds of interactive multimedia applications; understand the bank of knowledge in cultural developments surrounding the emergence of multimedia technologies; analyse design and processes that contribute to the production of a creative work, using

contemporary hardware and software technologies; develop the creative potential of temporal media forms and their placement and use within new media works; understand principles and conventions associated with the interpretation and production of meaning through interactive visual representation.

Prerequisite(s): INN271 or permission of Unit Coordinator
Corequisite(s): INN272 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITN257

INN386 Advanced Multimedia Systems

This advanced level unit will give you high level design and development skills in some of the current and emerging areas of the new media. Web delivered applications, stand-alone systems and installations will be included. It will endeavour to give you an in-depth understanding of interactive Multimedia Systems. You will be given the theoretical basis and practical skills to motivate you in the design and creation of a state-of-the-art system in this discipline. In the process it will encourage a professional team approach appropriate to the industry environment.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: ITN259

INN401 Honours Dissertation 1

Research is about contributing to scientific knowledge. You will be expected to make such a contribution in your honours dissertation, although the size of that contribution will probably be relatively small as this is likely to be your first research project. The principle aim, however, is to provide you with basic research skills that you will be able to apply again in the future in other contexts, be they in a higher research degree, or applied to real-world problems in an industry setting. You will learn the types of processes, creativity and analytical thinking that leads to such scientific advances and how to communicate such findings in a rigorous scientific manner.

Prerequisite(s): Nil **Corequisite(s):** ITN100 Research Methodology **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INN402 Honours Dissertation 2

Research is about contributing to scientific knowledge. You will be expected to make such a contribution in your honours dissertation, although the size of that contribution will probably be relatively small as this is likely to be your first research project. The principle aim, however, is to provide you with basic research skills that you will be able to apply again in the future in other contexts, be they in a higher research degree, or applied to real-world problems in an industry setting. You will learn the types of processes, creativity and analytical thinking that leads to such scientific advances and how to communicate such findings in a rigorous scientific manner.

Prerequisite(s): Nil **Corequisite(s):** ITN100 Research Methodology **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INN403 Honours Dissertation 3

Research is about contributing to scientific knowledge. You will be expected to make such a contribution in your honours dissertation, although the size of that contribution will probably be relatively small as this is likely to be your first research project. The principle aim, however, is to provide you with basic research skills that you will be able to apply again in the future in other contexts, be they in a higher research degree, or applied to real-world problems in an industry setting. You will learn the types of processes, creativity and analytical thinking that leads to such scientific advances and how to communicate such findings in a rigorous scientific manner.

Prerequisite(s): Nil **Corequisite(s):** ITN100 Research Methodology **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INN404 Honours Dissertation 4

Research is about contributing to scientific knowledge. You will be expected to make such a contribution in your honours dissertation, although the size of that contribution will probably be relatively small as this is likely to be your first research project. The principle aim, however, is to provide you with basic research skills that you will be able to apply again in the future in other contexts, be they in a higher research degree, or applied to real-world problems in an industry setting. You will learn the types of processes, creativity and analytical thinking that leads to such scientific advances and how to communicate such findings in a rigorous scientific manner.

Prerequisite(s): Nil **Corequisite(s):** ITN100 Research Methodology **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INN500 IT Project Management

The majority of information technology (IT) initiatives, such as systems developments and implementations, are introduced into organizations through projects, and the success of these projects depends on their effective management. This unit covers the integration of the multi-disciplinary skills that students would have acquired at stage in the course required to manage IT projects successfully. Specifically, it covers the administrative, technical, communication and socio-political demands placed on modern IT project managers. The unit covers practical, relevant and topical IT project management issues delivered through practical tutorials and lectures.

Prerequisite(s): 48 Credit Points of successfully completed postgraduate study **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** ITB365 and INB123

INN530 Web Content Reliability

The primary aim of this unit is a capstone experience for you, to prepare you for entry to your profession. While the primary aim is the development of your professional skills, you will also have the opportunity to listen to and learn from real world work experiences from industry experts working in this field. You will have the opportunity to reflect on how

your studies or previous life experiences have prepared you for this type of work. Through this observation and reflection process you will develop an introductory knowledge of the principles of web content management as they are applied in organisations today. You will develop an appreciation of the tasks, issues, practices, principles and policies required for dynamic forms of web architecture, and you will begin to explore the development of skills required to work with and manage content management systems.

Prerequisite(s): The ability to create web pages and an understanding of dynamic websites. **Corequisite(s):** See assumed knowledge **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INN531 Information Services

This unit seeks to develop your understanding of the key issues involved in developing and managing a contemporary and innovative information service. In particular you will be given the opportunity to become familiar with the methods and tools used in the selection and acquisition of information resources and the creation of information programmes to meet the specific needs of a community or client group. You will also be developing a working knowledge of the skills and techniques essential for critically evaluating the resources and programmes created. The unit further seeks to develop your oral and written communication skills, critical thinking, teamwork skills and project management abilities.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INN532 Information Literacy Education

This unit aims to develop your understanding of information literacy and information literacy education and how these concepts can be applied according to the needs of client group(s) of your choice. As a professional you may engage in policy development, advocacy, research, developing and implementing instruction programs or managing staff who undertake these activities. New professionals and other educators can become heavily involved in teaching information literacy and skills to learners in a range of environment including academic, workplace or community programs. This unit provides the opportunity for theoretical and practical work in contexts of your choice to suit your individual interests.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN279

INN533 Information Organisation

The aim of this unit is to develop an understanding of the principles and practices of information organisation as applied to description and classification of knowledge contained in a range of information resources utilised in different contexts.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN275

INN540 User Experience

The aim of this unit is to critically evaluate technologies within the context of the user's experience.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INN545 Introduction to Health Technology

This unit introduces health practitioners, health technologists and information specialists to common framework by which they can describe, discuss, apply and manage Health Technology enabling better health outcomes in the sector and the community. Technology types covered will include, inter alia, user devices, clinical and administrative systems, and diagnostic and treatment systems across modalities as well as support systems such as asset management, tracking, and logistics. We anticipate considerable industry involvement in this unit including site visits and presentations from industry managers and possibly vendors.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INN546 Major Issues in Health Technology

This unit introduces health practitioners, health technologists and information specialists to major issues related to managing Health Technology enabling better health outcomes in the sector and the community. Technology types covered will include, inter alia, user devices, clinical and administrative systems, and diagnostic and treatment systems across modalities as well as support systems such as asset management, tracking, and logistics.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INN550 Computer Forensics

This unit aims to give you instruction in the principles of Computer Forensics, and the principles that need to be observed by the computer forensic investigator in order to successfully identify, secure, analyse and present digital evidence. In this advanced level elective unit we focus on the principles which direct the collection, analysis and presentation of the electronic or digital evidence available to a forensic investigator, and the techniques that are used in order to ensure that those principles are met for evidentiary requirements.

Prerequisite(s): INN255, ITN730 **Corequisite(s):** INN250 Computer Architectures and Systems, INN251 Networks
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN774, ITN673

INN570 Internationalisation of Software

Software is now a global market, and developers need to be able to produce applications that can be used in many different cultures and nations. There is a significant body of enabling technology that allows efficient and cost effective development of applications that can be used in diverse contexts. Understanding the principles and the technologies

involved in internationalisation and localisation is essential for companies seeking to go global or that are already global.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Incompatible with: Nil

INN600 Advanced Readings 1

The aim of this unit is to broaden your understanding of potential research topics and methods and support you in developing essential skills that enable clarity and focus in investigating IT research; rigour in evaluating claims and accuracy in your understanding of domain problems, related theories and methodologies appropriate to your specialist area.

Prerequisite(s): Min of 48 credit points in postgraduate studies **Corequisite(s):** Nil **Credit points:** 12
Campus: Gardens Point **Incompatible with:** Nil

INN601 Advanced Readings 2

The aim of this unit is to broaden your understanding of potential research topics and methods and support you in developing essential skills that enable clarity and focus in investigating IT research; rigour in evaluating claims and accuracy in your understanding of domain problems, related theories and methodologies appropriate to your specialist area.

Prerequisite(s): Min of 48 credit points in postgraduate studies **Corequisite(s):** Nil **Credit points:** 12
Campus: Gardens Point **Incompatible with:** Nil

INN602 Advanced Readings 3

The aim of this unit is to broaden your understanding of potential research topics and methods and support you in developing essential skills that enable clarity and focus in investigating IT research; rigour in evaluating claims and accuracy in your understanding of domain problems, related theories and methodologies appropriate to your specialist area.

Prerequisite(s): Min of 48 credit points in postgraduate studies **Corequisite(s):** Nil **Credit points:** 12
Campus: Gardens Point **Incompatible with:** Nil

INN605 Advanced Research 1

The aim of this unit is to broaden your understanding of potential research topics and methods and support you in developing essential skills that enable clarity and focus in investigating IT research; rigour in evaluating claims and accuracy in your understanding of domain problems, related theories and methodologies appropriate to your specialist area.

Prerequisite(s): Min of 48 credit points in postgraduate studies **Corequisite(s):** Nil **Credit points:** 12
Campus: Gardens Point **Incompatible with:** Nil

INN606 Advanced Research 2

The aim of this unit is to broaden your understanding of potential research topics and methods and support you in

developing essential skills that enable clarity and focus in investigating IT research; rigour in evaluating claims and accuracy in your understanding of domain problems, related theories and methodologies appropriate to your specialist area.

Prerequisite(s): Min of 48 credit points in postgraduate studies **Corequisite(s):** Nil **Credit points:** 12
Campus: Gardens Point **Incompatible with:** Nil

INN607 Advanced Research 3

The aim of this unit is to broaden your understanding of potential research topics and methods and support you in developing essential skills that enable clarity and focus in investigating IT research; rigour in evaluating claims and accuracy in your understanding of domain problems, related theories and methodologies appropriate to your specialist area.

Prerequisite(s): Min of 48 credit points in postgraduate studies **Corequisite(s):** Nil **Credit points:** 12
Campus: Gardens Point **Incompatible with:** Nil

INN610 Case Studies in Enterprise Systems

This unit seeks to develop business process analysts capable of working as consultants. It seeks to develop the generic skills expected in graduates and in particular to develop better interpersonal skills, better written and oral communication skills, skills in conflict resolution, negotiation, project planning and project management. You will learn to identify, analyse and consider interdependencies. You will increase your awareness for the challenges of teamwork. The projects also allow you to apply the theoretical knowledge gained in the pre-requisite unit to real practical problems. Overall, you will get insights into the skills, tools and services of consultants.

Prerequisite(s): INN321 with a grade of 6 and GPA of at least 6 **Corequisite(s):** Nil **Credit points:** 12
Campus: Gardens Point **Incompatible with:** Nil

INN630 Evidence Based Practice

This unit is designed to enable individuals to come to a better understanding of their capacities as professionals and future managers and leaders, using evidence based practices.

The semester offering will be during Winter and the unit is run as an intensive short course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12
Campus: Gardens Point **Incompatible with:** Nil

INN631-1 Executive Coaching

This unit has been developed as an overarching unit in the Executive Information Practice program, to establish meaningful links between the various units of study and to introduce you to key aspects of management and leadership as well as personal and professional development as you continue along your career journey. This unit is designed to enable individuals to come to a better understanding of their capacities as professionals and future managers and leaders. The unit is structured as a sequence of six modules, completed as you progress

through the course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 2
Campus: Gardens Point **Incompatible with:** ITN280-1

INN631-2 Executive Coaching

This unit has been developed as an overarching unit in the Executive Information Practice program, to establish meaningful links between the various units of study and to introduce you to key aspects of management and leadership as well as personal and professional development as you continue along your career journey. This unit is designed to enable individuals to come to a better understanding of their capacities as professionals and future managers and leaders. The unit is structured as a sequence of six modules, completed as you progress through the course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 2
Campus: Gardens Point **Incompatible with:** ITN280-2

INN631-3 Executive Coaching

This unit has been developed as an overarching unit in the Executive Information Practice program, to establish meaningful links between the various units of study and to introduce you to key aspects of management and leadership as well as personal and professional development as you continue along your career journey. This unit is designed to enable individuals to come to a better understanding of their capacities as professionals and future managers and leaders. The unit is structured as a sequence of six modules, completed as you progress through the course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 2
Campus: Gardens Point **Incompatible with:** ITN280-3

INN631-4 Executive Coaching

This unit has been developed as an overarching unit in the Executive Information Practice program, to establish meaningful links between the various units of study and to introduce you to key aspects of management and leadership as well as personal and professional development as you continue along your career journey. This unit is designed to enable individuals to come to a better understanding of their capacities as professionals and future managers and leaders. The unit is structured as a sequence of six modules, completed as you progress through the course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 2
Campus: Gardens Point **Incompatible with:** ITN280-4

INN631-5 Executive Coaching

This unit has been developed as an overarching unit in the Executive Information Practice program, to establish meaningful links between the various units of study and to introduce you to key aspects of management and leadership as well as personal and professional development as you continue along your career journey. This unit is designed to enable individuals to come to a better understanding of their capacities as professionals and future managers and leaders. The unit is structured as a

sequence of six modules, completed as you progress through the course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 2 **Campus:** Gardens Point **Incompatible with:** ITN280-5

INN631-6 Executive Coaching

This unit has been developed as an overarching unit in the Executive Information Practice program, to establish meaningful links between the various units of study and to introduce you to key aspects of management and leadership as well as personal and professional development as you continue along your career journey. This unit is designed to enable individuals to come to a better understanding of their capacities as professionals and future managers and leaders. The unit is structured as a sequence of six modules, completed as you progress through the course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 2 **Campus:** Gardens Point **Incompatible with:** ITN280-6

INN631 Executive Coaching

This unit has been developed as an overarching unit in the Executive Information Practice program, to establish meaningful links between the various units of study and to introduce you to key aspects of management and leadership as well as personal and professional development as you continue along your career journey. This unit is designed to enable individuals to come to a better understanding of their capacities as professionals and future managers and leaders. The unit is structured as a sequence of six modules, completed as you progress through the course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Campus:** Gardens Point **Incompatible with:** Nil

INN632-1 Professional Practice

This unit has been developed as an overarching unit in the IT70 Master of Information Management program, to establish meaningful links between the various units of study and to introduce you to contemporary professional practice in information agencies. The unit focuses on your own personal and professional development, enabling you to participate in industry seminars, fieldtrips, work placements and career mentoring. The development of your understanding of reflective practice will help you build your own Student ePortfolio to document your insights into and your experiences in the information profession. The unit is structured as a sequence of six modules, completed as you progress through the course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 2 **Campus:** Gardens Point **Incompatible with:** ITN280

INN632-2 Professional Practice

This unit has been developed as an overarching unit in the IT70 Master of Information Management program, to establish meaningful links between the various units of study and to introduce you to contemporary professional practice in information agencies. The unit focuses on your own personal and professional development, enabling you to participate in industry seminars, fieldtrips, work

placements and career mentoring. The development of your understanding of reflective practice will help you build your own Student ePortfolio to document your insights into and your experiences in the information profession. The unit is structured as a sequence of six modules, completed as you progress through the course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 2 **Campus:** Gardens Point **Incompatible with:** ITN280

INN632-3 Professional Practice

This unit has been developed as an overarching unit in the IT70 Master of Information Management program, to establish meaningful links between the various units of study and to introduce you to contemporary professional practice in information agencies. The unit focuses on your own personal and professional development, enabling you to participate in industry seminars, fieldtrips, work placements and career mentoring. The development of your understanding of reflective practice will help you build your own Student ePortfolio to document your insights into and your experiences in the information profession. The unit is structured as a sequence of six modules, completed as you progress through the course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 2 **Campus:** Gardens Point **Incompatible with:** ITN280

INN632-4 Professional Practice

This unit has been developed as an overarching unit in the IT70 Master of Information Management program, to establish meaningful links between the various units of study and to introduce you to contemporary professional practice in information agencies. The unit focuses on your own personal and professional development, enabling you to participate in industry seminars, fieldtrips, work placements and career mentoring. The development of your understanding of reflective practice will help you build your own Student ePortfolio to document your insights into and your experiences in the information profession. The unit is structured as a sequence of six modules, completed as you progress through the course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 2 **Campus:** Gardens Point **Incompatible with:** ITN280

INN632-5 Professional Practice

This unit has been developed as an overarching unit in the IT70 Master of Information Management program, to establish meaningful links between the various units of study and to introduce you to contemporary professional practice in information agencies. The unit focuses on your own personal and professional development, enabling you to participate in industry seminars, fieldtrips, work placements and career mentoring. The development of your understanding of reflective practice will help you build your own Student ePortfolio to document your insights into and your experiences in the information profession. The unit is structured as a sequence of six modules, completed as you progress through the course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 2 **Campus:** Gardens Point **Incompatible with:** ITN280

INN632-6 Professional Practice

This unit has been developed as an overarching unit in the IT70 Master of Information Management program, to

establish meaningful links between the various units of study and to introduce you to contemporary professional practice in information agencies. The unit focuses on your own personal and professional development, enabling you to participate in industry seminars, fieldtrips, work placements and career mentoring. The development of your understanding of reflective practice will help you build your own Student ePortfolio to document your insights into and your experiences in the information profession. The unit is structured as a sequence of six modules, completed as you progress through the course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 2 **Campus:** Gardens Point **Incompatible with:** ITN280

INN650 Advanced Network Management

Computer networks are an essential component of modern civilization. Students undertaking this unit will have previously learned the fundamental theory and practical aspects of network administration and management. This unit builds upon that foundation and extends the knowledge and skills to enterprise wide networks which are significantly more complex than small networks. Security of enterprise wide networks is an important issue in this unit, along with network management systems.

Prerequisite(s): An introductory unit in Network Administration, e.g ITB721, ITN721, ITN665, ITB625
Corequisite(s): Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** ITN771

INN651 Security Technologies

This unit aims to provide you with the knowledge to investigate and determine the security requirements for computer systems and networks and to understand the underlying issues and problems. In addition, this unit aims to enable you to investigate, evaluate and select the most appropriate security technologies for specific situations.

Prerequisite(s): Nil **Corequisite(s):** INN255 or ITN730 or ITN161 **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** ITN731 or ITN670

INN652 Advanced Cryptology

This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial development project in advanced cryptology. The ability to apply technical knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful project management.

Prerequisite(s): INN652 or equivalent **Corequisite(s):** Nil
Credit points: 12 **Campus:** Gardens Point
Incompatible with: ITN765

INN690 Minor Project 1

The aims of this unit are to help you acquire necessary skills in a problem domain, and to enable you to conduct a well-

defined project with specific outcomes within a precisely defined project plan. This unit also teaches you how to prepare a well written project report.

Prerequisite(s): Min of 48 credit points in postgraduate studies **Corequisite(s):** Nil **Credit points:** 12
Campus: Gardens Point **Incompatible with:** Nil

INN691 Minor Project 2

The aims of this unit are to help you acquire necessary skills in a problem domain, and to enable you to conduct a well-defined project with specific outcomes within a precisely defined project plan. This unit also teaches you how to prepare a well written project report.

Prerequisite(s): Min of 48 credit points in postgraduate studies **Corequisite(s):** Nil **Credit points:** 12
Campus: Gardens Point **Incompatible with:** Nil

INN692 Minor Project 3

The aims of this unit are to help you acquire necessary skills in a problem domain, and to enable you to conduct a well-defined project with specific outcomes within a precisely defined project plan. This unit also teaches you how to prepare a well written project report.

Prerequisite(s): Min of 48 credit points in postgraduate studies **Corequisite(s):** Nil **Credit points:** 12
Campus: Gardens Point **Incompatible with:** Nil

INN693 Project

The aims of this unit are to help you acquire necessary skills in a problem domain, and to enable you to conduct a well-defined project with specific outcomes within a precisely defined project plan. This unit also teaches you how to prepare a well written project report.

Prerequisite(s): Min of 48 credit points in postgraduate studies **Corequisite(s):** Nil **Credit points:** 24
Campus: Gardens Point **Incompatible with:** Nil

INN694-1 Project 1

This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial development project. The ability to apply technical knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful project management.

Prerequisite(s): Min of 48 credit points in postgraduate studies **Corequisite(s):** Nil **Credit points:** 12
Campus: Gardens Point **Incompatible with:** Nil

INN694-2 Project

This unit gives you the opportunity to apply, under appropriate guidance, the knowledge and skills gained in your course to date and to execute a substantial

development project. The ability to apply technical knowledge and skills to real-life situations is essential for information technology professionals. A substantial project, under academic supervision, will develop your initiative and ability to apply your knowledge and skills in a professional capacity. Completing the project will also enable you to appreciate the complementary nature of the course material in total, particularly the need for careful project management.

Prerequisite(s): Min of 48 credit points in postgraduate studies **Corequisite(s):** Nil **Credit points:** 12
Campus: Gardens Point **Incompatible with:** Nil

INN695 Major Project

The aims of this unit are to help you acquire necessary skills in a problem domain, and to enable you to conduct a well-defined project with specific outcomes within a precisely defined project plan. This unit also teaches you how to prepare a well written project report.

Prerequisite(s): Min of 48 credit points in postgraduate studies **Corequisite(s):** Nil **Credit points:** 48
Campus: Gardens Point **Incompatible with:** Nil

INN696-1 Major Project 1

The aims of this unit are to help you acquire necessary skills in a problem domain, and to enable you to conduct a well-defined project with specific outcomes within a precisely defined project plan. This unit also teaches you how to prepare a well written project report.

Prerequisite(s): Min of 48 credit points in postgraduate studies **Corequisite(s):** Nil **Credit points:** 24
Campus: Gardens Point **Incompatible with:** Nil

INN696-2 Major Project 2

The aims of this unit are to help you acquire necessary skills in a problem domain, and to enable you to conduct a well-defined project with specific outcomes within a precisely defined project plan. This unit also teaches you how to prepare a well written project report.

Prerequisite(s): Min of 48 credit points in postgraduate studies **Corequisite(s):** Nil **Credit points:** 24
Campus: Gardens Point **Incompatible with:** Nil

INN700 Introduction To Research

This unit is aimed at those seeking to undertake a major research project. Except in unusual circumstances, you should have a project in mind and have organised a supervisor.

Prerequisite(s): Min GPA 5 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** previously offered as ITN100

INN701 Advanced Research Methodologies

This unit is 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 expertise is available. See School of Information Systems announcements for details of

topics being offered.

Prerequisite(s): Nil **Corequisite(s):** INN700 (not required for non-FIT students) **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** ITN269

INR100-1 Thesis 1

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INR100-2 Thesis 1

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INR100-3 Thesis 1

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INR100-4 Thesis 1

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INR100-5 Thesis 1

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INR100-6 Thesis 1

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INR100-7 Thesis 1

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding

Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil Corequisite(s): Nil Credit points:
12 Campus: Gardens Point Incompatible with: Nil

unit involves the design and development of a thesis The unit involves the design and development of a thesis

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil Corequisite(s): Nil Credit points:
12 Campus: Gardens Point Incompatible with: Nil

unit involves the design and development of a thesis The unit involves the design and development of a thesis

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil Corequisite(s): Nil Credit points:
12 Campus: Gardens Point Incompatible with: Nil

unit involves the design and development of a thesis The unit involves the design and development of a thesis

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil Corequisite(s): Nil Credit points:
24 Campus: Gardens Point Incompatible with: Nil

unit involves the design and development of a thesis The unit involves the design and development of a thesis

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil Corequisite(s): Nil Credit points:
24 Campus: Gardens Point Incompatible with: Nil

unit involves the design and development of a thesis The unit involves the design and development of a thesis

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil Corequisite(s): Nil Credit points:
24 Campus: Gardens Point Incompatible with: Nil

unit involves the design and development of a thesis The unit involves the design and development of a thesis

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil Corequisite(s): Nil Credit points:
24 Campus: Gardens Point Incompatible with: Nil

unit involves the design and development of a thesis The unit involves the design and development of a thesis

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding

Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil Corequisite(s): Nil Credit points:
24 Campus: Gardens Point Incompatible with: Nil

unit involves the design and development of a thesis The unit involves the design and development of a thesis

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 24 **Campus:** Gardens Point **Incompatible with:** Nil

unit involves the design and development of a thesis The unit involves the design and development of a thesis

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 24 **Campus:** Gardens Point **Incompatible with:** Nil

unit involves the design and development of a thesis The unit involves the design and development of a thesis

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 24 **Campus:** Gardens Point **Incompatible with:** Nil

unit involves the design and development of a thesis The unit involves the design and development of a thesis

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 24 **Campus:** Gardens Point **Incompatible with:** Nil

unit involves the design and development of a thesis The unit involves the design and development of a thesis

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 24 **Campus:** Gardens Point **Incompatible with:** Nil

unit involves the design and development of a thesis The unit involves the design and development of a thesis

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil Corequisite(s): Nil Credit points:
24 Campus: Gardens Point Incompatible with: Nil

unit involves the design and development of a thesis The unit involves the design and development of a thesis

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding

Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 24 **Campus:** Gardens Point **Incompatible with:** Nil

INR500-6 Thesis 5

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 24 **Campus:** Gardens Point **Incompatible with:** Nil

INR500-7 Thesis 5

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 24 **Campus:** Gardens Point **Incompatible with:** Nil

INR500-8 Thesis 5

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 24 **Campus:** Gardens Point **Incompatible with:** Nil

INR500-9 Thesis 5

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 24 **Campus:** Gardens Point **Incompatible with:** Nil

INR500-10 Thesis 5

The unit involves the design and development of a thesis topic. Together with ITN100 and the corresponding Literature Review, this unit provides the foundation for ongoing work, and in conjunction with subsequent ITR100 units will form the basis of a thesis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 24 **Campus:** Gardens Point **Incompatible with:** Nil

INS010 Full Year Co-operative Education

The Cooperative Education Program offered by the Faculty of Information Technology (also referred to within QUT as the Work-integrated Learning Program) will give you on-the-job experience through a one-year paid placement with one of our industry partners. Participation in the Cooperative Education Program offers you a real-world IT setting in which you can integrate and apply the skills you have already developed to this point in your course. It will also give you the opportunity for personal growth by allowing you to identify the complete range of both technical and non-technical skills that you may need to enhance or develop in

order to have a successful career in the IT industry.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 24 **Campus:** Gardens Point **Incompatible with:** Nil

INS011 Co-operative Education 1

The Cooperative Education Program offered by the Faculty of Information Technology (also referred to within QUT as the Work-integrated Learning Program) will give you on-the-job experience through a one-year paid placement with one of our industry partners. Participation in the Cooperative Education Program offers you a real-world IT setting in which you can integrate and apply the skills you have already developed to this point in your course. It will also give you the opportunity for personal growth by allowing you to identify the complete range of both technical and non-technical skills that you may need to enhance or develop in order to have a successful career in the IT industry.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INS012 Co-operative Education 2

The Cooperative Education Program offered by the Faculty of Information Technology (also referred to within QUT as the Work-integrated Learning Program) will give you on-the-job experience through a one-year paid placement with one of our industry partners. Participation in the Cooperative Education Program offers you a real-world IT setting in which you can integrate and apply the skills you have already developed to this point in your course. It will also give you the opportunity for personal growth by allowing you to identify the complete range of both technical and non-technical skills that you may need to enhance or develop in order to have a successful career in the IT industry.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INS020 Professional Experience (Undergraduate)

The Cooperative Education Program offered by the Faculty of Information Technology (also referred to within QUT as the Work-integrated Learning Program) will give you on-the-job experience through a one-year paid placement with one of our industry partners. Participation in the Cooperative Education Program offers you a real-world IT setting in which you can integrate and apply the skills you have already developed to this point in your course. It will also give you the opportunity for personal growth by allowing you to identify the complete range of both technical and non-technical skills that you may need to enhance or develop in order to have a successful career in the IT industry.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INS040 Professional Experience (Postgraduate)

The Cooperative Education Program offered by the Faculty of Information Technology (also referred to within QUT as the Work-integrated Learning Program) will give you on-the-job experience through a one-year paid placement with one of our industry partners. Participation in the Cooperative Education Program offers you a real-world IT setting in

which you can integrate and apply the skills you have already developed to this point in your course. It will also give you the opportunity for personal growth by allowing you to identify the complete range of both technical and non-technical skills that you may need to enhance or develop in order to have a successful career in the IT industry.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INS350 CCNA 1&2 Network Fundamentals and Routing

This unit provides in-demand Internet technology skills for designing, building and maintaining networks. Combining instructor-led, online education with hands-on laboratory exercises, the curriculum enables students to apply what they learn in class while working on actual networks. From building basic networking skills to advanced VLAN troubleshooting, the Networking Academy curriculum prepares students for industry certification that lead to lifelong opportunities. Particular emphasis is given to using decision-making and problem-solving techniques in the application of science, mathematics, communication and social studies concepts to solve networking problems.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INS351 CCNA 3&4 Lan Switching

This unit is the second step to a Cisco career certification path. The aim of this unit is to prepare students for the topics covered in Interconnecting Cisco Networking Devices Part 2 (ICND2) v1.0 (640-816) and Cisco Certified Network Associate Exam (CCNA 640-802). The ICND exam is one of the two qualifying exams available to candidates pursuing a two-exam option for the Cisco Certified Network Associate (CCNA) certification and CCNA 640-802, single-exam option for the Cisco Certified Network Associate CCNA certification.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INS352 CCNP1: Building Scalable Internetworks

This unit is the second step to a Cisco career certification path. It provides more knowledge and practical skills on Wide Area Network through various routing protocols and layer 2 related technologies. This unit provides you with advanced level of study on WAN technologies.

Prerequisite(s): INS350, INS351 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** ITB011, ITB012

INS353 CCNP 2: Building Multi Layered Switched Networks

This unit provides more knowledge and practical skills on building multi-layered switched networks. The aim of the unit is to provide professional knowledge and skills focusing on multi layered switched networks.

Prerequisite(s): INS350, INS351 **Corequisite(s):** Nil

Credit points: 12 **Campus:** Gardens Point **Incompatible with:** ITB012

INS354 CCNP3: Building Multi Layered Switched Networks

This unit is the second step to a Cisco career certification path. It provides more knowledge and practical skills on securing enterprise networks with various security technologies. The aim of this unit is to provide professional knowledge and skills focusing on securing LANs and WANs environment.

Prerequisite(s): INS350, INS351 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** ITB011, ITB012

INS355 CCNP 4: Optimising Converged Networks

This unit provides more knowledge and practical skills on optimising converged networks. The aim of the unit is to provide professional knowledge and skills focusing on converged networks.

Prerequisite(s): INS350, INS351 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB011, ITB012

INS356 Voice Over IP 1

This unit provides internet technology skills for converged voice and data networks as well as the challenges faced by its various technologies. This unit presents generic solutions and implementation considerations to address those challenges. Students will learn about PSTN, Voice over IP network architecture, Voice over IP system components, features, and Quality of Service (QoS) technologies. In particular this unit focuses on developing understanding on the latest VoIP technologies and skills to build VoIP integrated campus networks.

Prerequisite(s): INS350 and INS351 **Corequisite(s):** Nil **Campus:** Gardens Point **Incompatible with:** ITB011 and ITB012

INS357 Voice Over IP 2

This unit provides internet technology skills for converged voice and data networks as well as the challenges faced by its various technologies. This unit presents generic solutions and implementation considerations to address those challenges. Students will learn about PSTN, Voice over IP network architecture, Voice over IP system components, features, and Quality of Service (QoS) technologies. In particular this unit focuses on developing understanding on the latest VoIP technologies and skills to build VoIP integrated campus networks.

Prerequisite(s): INS350, INS351 **Corequisite(s):** Nil **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITB011 and ITB012

INS450 CCNA 1 and 2 Network Fundamentals and Routing

This unit provides in-demand Internet technology skills for designing, building and maintaining networks. Combining instructor-led, online education with hands-on laboratory

exercises, the curriculum enables students to apply what they learn in class while working on actual networks. From building basic networking skills to advanced VLAN troubleshooting, the Networking Academy curriculum prepares students for industry certification that lead to lifelong opportunities. Particular emphasis is given to using decision-making and problem-solving techniques in the application of science, mathematics, communication and social studies concepts to solve networking problems.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

INS451 CCNA 3 and 4 Lan Switching

This unit is the second step to a Cisco career certification path. The aim of this unit is to prepare students for the topics covered in Interconnecting Cisco Networking Devices Part 2 (ICND2) v1.0 (640-816) and Cisco Certified Network Associate Exam (CCNA 640-802). The ICND exam is one of the two qualifying exams available to candidates pursuing a two-exam option for the Cisco Certified Network Associate (CCNA) certification and CCNA 640-802, single-exam option for the Cisco Certified Network Associate CCNA certification.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INS452 CCNP1: Building Scalable Internetworks

This unit is the second step to a Cisco career certification path. It provides more knowledge and practical skills on Wide Area Network through various routing protocols and layer 2 related technologies. This unit provides you with advanced level of study on WAN technologies.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INS453 CCNP 2: Building Multi Layered Switched Networks

This unit provides more knowledge and practical skills on building multi-layered switched networks. The aim of the unit is to provide professional knowledge and skills focusing on multi layered switched networks.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INS454 CCNP3: Building Multi Layered Switched Networks

This unit is the second step to a Cisco career certification path. It provides more knowledge and practical skills on securing enterprise networks with various security technologies. The aim of this unit is to provide professional knowledge and skills focusing on securing LANs and WANs environment.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INS455 CCNP4: Optimising Converged Networks

This unit provides more knowledge and practical skills on optimising converged networks. The aim of the unit is to provide professional knowledge and skills focusing on converged networks.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

INS456 Voice Over IP 1

This unit provides internet technology skills for converged voice and data networks as well as the challenges faced by its various technologies. This unit presents generic solutions and implementation considerations to address those challenges. Students will learn about PSTN, Voice over IP network architecture, Voice over IP system components, features, and Quality of Service (QoS) technologies. In particular this unit focuses on developing understanding on the latest VoIP technologies and skills to build VoIP integrated campus networks.

Prerequisite(s): INS450, INS451 **Corequisite(s):** Nil **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** ITN011, ITN012

INS457 Voice Over IP 2

This unit provides internet technology skills for converged voice and data networks as well as the challenges faced by its various technologies. This unit presents generic solutions and implementation considerations to address those challenges. Students will learn about PSTN, Voice over IP network architecture, Voice over IP system components, features, and Quality of Service (QoS) technologies. In particular this unit focuses on developing understanding on the latest VoIP technologies and skills to build VoIP integrated campus networks.

Prerequisite(s): INS450, INS451 **Corequisite(s):** Nil **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** Nil

ITD001 Problem Solving and Programming

This unit aims to give you a positive introduction to the analytical skills required in computer programming. It assumes you have little or no previous programming experience. The unit emphasises generic programming concepts and related problem-solving strategies. The skills you learn in the unit will be applicable to a wide variety of commonly-used, industrially-significant programming and scripting languages

Credit points: 12 **Contact hours:** 4 **Campus:** Kelvin Grove **Incompatible with:** ITD111

ITD002 IT Professional Studies

This unit aims to develop your professional skills and capabilities by providing theoretical and practical opportunities in the following areas: how IT teams operate, effective oral and written communication, team meeting processes and procedures, ethical and social responsibilities of the IT professional, information literacy and traits for life long learning. Demonstrable competency in

these areas will be an expectation in subsequent units and will be developed further in them.

Credit points: 12 **Contact hours:** 4 **Campus:** Kelvin Grove **Incompatible with:** ITD116

ITD003 Object Oriented Programming

Object Oriented Programming aims to develop your software design and development skills gained in ITD001, taking you from procedural programming and problem solving into an Object Oriented approach. This unit is required by all IT majors, and is designed to be complimentary to ITB008 Modelling, Analysis and Design. You will use industry standard design approaches coupled with an industrial strength programming language to design and implement a real-life software application. Along the way, you will gain a solid foundation in the principals of OOP, including encapsulation, polymorphism and inheritance, allowing you to solve real-world problems using the Object-Oriented design paradigm.

Credit points: 12 **Contact hours:** 4 **Campus:** Kelvin Grove **Incompatible with:** ITD112

ITD004 Database Systems

The aim of this unit is to introduce you to the structure and role of databases in modern businesses.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** ITD115

ITD005 Systems Architecture

The aims of this unit are twofold. First is to introduce you to the challenging field of Systems Architecture and provide you with practical skills in using a range of modern computer operating systems through the presentation of case studies involving current technology and their relationship and interconnection within a contemporary computer systems architecture; and secondly, to provide you with sufficient knowledge to enable you at the completion of this unit, to make informed choices about areas of specialisation within your degree and be well prepared to undertake specialist units of your choice.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

ITD006 Networks

The aim of the unit is to provide an introductory study of computer networks within the IT profession.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

JSB171 Justice and Society

The Justice degree is about producing competent justice professionals. In order to achieve this purpose, this degree combines knowledge of the criminal justice system with an understanding and appreciation of the complexities of social justice. The purpose of this unit is to introduce students to the structural parameters of social justice.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB131, JSB011, JSB101

JSB171 Justice and Society

The Justice degree is about producing competent justice professionals. In order to achieve this purpose, this degree combines knowledge of the criminal justice system with an understanding and appreciation of the complexities of social justice. The purpose of this unit is to introduce students to the structural parameters of social justice.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB131, JSB011, JSB101

JSB172 Introduction To Crime Research

There are a range of skills which are essential for students studying the Bachelor of Justice degree. This unit introduces basic skills in research and written communication in order to lay a successful foundation for academic and professional achievement

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB132, JSB012, JSB104

JSB172 Introduction To Crime Research

There are a range of skills which are essential for students studying the Bachelor of Justice degree. This unit introduces basic skills in research and written communication in order to lay a successful foundation for academic and professional achievement

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB132, JSB012, JSB104

JSB173 Understanding the Criminal Justice System

The Justice Studies degree is about producing competent justice professionals. In order to achieve this purpose, this degree combines knowledge of the criminal justice system with an understanding and appreciation of the complexities of social justice. This unit provides a clear overview and critical examination of the Australian criminal justice system.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB135, JSB015, JSB202

JSB173 Understanding the Criminal Justice System

The Justice Studies degree is about producing competent justice professionals. In order to achieve this purpose, this degree combines knowledge of the criminal justice system with an understanding and appreciation of the complexities of social justice. This unit provides a clear overview and critical examination of the Australian criminal justice system.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB135, JSB015, JSB202

JSB174 Forensic Psychology and the Law

Forensic Psychology is readily acknowledged as one of the fastest growing areas of psychology in the world. Psychologists are now involved significantly in policing, judicial procedures and correctional processes. The term 'forensic' literally means 'of or used in law courts' (Australian Oxford Paperback Dictionary). The term 'psychology and the law', however, is now used more generally to describe the different ways in which psychology and law intersect - namely the psychology of the law, psychology in the law, and psychology by the law. By its very nature the study of

psychology and law draws from a wide multi-disciplinary base for the application of specialised knowledge. As a student of this discipline area, you will need a broad introductory appreciation of (and a critical perspective on) what the study of psychology and the law involves and what it has to offer across the three criminal justice domains of the police, the courts, and corrections.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB136

JSB175 Social Ethics and the Justice System

It is essential for those employed within the justice system be able to competently and confidently work at the borders between ethics and the law. Ethical ability will enable practitioners to critically assess the moral status of current laws, to interpret acceptable standards of behaviour in situations not covered by the laws, and to develop shared understandings of moral responsibility in justice organizations and the wider community.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB134

JSB175 Social Ethics and the Justice System

It is essential for those employed within the justice system be able to competently and confidently work at the borders between ethics and the law. Ethical ability will enable practitioners to critically assess the moral status of current laws, to interpret acceptable standards of behaviour in situations not covered by the laws, and to develop shared understandings of moral responsibility in justice organizations and the wider community.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB134

JSB176 Criminal Law in Context

Justice students work, or hope to work, as justice professionals in areas related to the Criminal Justice System or Human Rights. They need an understanding of fundamental principles of criminal law and of social justice issues related to criminal law. Laypeople may assume that the law is shaped by rational decisions aimed at reducing crime and punishing wrongdoing, when in fact a closer examination of the policy underpinnings, the substance of the law and the way in which it is applied demonstrates that such an analysis is overly simplistic. A deeper understanding of the forces that shape the law and the way the law's application can distort its policy objectives is essential to those who wish to contribute to more effective laws.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB242, JSB024, JSB204

JSB176 Criminal Law in Context

Justice students work, or hope to work, as justice professionals in areas related to the Criminal Justice System or Human Rights. They need an understanding of fundamental principles of criminal law and of social justice

issues related to criminal law. Laypeople may assume that the law is shaped by rational decisions aimed at reducing crime and punishing wrongdoing, when in fact a closer examination of the policy underpinnings, the substance of the law and the way in which it is applied demonstrates that such an analysis is overly simplistic. A deeper understanding of the forces that shape the law and the way the law's application can distort its policy objectives is essential to those who wish to contribute to more effective laws.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB242, JSB024, JSB204

JSB177 Crimes of Violence

Justice students work, or hope to work, as justice professionals in areas related to the criminal justice system or human rights. They need an understanding of fundamental principles of criminal law and of social justice issues related to criminal law. Students undertaking the Criminology and Policing major need to understand issues of criminal procedure and due process, as well as specific contexts of criminal law.

Crimes of violence provides students with an understanding of the forces that shape this area of the law and the rationales for its implementation.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Incompatible with:** JSB138

JSB177 Crimes of Violence

Justice students work, or hope to work, as justice professionals in areas related to the criminal justice system or human rights. They need an understanding of fundamental principles of criminal law and of social justice issues related to criminal law. Students undertaking the Criminology and Policing major need to understand issues of criminal procedure and due process, as well as specific contexts of criminal law.

Crimes of violence provides students with an understanding of the forces that shape this area of the law and the rationales for its implementation.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Incompatible with:** JSB138

JSB271 Policy Governance and Justice

This unit will enable you to become familiar with policy-making practices and wider issues of governance. The unit aims to introduce the theory and practice of public policy with an emphasis on policy issues relevant to criminal and social justice. It analyses processes in policy development such as policy formation, writing, implementation and evaluation. You will gain tools for participating in policy development processes in both the public and community sectors.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB251, JSB081

JSB272 Theories of Crime

The main aim of this unit is to introduce the student to the study of theoretical criminology. This unit will address the social context of crime but is not exclusively sociological. The study of criminology is essentially multi-disciplinary and this is reflected in the diversity of theoretical approaches. Theory is typically offered as distinct from methods of research, however, together they provide the foundation for policy and practice. The unit provides an analytical framework in order to critically assess the epistemological claims and justifications found in criminological theory. Criminological theories are viewed embedded governmental practices aimed at ensuring the regulation and control of particular 'problem populations'.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB231, JSB018

JSB273 Crime Research Methods

This subject builds upon research skills acquired in first year study and is thus intended to provide knowledge and skills in research design and methodology for use in the fields of criminal justice, justice administration and criminology. The aims of this unit are three-fold. First, to revisit issues central to the research process. Second, to introduce students to a variety of research design models, data collection techniques and data analyses. Third, to give students the practical skills in writing a research proposal, carrying out a research project and reporting the research results. This subject, offered as a compulsory primary major unit in both the Criminology and Policing primary majors and sets the foundation for research in the justice honours program.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB933, 043

JSB274 Policing in Context

This unit studies the diverse roles, duties, powers and problems of policing in Australia with the primary focus on sworn police officers and also the approaches of policing in Australia across three key sections. The first section called 'Principles of Policing', comprises of four modules that cover the principle knowledge needed for understanding the policing history, context and structure in Australia. The second section is 'Specialisation' which focusses in closer detail the actual skills, tasks and operations that police are expected to engage in as part of their core skill requirements. In the final section, 'Issues', the module reflects on contemporary issues that are enhancing the task of police work and may potentially change its areas of specialisation.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** Nil

JSB371 Indigenous Justice

In the context of increasing public and institutional concern for the recognition of the political, social, cultural and legal rights of Indigenous peoples, it is essential that those who work in the justice system have an understanding of contemporary Indigenous justice issues. All justice professionals require a sound grasp of the unique aspects of Indigenous culture and society which impact upon the

interaction of Indigenous people with the justice system. The operation of both the criminal and civil justice systems in Australia has, at times, been characterised by inequity, intolerance and ignorance in the development and implementation of policies directed towards Indigenous people. This unit explores the major areas of interaction between Indigenous Australians and the justice and legal systems and seeks to raise awareness of those factors which inhibit the formulation of sound policy and practice.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB352

JSB372 Youth Justice

This unit is concerned with the way in which a 'youth crime problem' is constructed and the implications of this for particular cohorts of young people in contemporary Australia. It is also concerned with the administration and management of youth crime through formal systems designed to prevent and reduce unlawful acts. Particular attention is drawn to the historical development of youth justice in Australia and to the changing nature of youth crime control across jurisdictions. Contemporary articulations of youth crime control are examined in relation to Queensland's system of youth justice, particularly as this relates to young indigenous people, young women and those from various social classes and ethnic groups. Theoretically, the unit takes as its starting point a genealogical analysis that focuses on questions of knowledge, power, regulation and discipline. These are discussed in relation to the contemporary government of young people in Australia and other 'western' countries.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB232, JSB041

JSB373 Crime and Punishment

This unit sets out to examine punishment and correction in contemporary Western society. What does contemporary corrections look like? In the last decade, across the Western world, there has been a massive growth in prisoner numbers and in the industry of corrections, and a decreasing use of community alternatives to prison. What does the near future hold? More prisons or less? More community corrections or less? Technological developments, increasing privatisation and expanding captive labour forces all have implications for the future of the prison. Technologies of surveillance look set to play a greater role in community corrections, and may lead to a further widening of the net of social control. To what extent will political and economic imperatives, rather than wide and open social discourse, dictate the future of our corrections systems? Should our response to crime be based on punishment?

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB331 and JSB233 if done in combination

JSB374 Crime Prevention

The aim of this unit is threefold. First, the unit will discuss in detail the complex relationship which exists between the crime problem, the creation of criminality and traditional

responses to crime. Second, the unit will discuss crime prevention strategies that are broader than the traditional criminal justice response as well as explore the appropriateness or otherwise of blanket responses to crime. Finally, the unit will consider the issue of how the interests of victims of crime may be adequately addressed both within and outside the criminal justice system.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB333, JSB044

JSB375 Investigative Knowledge: People and Systems in Policing

This unit is concerned with 'investigative knowledge' and 'expert systems' that have been developed to create and integrate such policing knowledge. In general "crime investigation is a seriously under-researched field" (Wright, 2002:79) and specialised areas within the investigation process per se also lack substantive research. The specific focus of the unit is on looking at expert systems that fall within the Knowledge Management arena with regard to how they relate to criminal profiling and cognitive/investigative psychology.

Prerequisite(s): JSB274, it is recommended that students be in their 3rd year of study prior to attempting this unit

Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External

JSB375 Investigative Knowledge: People and Systems in Policing

This unit is concerned with 'investigative knowledge' and 'expert systems' that have been developed to create and integrate such policing knowledge. In general "crime investigation is a seriously under-researched field" (Wright, 2002:79) and specialised areas within the investigation process per se also lack substantive research. The specific focus of the unit is on looking at expert systems that fall within the Knowledge Management arena with regard to how they relate to criminal profiling and cognitive/investigative psychology.

Prerequisite(s): JSB274 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External

JSB376 Information Management and Analysis

The policing role within society is continually changing, and since the advent of information technology the use of various hardware and software have become a basic requirement of the policing organisations. It is through the inputting and analysis of respective data that a police or law enforcement organisation can monitor the development of crime trends or criminal linkages or associations with the aid of computer technology. The aim of this unit of study is to expose you to the computer software being utilised within the professions. The unit also seeks to provide the student with the ability to process and analyse data utilising the selected software packages and subsequently proposing solutions to problems evidenced from the data analysis.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** Nil

JSB377 Intelligence and Security

Policing is increasingly taking a leading role in investigations with analysts setting a direction for criminal investigation teams. The unit exposes you to the essentials of the intelligence system, the intelligence process and creative problem solving skills. Intelligence professionals are also concerned with support to government, the private sector and the community. Intelligence offers an advantage through the provision of accurate and timely advice. Intelligence requires proficiency in thinking strategies and skills, interpersonal effectiveness skills, teamwork and application of intelligence process methodologies in a variety of cultural contexts.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB243

JSB378 Drugs and Crime

Drugs, both legal and illegal, present many challenges to individuals, their families and communities as well as the criminal justice and health systems in Australia. This course examines issues and inter-relationships between drugs and crime. The course includes a detailed examination of drug use in Australia, including trends, patterns of usage and explanations for illicit drug use. A concentrated examination of the relationships between drugs and crime is a key focus as well as the current state of policy responses to drug control and prevention in Australia and internationally.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12

JSB414-1 Thesis 1

A research thesis is the major component of the Honours course. It provides students with an opportunity to conceive, design and execute a major research project with specialist supervision. This unit in conjunction with thesis 2, 3 and 4 is a major part of the Honours program and begins the process of thesis conceptualisation and formulation. This unit provides the preparation for the honours dissertation.

Prerequisite(s): Nil **Corequisite(s):** JSB414-2, JSB414-3, JSB414-4 **Credit points:** 12 **Contact hours:** In consultation with Supervisor **Campus:** Gardens Point **Incompatible with:** Nil

JSB414-2 Thesis 2

A research thesis is the major component of the Honours course. It provides students with an opportunity to conceive, design and execute a major research project with specialist supervision. This unit in conjunction with thesis 1, 3 and 4 is a major part of the Honours program and begins the process of thesis conceptualisation and formulation. This unit provides the preparation for the honours dissertation.

Prerequisite(s): Nil **Corequisite(s):** JSB414-1, JSB414-3, JSB414-4 **Credit points:** 12 **Contact hours:** In consultation with Supervisor **Campus:** Gardens Point **Incompatible with:** Nil

JSB414-3 Thesis 3

A research thesis is the major component of the Honours course. It provides students with an opportunity to conceive, design and execute a major research project with specialist supervision. This unit in conjunction with thesis 1, 2 and 4 is a major part of the Honours program and begins the

process of thesis conceptualisation and formulation. This unit provides the preparation for the honours dissertation.
Prerequisite(s): Nil **Corequisite(s):** JSB414-1, JSB414-2, JSB414-4 **Credit points:** 12 **Contact hours:** In consultation with supervisor **Campus:** Gardens Point **Incompatible with:** Nil

JSB414-4 Thesis 4

A research thesis is the major component of the Honours course. It provides students with an opportunity to conceive, design and execute a major research project with specialist supervision. This unit in conjunction with thesis 1, 2, and 3 is a major part of the Honours program and begins the process of thesis conceptualisation and formulation. This unit provides the preparation for the honours dissertation.

Prerequisite(s): Nil **Corequisite(s):** JSB414-1, JSB414-2, JSB414-3 **Credit points:** 12 **Contact hours:** In consultation with supervisor **Campus:** Gardens Point **Incompatible with:** Nil

JSB415 Advanced Research Management

Employment as a researcher in government departments and justice agencies and the successful undertaking of higher degree study requires an ability to independently design and execute complex research projects.

The Honours year is often the first time that students have been required to research independently. An integral part of good research is the establishment of parameters within which their research should proceed. Knowledge of the literature in and around the chosen topic is vital to establishing the basis of a good research project. This unit will provide students with an opportunity to become thoroughly familiar with the bibliography of specialised literature relevant to their nominated field of research and to conduct a comprehensive research pr

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point **Incompatible with:** Nil

JSB571 Law and Education 1

This unit will provide you with the knowledge necessary to deal with half of the curriculum for the Queensland Legal Studies, Senior Syllabus 2001. The intention of the unit is to provide you with the core knowledge necessary to teach in this field rather than the teaching materials or skills. This unit will only address half of the material with the remainder being covered in Law and Education 2.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Kelvin Grove and External **Incompatible with:** Nil

JSB572 Law and Education 2

This unit will provide you with the knowledge necessary to deal with half of the curriculum for the Queensland Legal Studies, Senior Syllabus 2001. The intention of the unit is to provide you with the core knowledge necessary to teach in this field rather than the teaching materials or skills. This unit will only address half of the material with the remainder being covered in Law and Education 1.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:**

12 **Contact hours:** 3 **Campus:** Kelvin Grove and External **Incompatible with:** Nil

JSB971 Gender Crime and the Criminal Justice System

This unit examines the experiences and treatment of men and women as criminals, victims and workers within the criminal justice system by asking whether and how: a) offending patterns vary according to gender, b) experiences of victimisation differ for men and women, c) the treatment and experiences of male and female offenders, victims and workers within the criminal justice system differ. Theories about crime, victimisation and criminal justice practice in relation to gender are also explored as are intersections between gender and Indigenous status. Recent developments in criminal justice policy and practice that could potentially effect future change with regard to gender inequities are critically examined.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** Nil

JSB972 Life Course Criminology

This unit is designed as an advanced elective Unit (note the prerequisites) to provide students with an examination of crime over the life course. The life-course perspective is a popular theoretical and methodological approach to examining criminality but only receives brief examination elsewhere in the degree. The life course will be examined as an empirical field of study; taking into consideration both theoretical frameworks as well as research methodology. Attention will be given to research issues and approaches; onset, persistence and desistence in criminal activity across developmental stages; trajectories and turning points; and policy implications from the study of crime over the life course.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12

JSB974 Cyber-crime

Cybercrime is an elective unit which exposes students to the essentials of cybercrime, the global perspective of what constitutes cybercrime and its associated risks that pervade many environments, from the National Information Infrastructure and the protection of Critical Infrastructure Protection through to the individual who utilises internet banking. Cyber terrorism is also considered along with methods for counteracting the threats; and the new developments in policing and intelligence to utilise high-tech solutions.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** Nil

JSB975 Independent Study

The independent study represents an individual piece of research completed under the guidance of an academic supervisor. It may be a research study which makes a contribution to the body of knowledge in your discipline area or professional background, or a study in which you critically analyse and evaluate existing knowledge and produces observations and conclusions of relevance to the particular field of study.

Prerequisite(s): Minimum GPA of 5; In final semester of

study or completion of 192cps **Corequisite(s):** Nil
Credit points: 12 **Contact hours:** In consultation with Supervisor **Campus:** Gardens Point and External
Incompatible with: JSB931, JSB092

JSB976 Independent Study

The independent study represents an individual piece of research completed under the guidance of an academic supervisor. It may be a research study which makes a contribution to the body of knowledge in your discipline area or professional background, or a study in which you critically analyse and evaluate existing knowledge and produces observations and conclusions of relevance to the particular field of study.

Prerequisite(s): Minimum GPA of 5; In final semester of study or completion of 192cps **Corequisite(s):** Nil
Credit points: 12 **Incompatible with:** JSB931, JSB092

JSB977 Organised Crime and Terrorism

The aim of this unit is to provide knowledge and understanding of organised crime activities through an examination of problems created by organised crime for policing. Specifically it looks at three issues: a) applying Social Science perspectives to interpret Organised Crime; b) using those perspectives to develop strategies for investigating Organised Crime; and c) using them to aid police agencies to report objectively to the community on all the realities of Organised Crime.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB342, JSB053

JSB979 Forensic Scientific Evidence

The word 'forensic' once meant anything relating to a law court. However today the term 'forensic science' refers to a whole new subject: it means using science to solve legal issues. As science, and the many sub-disciplines of science, are appearing in court with ever-increasing rapidity, there is a clear need for scientists to understand the foundations to the law, the ways in which law reasons, the adversarial process, and the basics to the key area of evidence law. The aim of this unit is first to provide you with an understanding of evidence law, with a particular emphasis upon the foundations to reception of scientific evidence, and the ways in which expert scientific witnesses are received in our courts. The unit aims to clarify the links between science and law, as well as to articulate the differences between these two increasingly inter-twined disciplines.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB937

JSB979 Forensic Scientific Evidence

The word 'forensic' once meant anything relating to a law court. However today the term 'forensic science' refers to a whole new subject: it means using science to solve legal issues. As science, and the many sub-disciplines of science, are appearing in court with ever-increasing rapidity, there is a clear need for scientists to understand the foundations to the law, the ways in which law reasons, the adversarial process, and the basics to the key area of evidence law. The aim of this unit is first to provide you with

an understanding of evidence law, with a particular emphasis upon the foundations to reception of scientific evidence, and the ways in which expert scientific witnesses are received in our courts. The unit aims to clarify the links between science and law, as well as to articulate the differences between these two increasingly inter-twined disciplines.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** JSB937, JSB944

JSB980 Professional Placement

Prerequisite(s): GPA of 5 or more and in 3rd year of study
Corequisite(s): Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** JSB934

JSB980 Professional Placement

In order to operate effectively in the workplace you will need to be able to connect and apply the knowledge and theory you have gained from the other units in the course to the practice of the profession in which you gain employment.

Successful running of this unit will depend on the number of professional practices that are willing to participate.

Prerequisite(s): Completed 240 credit points with a GPA of 5 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** JSB934

JSB981 Seminal Texts in Justice

The aim of this unit is fourfold. First, it aims to provide a theoretical understanding of the foundational concepts in the philosophy of justice. Second, it aims to introduce major historical and contemporary figures in moral and political philosophy, such as Aristotle, St Thomas Aquinas, Thomas Hobbes, John Locke, David Hume, Immanuel Kant, John Stuart Mill, John Rawls, and Robert Nozick. Third, it aims to provide a theoretical understanding and practical application of the basic technical aspects of moral philosophy, such as virtue theory, deontology, and consequentialism. Fourth, this unit aims to provide you with the opportunity to carry out advanced research into political and moral issues and to develop a thorough understanding of the theory and assumptions underlying current ideas about the just society.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** Nil

JSB982 Transnational Crime

The aim of this unit is to understand the social, political and legal issues that are associated with transnational crime while also giving you a profile of the crimes themselves, their incidence statistics and primary locations. This unit seeks to further develop your skills in critical analysis, problem solving, research, and writing. The unit is an elective to the Criminology and Investigations and Policing majors at the undergraduate level and is intended for second or third year students.

The unit also aims to encourage you to develop your knowledge of international crime as well as provide you with the additional knowledge of how international institutions and states cooperate in seeking to eradicate transnational

crime. Issues such as the relationship between states, law and politics, as well as issues of poverty, responses to crime and social issues concerning these crimes will also be uncovered in this unit.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** Nil

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The aim of this unit is to understand the social, political and legal issues that are associated with transnational crime while also giving you a profile of the crimes themselves, their incidence statistics and primary locations. This unit seeks to further develop your skills in critical analysis, problem solving, research, and writing. The unit is an elective to the Criminology and Investigations and Policing majors at the undergraduate level and is intended for second or third year students.

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Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** Nil

JSB983 White Collar Crime

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Incompatible with:** Nil

JSB983 White Collar Crime

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Incompatible with:** Nil

JSB984 Sex Offences

Credit points: 12 **Campus:** Internet and Gardens Point

JSB985 Political Violence and Terrorism

In this unit you will be taught the defining characteristics of terrorism and why it is described as both a political and criminal act. During the unit you will be exposed to different types of terror tactics and will investigate particular terror groups that are currently operating on a national, regional and international scale. This unit will explore the characteristics of terrorist organizations and examine how recent developments in technology and finance allow them to flourish. The unit will provide students with the opportunity to critically engage with counter-terror tactics, assess whether the tactics engage with the terror threat as a political or criminal one, and evaluate their effectiveness.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Incompatible with:** Nil

JSB986 Death Investigation

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:**

12 **Incompatible with:** Nil

JSN101 Justice and Human Rights

Arguments concerning perceived problems of justice and injustice usually reveal conflicting ideas about what justice actually means both theoretically, and in practice. Justice and human rights go hand in hand both theoretically and in the practice of law enforcement and other criminal justice professions. You will require a sophisticated level of understanding of theories of justice and human rights in a social and criminal context if you are to effectively apply in practice the content knowledge you have acquired in the course of your post graduate study.

Credit points: 12 **Campus:** Internet and External

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Arguments concerning perceived problems of justice and injustice usually reveal conflicting ideas about what justice actually means both theoretically, and in practice. Justice and human rights go hand in hand both theoretically and in the practice of law enforcement and other criminal justice professions. You will require a sophisticated level of understanding of theories of justice and human rights in a social and criminal context if you are to effectively apply in practice the content knowledge you have acquired in the course of your post graduate study.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and External **Incompatible with:** JSN001, JSB001, JSB411, LWN040

JSN102 Applied Data Analysis Techniques For Criminology and Criminal Justice

Prerequisite(s): JSB933 or JSB273 or JSN018 (or equivalent) **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and External **Incompatible with:** Nil

JSN102 Applied Data Analysis Techniques For Criminology and Criminal Justice

The content of this Unit is based on an assumption that students have a solid knowledge of research methodologies. This includes: an understanding of qualitative and quantitative research paradigms; principles of sampling; and various methods of collecting data. This Unit will build on that knowledge and provide students with an understanding of the techniques that can be used to analyse both quantitative and qualitative data. These skills are important for those working in criminal justice and related fields in order for them to not only process research data but also to make sense of research results published in reports, journals and other publications.

Credit points: 12 **Campus:** Internet and External

JSN103 Criminal Behaviour and Investigative Practice

Credit points: 12 **Campus:** Internet and External

JSN103 Criminal Behaviour and Investigative Practice

This unit is concerned with the nexus between the behavioural patterns of criminals, including terrorists, and the types of investigative practices developed by policing organisations to apprehend such offenders. Knowledge of investigative practices for various forms of criminal behaviour - be it for a single crime, serial crime, organised crime, or terrorism-related crime - is often stored in police

databases, surveillance intelligence systems, geographic/mapping systems and other information management systems. Hence, the management of such knowledge is central to investigative success. The specific focus of this unit, therefore, is to engage in a critical and reflective analysis of various investigative and behaviour elements for a particular type of crime or terrorism in order to demonstrate such a knowledge-based approach by the application of an appropriate investigative system to a specific crime/terrorism.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and External **Incompatible with:** Nil

JSN104 Transnational and Organised Crime

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and External **Incompatible with:** Nil

JSN104 Transnational and Organised Crime

Credit points: 12 **Campus:** Internet and External

JSN105 White Collar Crime: Investigation and Prevention

White-collar crime is becoming more common in Australian society. Street crime still exists but there are a larger number of people in a position to participate in white collar crime and new opportunities are presented by a more corporatised and technological society. Greater resources are being applied to detect these crimes within police services, and new agencies, such as the Australian Securities and Investment Commission, are being developed to specialise in the oversight and prosecution of offenders. The circumstances in which the crimes occur and the technological considerations raise unique questions for investigation and prevention. The background to the nature of white-collar crime is provided in JSB105 White Collar Crime â Investigations and Prevention. This unit assumes a familiarity with the nature of the offences and will provide the student with an outline of techniques for prevention and detection of white collar crime.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and External **Incompatible with:** Nil

JSN105 White Collar Crime: Investigation and Prevention

Credit points: 12 **Campus:** Internet and External

JSN106 Analytical Methods of Intelligence

Prerequisite(s): Nil **Credit points:** 12 **Campus:** External

JSN106 Analytical Methods of Intelligence

Over the last decade or so selected technological advances have enhanced the ability of policing and intelligence agencies to collate and analyse large amounts of data and then display the links and associations in a visual manner. By doing this the respective gaps and areas requiring additional input of information become evident, thus enhancing the gathering of information and promoting the success of the investigation. As the use of the available computer software is the contemporary professional

standard it is incumbent on individuals employed within this environment to utilise the data analysis software.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

JSN107 Security and Politics in South East Asia

The aim of this unit is to develop your skills in critical analysis, problem solving, research, and writing. Furthermore, knowledge of the region in which Australia is geographically positioned is of vital importance when profiling how Australia should seek its strategic security at the regional and global level. In depth analysis of South East Asiaâs political, economic and social development will enable you to critically reflect on how security priorities are in this region and how it impacts on Australiaâs own strategic direction. The unit is an elective for those enrolled in the Master of Justice.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and External **Incompatible with:** Nil

JSN108 National Security and Intelligence

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and External **Incompatible with:** JSP164/JSN164

JSN109 Intelligence Practice 1

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and External **Incompatible with:** JSN161 Fundamentals of Intelligence, JSP161

JSN110 Intelligence Practice 2

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and External **Incompatible with:** JSN162 Managing Intelligence, JSP162

JSN111 Terrorism and Political Violence

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and External **Incompatible with:** Nil

JSN112 Crime Prevention

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and External **Incompatible with:** Nil

JSN113 Theories of Crime

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and External **Incompatible with:** Nil

JSN114 Cybercrime

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and External **Incompatible with:** Nil

JSN116 Independent Study

Prerequisite(s): JSN006 Independent Study I/JSN007 Independent Study II **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and External **Incompatible with:** Nil

JSN117 Independent Study

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and External **Incompatible with:** JSN006 Independent Study I/JSN007 Independent Study II

JSN120 Research Thesis

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Incompatible with:** Nil

JSN121 Research Thesis

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Incompatible with:** Nil

JSN122 Research Thesis

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Incompatible with:** Nil

JSN123 Research Thesis

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Incompatible with:** Nil

JSZ901 Transnational Organised Crime and Terrorism

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Singapore **Incompatible with:** Nil

JSZ902 Criminal and Terrorism Profiling

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Singapore **Incompatible with:** Nil

JSZ903BAD Investigative Thinking and Knowledge Management

Prerequisite(s): Nil **Corequisite(s):** Nil **Campus:** Singapore **Incompatible with:** Nil

JSZ904 Justice Research Methodologies

The aims of this unit are to provide knowledge and understanding for police officers about the different research methodologies available to them for getting the necessary information from and about their local community in order to be better informed about how best to carry out the mission of policing.

Credit points: 12 **Campus:** Singapore

JSZ905 Asian Economic Crime Trends

The aim of this unit is to provide a knowledge and understanding for police officers about the exponential growth of economic crime within the Asia-Pacific region. By being aware of the economic nature of the structure and operations of transnational, organised, corporate and white-collar crime and their relationship to terrorism activities police officers will be better equipped to combat these types of criminal and terrorist behaviours.

Credit points: 12 **Campus:** Singapore

JSZ906 Police Research Project

This unit provides further development, enhanced from JSZ904, on how to design and conduct a police-specific research project on the policing theme of local solutions for local conditions.

The aims of this unit are to provide knowledge,

understanding and practice for general duties police in knowing how to design and conduct empirically acceptable research projects to increase the knowledge base and professionalism of a Police Service.

Prerequisite(s): JSZ904 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Singapore

KCB101 Communication in the New Economy

This unit introduces you to foundational ideas in the study of communication, drawing on examples of communication practice from contemporary society, and the historical development of both the media of mass communication and ways of theorising its development. The idea of the 'new' economy is the organising motif of the unit. The unit both introduces and problematises the discipline of communication as it confronts, engages and interpenetrates the new economy.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KCB102 Media and Society: From Printing Press to Internet

Innovations in media and communication technologies have been deeply implicated in the evolution of human society from ancient times to the present. This unit explores the enabling capacities of media and communications, as well as other aspects of media power from a variety of perspectives. This unit also explores key controversies and debates surrounding the relationships between media and society.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KCB140

KCB103 Strategic Speech Communication

This unit is based in rhetorical and group communication theories, as a base for developing professionals who are articulate presenters, probing but empathic interviewers and interviewees, and good team players. Theory and practice are interrelated to develop understanding and self-reflexivity within students concerning their own communication skills, and to guide them to become effective leaders in the communication industries professions. Practice in simulated work situations will allow growth and learning in the laboratory of the classroom.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Incompatible with:** KCB213, KJB180

KCB104 Media and Communications Industries

This unit provides an introduction to media and communications industries, with particular reference to the Australian media and communications industries and associated issues. The unit will examine aspects of broadcasting, magazines and publishing, popular music, film, the Internet and games industries, from social, industrial and cultural perspectives. You will be involved in discussion of current issues and media features.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KCB150

KCB105 Media and Communication Research Methods

The research process (define problem, collect relevant information, analyse information, formulate

conclusions/outcomes) underlies many decisions that confront media and communication professionals. This subject introduces foundational research skills and contextualises them with a number of media and communication problems. The unit involves qualitative and quantitative research methods including observation, focus groups, case studies, survey research and experiments studied in the context of media and communication problems and issues. You will carry out research using some of these methods, analyse the results and present their conclusions and recommendations.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KCB334

KCB110 Introduction To Mass Communication

This unit introduces you to the main theories of mass communication and to key contemporary issues in mass communication industries. Investigating topics such as ethical and legal issues in mass communication, the relationship between journalism and public relations, advertising and new media and the future of television, you will analyse and critique mass communication media and professional practice in a range of formats.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KCB201 New Media 1: Information and Knowledge

This unit provides both a critical and conceptual introduction to the issues arising from the emergence of 'virtual communities', and a practical introduction to the skills and competencies required for the development and maintenance of successful online social networks. It considers issues arising from the development of online communities from the perspectives of corporate cultures and public or civic action, as well as questions of community, identity and social inequality in Internet culture, conflict management, and ethical and privacy issues on the Web.

Assumed knowledge:

- * advanced academic writing skills
- * advanced research and referencing skills in offline and online contexts
- * good working knowledge of the Web and other new media technologies
- * some practical experience using blogs, wikis, and/or social networking
- Websites as a reader and/or contributor
- * ability to conduct academic work independently and in groups

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KCB295

KCB202 New Media 2: Applications and Implications

New media technologies now affect virtually all aspects of our life, from leisure to work. A thorough understanding of their social, cultural, political and economic impacts is crucial for creative industries practitioners. This unit identifies key new media technologies and provides a contextual understanding of their current roles and potential future trajectories.

Assumed knowledge:

- * advanced academic writing skills
- * advanced research and referencing skills in offline and online contexts
- * good working knowledge of the Web and other new media technologies
- * some practical experience using blogs, wikis, and/or social networking
- Websites as a reader and/or contributor
- * ability to conduct academic work independently and in groups

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KCB336

KCB203 Consumer Cultures

A knowledge of and ability to research consumer cultures is essential to those working in the Creative Industries: it is crucial to understand the ways in which consumption actively shapes not only media and production industries, but also the value and meanings of products themselves. This unit builds on your first-year studies, requiring you to synthesise and apply concepts and methodologies that you have learned in earlier units. This unit prepares you for your final year by focusing broader understandings of media, communication, and production through the lens of consumer cultures. The knowledge that you will gain in this unit will inform your professional, academic, and creative practices in your final year.

Assumed knowledge:

- * Introductory understanding of the relationship between media texts, institutions and society
- * Introductory skills in media text analysis (e.g. semiotics and discourse analysis)

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KCB301 Media Audiences

A knowledge of and ability to research audiences is essential to a detailed and comprehensive understanding of the media. The ability to undertake quantitative and qualitative research into various audience groupings, the use of associated analytical tools and the ability to critically analyse academic and industry based audience research are important skills for students undertaking research in Media Communication and those seeking employment in media industries.

Assumed knowledge:

- * Introductory understanding of the relationship between media texts, institutions and society
- * Introductory knowledge of the following, as they apply media or market research:
 - Quantitative and Qualitative research design
 - Basic statistical analysis skills
 - Qualitative research methods such as interviews and participant observation

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KCB349

KCB302 Political Communication

This unit provides an overview of the theory and practice of political communication and the role of discursive strategies in the social construction of meaning, with particular

reference to media and communications industries. The unit examines political campaigns in Australia and internationally, through a critical examination of theories of media influence, as well as notions of crisis management, rhetorical models, persuasion theory, and the use of images as a power resource to succeed in political campaigns. The unit explores how survey research helps the planning and development of political strategies through an analysis of their application in recent political campaigns.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KCB311

KCB303 Applied Media Communication

In this unit, you will explore ways in which your knowledge of media industries, audiences and texts finds application in employment contexts. You also develop and consolidate an applied understanding of databases in the process of maintaining and developing an online directory of media and related organisations serving the greater Brisbane area. Questions of professional practice in online and workplace environments are also discussed, with particular reference to matters of freedom of expression, accuracy and fairness, access and equity, cultural difference, privacy, security and intellectual property.

Prerequisite(s): Completion of 168 credit points of study. Students are expected to undertake this unit in their final year of study **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KCB348

KCB304 Managing Communication Resources

An understanding of controlled media (ie media in which the communicator, rather than a gatekeeper, controls the final content), in both print and electronic forms, is critical for professional communicators. Controlled media resources remain the most common tools developed during communication campaigns. This unit develops your ability to devise effective resources for clients. You will develop practical skills in managing projects, researching the audience, writing and designing resources, testing their work, and seeing the product through to final production. This unit involves desktop publishing training and offers you an opportunity to develop a print or electronic resource for a client.

Prerequisite(s): Completion of 72 credit points of study **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** KCB335

KCD103 Strategic Speech Communication

This unit is based in rhetorical and communication theories, as a base for developing professionals who are articulate presenters, probing but empathic interviewers and interviewees, and good team players. Theory and practice are interrelated to develop understanding and self-reflexivity within students in terms of their own communication skills, and to guide them to become effective leaders in the communication industries and professions. Practice in simulated work situations will allow growth and learning in the laboratory of the classroom.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KCP402 New Media Studies

This unit considers the social, cultural, economic and political implications of development of new media technologies, such as the Internet and World Wide Web, broadband cable and satellite technologies. This unit considers the following: the historical development of technologies; different understandings of digital culture; the impact of new media forms upon cultural practices and modes of social interaction; the impact of new media in traditional media industries (print, broadcast) and areas such as entertainment and education; the legal, regulatory and policy issues arising from the development of new media technologies.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KCP336

KCP407 Applied Professional Communication

This unit hones your skills in professional communication and integrates the important skills of writing and presenting under a strategic planning framework. It includes a focus on leadership, teamwork, audience analysis, evaluation, and ethics.

Prerequisite(s): KCB103 must be taken as either a prerequisite or a corequisite. **Credit points:** 12

Contact hours: 2 per week for weeks 1-8, followed by individual consultations with a project supervisor.

Campus: Kelvin Grove

KCP412 Contemporary Practice in Professional Communication

KCP414 Advertising Creative: Trends in New Media

This unit develops core skills in the creative production of advertising for key electronic and print media: TV, radio, cinema, paper, print, magazine, and outdoors; with a strong emphasis on interactive and new media trends. It examines how creative advertisers use these media principles for creating effective ads; the media influence in the creative process; how to present concepts for each medium; and the roles, steps and components of creative advertising production. Through this process, you will expand your understanding of and skills in developing ads for the key electronic, print and new mediums.

Prerequisite(s): This unit is not available to KK86 students

KDB101 Performance 1

This studio based unit consists of a creative process through rehearsals and classes with choreographers, rehearsal directors and teaching staff leading to a studio and public performance.

Corequisite(s): KDB103 **Credit points:** 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove **Incompatible with:** KDX111

KDB102 Performance 2

This studio-based unit consists of a creative process through rehearsal directors and teaching staff leading to a studio and public performance.

Prerequisite(s): KDB101/KDX111 **Corequisite(s):** KDB104 **Credit points:** 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove **Incompatible with:** KDX112

KDB103 Dance Technique Studies 1

This unit involves practical dance classes as on-going action research.

Credit points: 12 **Contact hours:** BCI: 9 per week; BFA: 13.5 per week **Campus:** Kelvin Grove **Incompatible with:** KDB180

KDB104 Dance Technique Studies 2

This unit involves practical dance classes as on-going action research.

Prerequisite(s): KDB103/KDB180 **Credit points:** 12

Contact hours: BCI: 8 per week; BFA: 13.5 per week

Campus: Kelvin Grove **Incompatible with:** KDB181

KDB105 Architecture of the Body

This unit focuses on experiential awareness of the body, including an introduction to a working knowledge of anatomy, kinesiology and the movement potential of the body, both in theory and practice

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KDX104

KDB106 Dance Analysis

This unit includes a study of the analysis of dance through a concentration on the dance as text and a study of various international historical and contemporary works.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KDB107 Choreographic Studies 1

This unit introduces crafting skills and choreographic devices used in process of making dance work. It includes the presentation of group work.

Credit points: 12 **Contact hours:** BCI: 4 per week; BFA: 2 per week **Campus:** Kelvin Grove **Incompatible with:** KDX143

KDB108 World Dance

This unit includes exposure to a range of culturally specific dance styles through practical workshops and a theory component providing contextual background to the styles taught.

Credit points: 12 **Contact hours:** 2.5 per week
Campus: Kelvin Grove **Incompatible with:** KDB172

KDB109 Funk, Tap and all that Jazz

American and Western European popular and music theatre dances from the late 1900s to the present form the content base of this unit, drawing on three of the following styles: funk, tap, jazz and/or hip-hop. Dance technique and style pertinent to each dance form is taught in the practical classes, while in the theory component of the unit this content is interrogated through historical and cultural perspectives.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

KDB110 Deconstructing Dance in History

This unit includes a study of various international historical and contemporary contexts of dance as art. It focuses on romanticism, classicism, modernism and postmodernism.

Credit points: 12 **Contact hours:** 3 per week **Campus:**

Kelvin Grove **Incompatible with:** KDB125

KDB190 Professional Practice and Business Administration for Dance Teachers

This unit considers the implications of Dance Industry Code of Ethics (1987) for teaching and learning in dance. This unit also includes practical and useful materials for the effective and efficient operations of a business in dance teaching by relating current small business management practices to the specific organisational needs and requirements for dance teaching businesses.

KDB195 Dance Teaching Studies 1

As a dance teacher you need a diverse range of creative and professional skills to manage and promote learning in your dance teaching context. Possessing the skills to communicate and be critically reflexive are vital when interpreting, planning for and managing the interactions in your dance classes. Your choreographic skills are also called upon to create new and adapt existing dance material for your students. Reflecting on current theory and best practice approaches can provide frameworks for understanding and enhancing your own professional practice.

Contact hours: 1 week full time residency in Summer Semester **Campus:** Kelvin Grove

KDB196 Dance Teaching Studies 2

The theory of choreography and the basic skills of crafting choreography form the basis of study in this unit. This unit also provides students with the opportunity to investigate current research relating to teaching for performance. Issues such as psychology of performance and pacing of dance training are addressed.

Contact hours: 1 week full time residency in Summer Semester **Campus:** Kelvin Grove

KDB201 Dance Curriculum Studies 1

As the first of a series of three curriculum units, this unit provides introductory practical engagement with the theory, syllabi and practices of dance learning and teaching in schools. You will be encouraged to utilize your knowledge, skills and understanding of the processes of making, performing and appreciating dance in developing teaching and learning experiences. You will begin to understand and learn to manage the complex socio-cultural environments of the dance classroom and develop theoretical understandings, practical knowledge and skills necessary to be an effective Dance teacher. Each subsequent curriculum unit will then provide you with opportunities to increase your breadth and depth of understanding in these areas.

Prerequisite(s): Completion of 48 credit points of study in this discipline area **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KDB421

KDB202 Dance Curriculum Studies 2

This is the second of a series of three curriculum units, this unit builds on practical engagement with the theory, syllabi and practices of dance learning and teaching in schools. You will be encouraged to utilise your knowledge, skills and understanding of the processes of making, performing and

appreciating dance in developing teaching and learning experiences with particular emphasis on Years 10-12.

Prerequisite(s): KDB201 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove
Incompatible with: KDB429

KDB203 Dance Curriculum Studies 3

Developing from the work undertaken in Dance Curriculum Studies 1 and 2, this unit provides you with the opportunity to continue investigating and exploring dance curriculum planning and work program design. This unit also relates current theoretical issues in assessment to the unique challenges that dance assessment provides. You will explore a range of assessment procedures, methods and strategies to support quality and equity in dance assessment at all levels.

Prerequisite(s): KDB202 must be taken as either a prerequisite or a corequisite **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KDB204 Australian Dance

This unit includes a study of the ritual, artistic and social functions of dance in contemporary Australian society.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KDB114

KDB205 Dance in Education

This unit includes a practical introduction to philosophies and practices in dance education. The areas of choreography, performance and appreciation are explored as students develop basic teaching and reflective practice skills. This unit is appropriate for students planning to teach dance in the primary, secondary, community or studio context.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KDB117

KDB207-1 Choreographic Studies 2

This unit includes practice and performance of choreographic work employing choreographic skills in creation of movement material, form and style. Clarity of intention is major focus. This is a year long unit. Students must enrol in KDB207-2.

Prerequisite(s): KDB107/KDX143 **Credit points:** 6 **Contact hours:** 2 per week **Campus:** Kelvin Grove
Incompatible with: KDX144-1

KDB207-2 Choreographic Studies 2

This unit includes practice and performance of choreographic work employing choreographic skills in creation of movement material, form and style. Clarity of intention is major focus. This is a year long unit. Students must enrol in KDB207-2.

Prerequisite(s): KDB207-1/KDX144-1 **Credit points:** 6 **Contact hours:** 2 per week **Campus:** Kelvin Grove
Incompatible with: KDX144-2

KDB208 Integrated Professional Skills

This is an integrated program building specific practical and psychological skills and strategies for career development and enhancement.

Credit points: 12 **Contact hours:** 2.5 per week **Campus:** Kelvin Grove **Incompatible with:** KDB221

KDB211 Performance 3

This studio based unit consists of a creative process through rehearsals and classes with choreographers, rehearsal directors and teaching staff leading to a studio and public performance.

Prerequisite(s): KDB102/KDX112 **Corequisite(s):** KDB213 **Credit points:** 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove **Incompatible with:** KDX141

KDB212 Performance 4

This studio based unit consists of a creative process through rehearsals and classes with choreographers, rehearsal directors and teaching staff leading to a studio and public performance.

Prerequisite(s): KDB211/KDX141 **Corequisite(s):** KDB214 **Credit points:** 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove **Incompatible with:** KDX142, KDB215

KDB213 Dance Technique Studies 3

This unit involves practical dance classes as on-going action research.

Prerequisite(s): KDB103/KDB180 or KDB104/KDB181 **Credit points:** 12 **Contact hours:** BCI: 7.5 per week; BFA: 13.5 per week **Campus:** Kelvin Grove
Incompatible with: KDB182

KDB214 Dance Technique Studies 4

This unit involves practical dance classes as on-going action research.

Prerequisite(s): KDB213/KDB182 **Credit points:** 12 **Contact hours:** BCI: 6 per week; BFA: 13.5 per week **Campus:** Kelvin Grove **Incompatible with:** KDB183

KDB225 Music Theatre Skills

This unit provides students with an introduction to practical skills development in acting, dance and singing for music theatre.

Prerequisite(s): Enrolment in KK34 (Acting), KK34 (Dance), KM32, KD25 or KS25 **Corequisite(s):** IX27, IX34, IX43, KJ32, KK33, KK34, KK34/ED38 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KSB225, KSB011

KDB226 Music Theatre Project

This unit follows on from Music Theatre Skills KSB225. You will experience the rehearsal process and performance of a music theatre work in order to apply the multidisciplinary skills developed in the first unit in this series.

Prerequisite(s): KSB225/KSB011 **Credit points:** 12 **Contact hours:** Full time - two weeks full time rehearsal and a performance **Campus:** Kelvin Grove
Incompatible with: KSB012, KSB226

KDB301 Dance Project 1A

This unit is designed for you to investigate your practice as a dance performer and/or creator via an interdisciplinary and collaborative project. The projects may be self-devised or alternatively you may contribute to other creative projects involving new work. In addition to the project proposals and their realisation, the unit comprises a reflective practice written assignment and the maintenance and development

of technical dance skills.

Prerequisite(s): 3rd year KD25/KK34 (Dance) students only. These students are expected to undertake this unit in their final year of study. **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Incompatible with:** KDB193

KDB302 Dance Project 1B

This unit is designed for you to investigate your practice via a performative and creative project. Interdisciplinary and collaborative projects are encouraged. Projects may be self-devised or alternatively you may contribute to a creative/choreographic project involving new work. In addition to the project and its realisation, the unit comprises written reflective practice and the maintenance and development of technical dance skills.

Prerequisite(s): 3rd year KD25/KK34 (Dance) students only. These students are expected to undertake this unit in their final year of study. **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Incompatible with:** KDB199

KDB303 Dance and Technology 1

This unit includes modes of choreographic communication: discussion of aesthetic questions that have emerged out of the last major choreographic movements and collaborative practices encouraged with specific focus on digital technologies.

Prerequisite(s): Minimum grade of 5 in KDB207-2/KDX144-2 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KDB158

KDB304 Dance and Technology 2

This unit includes a major choreographic project for public performance. It explores aesthetic and artistic values in collaborative processes of making new work with technology.

Prerequisite(s): KDB303/KDB158 **Credit points:** 12 **Contact hours:** 1 per week **Campus:** Kelvin Grove **Incompatible with:** KDB159

KDP201 Dance Curriculum Studies 1

As the first of a series of three curriculum units, this unit provides introductory practical engagement with the theory, syllabi and practices of dance learning and teaching in schools. You will be encouraged to utilize your knowledge, skills and understanding of the processes of making, performing and appreciating dance in developing teaching and learning experiences. You will begin to understand and learn to manage the complex socio-cultural environments of the dance classroom and develop theoretical understandings, practical knowledge and skills necessary to be an effective Dance teacher. Each subsequent curriculum unit will then provide you with opportunities to increase your breadth and depth of understanding in these areas.

Credit points: 12 **Contact hours:** 2.5 per week **Campus:** Kelvin Grove

KDP202 Dance Curriculum Studies 2

This is the second of a series of three curriculum units, this unit builds on practical engagement with the theory, syllabi and practices of dance learning and teaching in schools.

You will be encouraged to utilise your knowledge, skills and understanding of the processes of making, performing and appreciating dance in developing teaching and learning experiences with particular emphasis on Years 10-12.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KDP203 Dance Curriculum Studies 3

Developing from the work undertaken in Dance Curriculum Studies 1 and 2, this unit provides you with the opportunity to continue investigating and exploring dance curriculum planning and work program design. This unit also relates current theoretical issues in assessment to the unique challenges that dance assessment provides. You will explore a range of assessment procedures, methods and strategies to support quality and equity in dance assessment at all levels.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KDP205 Dance in Education

This unit includes a practical introduction to philosophies and practices in dance education. The areas of choreography, performance and appreciation are explored as students develop basic teaching and reflective practice skills. This unit is appropriate for students planning to teach dance in the primary, secondary, community or studio context.

Contact hours: 3 per week **Campus:** Kelvin Grove

KDP401 Safe Dance Practice

This unit provides you with the knowledge and understanding of the information regarding safe dance practices. Practical activities focus on the implications of current research in safe dance practice to dance teaching and learning. The content of this unit reflects a holistic approach to training in dance by considering a diverse range of issues such as basic anatomy and physiology, the use of imagery in dance training, injury prevention and management strategies, nutrition and lifestyle management.

Campus: External **Incompatible with:** KDP104

KDP402 Professional Practice and Business Administration for Dance Teachers

This unit considers the implications of Dance Industry Code of Ethics (1987) for teaching and learning in dance. This unit also includes practical and useful materials for the effective and efficient operations of a business in the dance teaching by relating current small business management practices to the specific organisational needs and requirements for dance teaching businesses.

Campus: Asian Education Consortium **Incompatible with:** KDP190

KDP403 Dance Teaching Methodologies

This unit provides you with the opportunity to investigate and explore dance teaching issues relevant to your own teaching context. The unit materials include strategies and models for planning and implementing dance lessons and curriculum, catering for the diverse learning needs of students and managing the classroom as a complex social environment.

Campus: Asian Education Consortium **Incompatible**

with: KDP191

KDP404 Dance Analysis and Dance Histories

This unit examines aesthetic theory and analysis models that assist students to respond to and reflect upon dance. Students apply this understanding to the research and analysis of dance in context.

Campus: Asian Education Consortium **Incompatible with:** KDP105

KDP405 Dance Assessment and Reporting

This unit relates current theoretical issues in assessment to the unique challenges of dance assessment. You explore at an advanced level, a range of assessment procedures, methods and strategies to support quality and equity in dance assessment at in a variety of contexts.

Campus: Asian Education Consortium **Incompatible with:** KDP189

KDP407 Dance Teaching Studies 1

This unit examines theoretical understandings and practical skills to support and enhance students' ability to plan for, manage and promote effective and safe learning in dance classes.

Campus: Asian Education Consortium **Incompatible with:** KDP180

KDP408 Dance Teaching Studies 2

The theories of choreography and the skills of crafting choreography form the basis of study in this unit. This unit also provides students with the opportunity to investigate current research relating to the teaching for performance. Issues such as psychology of performance and pacing of dance training are addressed.

Campus: Asian Education Consortium **Incompatible with:** KDP181

KDP410 Professional Practice Project

This unit aims to provide a context for you to apply and extend your developed teaching practices. As you devise, implement and evaluate a project relevant to your teaching context, you actively engage your skills and understandings as teacher artists. You are also supported to enhance your skills as reflective practitioners as you critically analyse and evaluate your professional practice.

Prerequisite(s): KKP621 plus KKP615, or KKP602/KKN061 **Campus:** Kelvin Grove **Incompatible with:** KDN002

KFB101 Design Studio 1

The sequence of six Design Studio units is fundamental to the course and focuses on the integration of design principles with the practical skills and understandings of pattern technology, garment design and construction. Alongside the acquisition of design skills, it is essential for successful fashion designers of the future to understand the context of their practice, within an industry that is international in scope.

Credit points: 12 **Contact hours:** 12 per week
Campus: Kelvin Grove **Incompatible with:** KFB401

KFB102 Design Studio 2

This unit aims to build on skills acquired in KFB101.

Prerequisite(s): KFB101/KFB401 **Credit points:** 12

Contact hours: 12 per week **Campus:** Kelvin Grove

Incompatible with: KFB402

KFB103 Introduction to Fashion

This unit provides an introduction to some of the complexities of the fashion system and is intended to provide a base for students wishing to pursue the subject of fashion as a major, sub-major or minor.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KFB104 Textiles For Fashion

Detailed knowledge of the materials, skills and processes available to the garment and textile industries is essential in the first year of study for the fashion designer.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** KFB104-2, KFB407-2

KFB106 Unspeakable Beauty: A History of Fashion and Style

Fashion has been a defining feature of Western culture for over 500 years. Contemporary fashion regularly revisits earlier approaches to dressing the body. This unit studies key figures in the history of fashionable dress who defined the standards of beauty for their time. It provides students with a basis for understanding fashion as a significant form of visual culture as well as providing a vital sense of history.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KFB107 Drawing For Fashion

This unit concentrates on developing core skills and knowledge of drawing to provide an important foundation for existing and evolving modes for constructing and presenting fashion proposals.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KFB200 Design Studio 3

The sequence of six Design Studio units is fundamental to the course and focuses on the integration of design principles with the practical skills and understandings of pattern engineering and garment design and construction.

Credit points: 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove

KFB202 Design Studio 4

This unit aims to build upon the expected outcomes of KFB201. It aims to develop in students a combination of initiative, creativity and self-reliance, alongside the key skills of collaboration and working in teams.

Prerequisite(s): KFB201 **Credit points:** 12 **Contact hours:** 12 per week **Campus:** Kelvin Grove
Incompatible with: KFB404

KFB204 Textile Design

This unit builds on the knowledge of the materials and skills acquired in KFB104-1 and KFB104-2 and is planned for the design student who wishes further studies in the field of textiles through an introduction to print design and textile embellishment.

Contact hours: 4 per week **Campus:** Kelvin Grove
Incompatible with: KFB411

KFB205 Fashion and Style Journalism

This unit maps the scope and practice of fashion and style journalism in Australia and internationally. It will allow you to develop the skills necessary to conceptualise and produce fashion and style editorial content in a variety of styles and contexts.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KJB339

KFB206 Fashion and Modernity

In this unit students will examine the development of modern fashion. They will study the influence of various factors that affect changes in fashion, including major designers.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KFB105, KFB408

KFB207 Contemporary Fashion

Fashion is a vital dimension to contemporary culture; it is art and industry, idea, image and product. In its truest sense all Fashion is Contemporary fashion. This unit draws on ideas developed in Introduction to Fashion to provide a context for the shifting terrain of contemporary fashion. The unit addresses content such as key developments in fashion since 1970, significant International and Australian contemporary designers and current trends in the consumption, production and presentation of fashion.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KFB208 Fashion Portfolio

In the fashion design and associated industries digital illustration/graphic and presentation skills are increasingly necessary to present creative and professional work. Through the use of technology, fashion and textile designers, illustrators and photographers can present and enhance their applied creativity by augmenting traditional hand skills with a range of digital processes. This unit introduces the learner to this knowledge and to the processes and practices that will enable the student to develop a concept driven fashion portfolio.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KFB201, KFB202

KFB209 Ragtrade: Wholesaling Fashion

This unit focuses on the logistics and skills required in the industry, for the distribution and selling end of the fashion cycle. It will develop your understanding of the importance of international and national wholesale selling or order taking, through to fashion companies going direct to the final consumer.

The unit seeks to bring together the professional, creative and real world opportunities available in fashion industry selling strategies, with the business planning and sustainability strategies required for profitability. You will acquire skills and knowledge that will support and enhance your understanding of current and future trends in fashion business planning, entrepreneurial acumen and sales logistics, through practical application of the practices and strategies researched.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KFB201

KFB301 Design Studio 5

This sequence of six Design Studio units is fundamental to the course and focuses on the integration of design principles with the practical skills and understandings of pattern engineering and garment design and construction. Design Studio in the final year allows students the opportunity to further immerse themselves in the development of their own product or range. Design Studio 5 acts as a stage one of the final project and forms the research and development phase of the project. During this unit, students formulate their final project for prototyping and completion in Design Studio 6.

Prerequisite(s): KFB202/KFB404 **Credit points:** 12
Contact hours: 12 per week **Campus:** Kelvin Grove
Incompatible with: KFB405

KFB302 Design Studio 6

This unit is the capstone Design Studio unit and aims to provide students with the opportunity to synthesise prior learning, within university and the workplace, through the production of a final year project. Within this unit students develop confidence and the ability to work with minimal supervision in preparation for graduation.

Prerequisite(s): KFB301/KFB405 **Credit points:** 24
Contact hours: 20 per week **Campus:** Kelvin Grove
Incompatible with: KFB406

KFB303 Applied Planning

This unit aims to provide you with an opportunity to identify relevant issues relating to your planned career and to position yourselves effectively for entry to industry, community-based projects or postgraduate study.

Credit points: 12 **Contact hours:** 2 per week **Campus:** Kelvin Grove **Incompatible with:** KFB412

KFB304 Fashion, Law and the Real World

This unit prepares you for the transition into the real world, by equipping you with an understanding of law as a regulator of business. In order to flourish as an entrepreneurial creative practitioner, it is essential that you understand the legal implications of your decisions and actions and those of others with whom you work or trade. This unit forms part of the final year of study so that you can apply the knowledge acquired within your workplace learning experiences and incorporate the learning from this unit into their planning and preparation for graduation.

Credit points: 12 **Contact hours:** 4 per week over ten weeks **Campus:** Kelvin Grove **Incompatible with:** KFB056

KIB101 Visual Communication

Communication Design deals with visual communication and the creation of meaning through images. This unit will introduce you to the principles, production and presentation of visual design and communication.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** KIB801, KIB101
Foundations of Communication Design 1

KIB102 Visual Interactions

This unit further develops interface design skills for communications technologies including design priorities, interaction, visual systems, refinement of concepts, project analysis and problem solving through presentation models.

Prerequisite(s): KIB101/KIB801 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Incompatible with: KIB802

KIB103 Introduction to Web Design and Development

This unit provides an introduction to theories and skills underpinning the application of multimedia technology with the Creative Industries, providing a foundation of conceptual and practical skills related to contemporary modes of electronic hypermedia production, communication and publishing.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove
Incompatible with: KKB007, KKB818

KIB104 Digital Media

This unit explores multimedia development and design concepts and practices and investigates the user and user interaction principles.

Prerequisite(s): KIB103/KIB807 **Credit points:** 12
Contact hours: 6 per week **Campus:** Kelvin Grove
Incompatible with: KIB808

KIB105 Animation and Motion Graphics

This unit provides an introduction to animation and motion graphics concepts and practices, with an emphasis on principles of design in motion

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KIB107 Introduction to Programming for 3D Animation

This is a unit which focuses on production technique. It is based in animation production as a base for developing professionals who can program by creating new tools and processes for the 3D graphics environment.

Contact hours: 3 per week **Campus:** Kelvin Grove
Incompatible with: KIB301

KIB108 Animation History and Practices

The unit is an introductory examination of the development of animation. It addresses social, cultural, economic and technological themes that have shaped notable practitioners and established animation as a significant medium for the expression of popular culture, artistic experiment and philosophical, social and political comment.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove
Incompatible with: KIB825

KIB109 Interface Design

With the advent of new technologies for communication, graphical user interfaces have become fundamental to the design of effective communication, and a key factor in the uptake, ease of use and experience of technology systems. This unit builds upon knowledge and skills acquired in units on visual communication and Web design to establish the knowledge and skills required to design and produce effective visual interfaces for technology applications such

as Web, small screens in mobile media, and interactive displays. It will cover theories and principles of visual communication, information architecture and user experience design, which will be applied in the production of interfaces for interactive media and digital projects. The unit will be taught through a combination of lectures, tutorials and practical classes, in which skills and knowledge will be applied.

Prerequisite(s): KIB101, KIB103 **Campus:** Kelvin Grove
Incompatible with: KIB211/KIB810

KIB201 Concept Development for Game Design and Interactive Media

This unit addresses theoretical issues associated with non-linear story structures and interactive narratives through the analysis of game structures, the creation of original game ideas and the application of techniques of information design to the structuring of non-narrative content. Addressing the creative and analytical roles of writers, conceptual designers and information designers in the context of interactive digital media and the Creative Industries.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove
Incompatible with: KIB816

KIB202 Enabling Immersion

As creative practitioners within a highly networked technological society, it is important to develop a critical understanding of how the application of technology influences modes of communication, production processes and creative practices, particularly within the Creative Industries. This unit provides an introductory overview of the philosophies underlying applications of technology, and critically examines current applications in order to explore creative visions of future technology.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove
Incompatible with: KIB814

KIB203 Introduction to 3D Computer Graphics

The field of 3D computer graphics has grown from being a highly specialist field, supported by large film studios, into a vast and growing industry. Throughout film and television, scientific visualization, industrial and architectural design, physical modelling, animation and gaming; 3D visualisation has become a significant contributor to the construction of virtual worlds and the simulation of physical environments. This unit provides an introduction to the world of 3D graphics, paying particular attention to pre-production techniques, project management, 3D modelling techniques, and designing virtual environments. It establishes a foundation for advanced study in subsequent units on Real-time Computer Graphics and Virtual Environments. Theoretical understandings gained through lectures will be supplemented with technical skills in workshops, and applied to the production of 3D environments in design studios.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KIB204 Real-time 3D Computer Graphics

This unit provides the opportunity for extending the principles of 3D computer graphics into the emerging field of real-time graphics. In this unit you will cover the principals of real-time modeling; texture acquisition for real-time environments and interaction design in the 3D context. This unit is a place where students studying 3D computer graphics can apply animation and interactive design principles to real-time spaces. These principles can be applied to the fields of game design and interactive 3D environments. Theoretical understandings gained through lectures will be supplemented with technical skills in workshops, and applied to the production of real-time 3D environments in design studios.

Prerequisite(s): KIB203 **Contact hours:** 3 per week
Campus: Kelvin Grove **Incompatible with:** KIB310/KIB821

KIB205 Programming for Visual Designers and Artists

As part of a contemporary art and design production, practitioners often need to understand aspects of computer programming. This unit provides artists and designers with an introduction to computer programming. It demonstrates how artists and designers use programming within their practices and introduces the principles of programming that will allow you to use computing as a tool for art and design innovation. The unit is presented in a manner that is suited to the learning styles of visual designers and artists, and requires no previous computer programming experience. These skills will be developed and applied to the development of art and design outcomes in a studio setting.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KIB210

KIB206 Advanced Web Design

KIB208 Programming For Visual Designers and Artists

KIB212 Animation Studio 1: Preproduction

Animation Studio 1: Preproduction is a studio unit where you come to grips with the basics of computer graphics production. The unit covers the basic elements of studio practices, networking, teamwork and collaboration as well as introducing character design, layout, conceptual development and the generation of ideas.

Credit points: 24 **Contact hours:** 7 per week **Campus:** Kelvin Grove

KIB213 Animation Studio 2: CG Toolkit

CG Toolkit offers an in-depth look at the tools of animated production from within a studio setting. Continuing from Animation Studio 1: Preproduction, this unit looks at the tools and the processes involved in creating high level successful 3d computer animations for game development, film or television production, web or emergent media.

Prerequisite(s): KIB212 **Credit points:** 24 **Contact hours:** 7 per week **Campus:** Kelvin Grove

KIB214 Design for Interactive Media

Designing for contemporary media requires a sophisticated understanding of how we effectively interact with new

technologies, software applications, displays and environments. This unit focuses on the field of interaction design and user experience design. It develops an understanding of the theories, methods, and processes employed by Interaction Designers through a series of lectures and tutorials. These principles are then applied to authentic design briefs within design studios.

Prerequisite(s): KIB109 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove
Incompatible with: KIB210 or KIB102

KIB216 Advanced Web Design

Web Design has extended significantly from the concept of information delivery into social networking and other expanded modes of engagement. Web applications now appear in a range of delivery platforms from the desktop to personal and mobile technologies, such as media players and mobile phones. This unit will extend upon the knowledge and skills acquired in Introduction to Web Design, Interaction Design and Interface Design. It will introduce you to dynamic Web publishing employing contemporary open source content management systems. Theoretical understandings gained in lectures will be complemented by technical skills and applied to the development of authentic projects within design studios.

Prerequisite(s): KIB203 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove
Incompatible with: KIB211/KIB817

KIB220 Animation Production

Animation employs a studio-based production process that introduces you to workflows, practice-based investigations, critical thinking and problem-based learning. Animation: Studio Production will support you to build animation studio production skills by introducing design briefs, networking, teamwork and collaboration. This unit will focus particular attention on image-based solutions for the production of animated work. It will allow you to advance your skills and techniques in matte painting, image-based modeling, terrain and environment modeling, particle systems for environments, and 3D object creation and shading, as you develop an area of specialisation through personal investigation and self-directed inquiry.

Contact hours: 3 per week **Campus:** Kelvin Grove

KIB221 Animation: Cg Toolkit

CG Toolkit offers an in-depth look at the tools of animated production from within a studio setting. Continuing from Animation Studio 1: Preproduction, this unit looks at the tools and the processes involved in creating high level successful 3d computer animations for game development, film or television production, web or emergent media.

Contact hours: 5 per week **Campus:** Kelvin Grove

KIB225 Character Development, Conceptual Design and Animation Layout

This unit emphasizes production in practice. By considering type and generic attributes within a technological context, you will be guided through the key concepts involved in the development of working drawings and final artworks.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KIB307

KIB230 Interface and Information Design

With the advent of new technologies for communication, graphical user interfaces have become fundamental to the design of effective communication, and a key factor in the uptake, ease of use and experience of technology systems. This unit builds upon knowledge and skills acquired in units on visual communication and Web design to establish the knowledge and skills required to design and produce effective visual interfaces for technology applications such as Web, small screens in mobile media, and interactive displays. It will cover theories and principles of visual communication, information architecture and user experience design, which will be applied in the production of interfaces for interactive media and digital projects. The unit will be taught through a combination of lectures, tutorials and practical classes, in which skills and knowledge will be applied.

Credit points: 12 **Campus:** Kelvin Grove

KIB302 Design Project 1

KIB309 Embodied Interactions

Interaction with technology has advanced beyond the desktop paradigm of mouse and keyboard to embodied interfaces that incorporate video tracking, audio input, and gestural interaction techniques. Applications range from wearable technology to tangible media installations. This unit introduces an experimental field of interactive media design through the practical application of the processes and techniques of tangible media applications. Lectures, which provide the theoretical grounding of the study area, methodologies and examples of the application of tangible media are complemented by practical classes which extend the technical skills acquired in Programming for Designers and Artists and support the development of tangible media outcomes within design studios.

Prerequisite(s): KIB205 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove
Incompatible with: KIB310

KIB314 Tangible Media

This unit extends the understandings of tangible media interfaces and applications gained in the embodied media unit. In this unit students will develop a tangible media project from concept through to design, production, evaluation, and exhibition. Theoretical understandings on tangible media object design, interaction and installation gained through lectures will be supplemented with production skills in workshops, and applied to the development of tangible media works in design studios. Finished works will be displayed in a final exhibition where members of the public will interact with them.

Contact hours: 3 per week **Campus:** Kelvin Grove

KIB316 Virtual Environments

The field of 3D virtual environments, simulation, and visualization are used to produce sophisticated approaches to interaction design, social networking and game-play. This unit is designed to cater for both creative and technical

practitioners. Extending the knowledge and skills developed in 3D Computer Graphics and Real-time environments, this unit develops an advanced understanding of virtual environments and 3D spaces. You will apply and extend principals of real-time modeling, texture acquisition for real-time environments, and interaction design in the 3D context. Students enrolled in this unit will work in project teams to produce a significant 3D interactive environment within the context of a design studio.

Prerequisite(s): KIB325 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove
Incompatible with: KIB310, KIB821

KIB320 Advanced Concepts in Computer Animation 1

This unit allows you to consolidate your understanding of animation studio processes from previous units, and supports you to develop advanced skills and concepts in computer animation, character development, and cinematic narrative and storytelling. You will have the opportunity to pitch, critique and produce assets for an animated work for a show-reel and to engage in self-directed, independent study in a studio context. You will also develop skills in production management and direction for the production of a major work in Animation.

Prerequisite(s): KIB213 or KIB221 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove

KIB321 Advanced Concepts in Computer Animation 2

Animation Studio 4 consolidates the work completed in the previous animation studios. Concentrating on output, portfolio preparation, post production and transitioning between university and industry or into higher degrees, the studio offers the opportunity to produce and direct a final portfolio piece or to begin academic research in the field of computer animation.

Credit points: 12 **Contact hours:** 7 per week **Campus:** Kelvin Grove

KIB322 Design Project

Design Project is an advanced studio unit for interactive and visual designers. The second of two capstone units, it supports students to develop a final project which brings together the creative approaches, specialist design knowledge, and organizational skills that have been acquired through the Interactive and Visual Design course. In this unit, you will develop a design project based on proposals and prototypes produced in Design Project 1. The unit will be taught through presentations and seminars, critical reviews and design studio processes. The outcomes of this unit will contribute to a design portfolio and a graduate exhibition.

Prerequisite(s): Completion of 168 credit points of study
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove
Incompatible with: KIB806

KIB325 Real-Time 3D Computer Graphics

This unit provides the opportunity for extending the principles of 3D computer graphics into the emerging field of virtual environments that respond to interaction in real time.

In this unit you will cover the principals of real-time modeling; texture acquisition for real-time environments and interaction design in the 3D context. This unit provides an opportunity where students studying 3D computer graphics can apply animation and interactive design principles to real-time spaces. These principles can be applied to the fields of game design and interactive 3D environments.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KIB338 Print Media

This unit builds on the visual communication and graphic design units to develop specialist skills in design layout and the creative production of print media. It will introduce the theory and principles involved in combining text, image and design elements into a coherent design layout and will extend this theory into practice through the development of advanced design publishing techniques. Theoretical understandings gained through lectures will be augmented with technical skills in workshops, and applied to the production of team-based, professional quality print projects in design studios.

Contact hours: 3 per week **Campus:** Kelvin Grove

KIP401 Visual Communication

Communication Design deals with visual communication and the creation of meaning through images. This unit will introduce you to the principles, production and presentation of visual design and communication.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

KIP402 Visual Interactions

This unit further develops interface design skills for communications technologies including design priorities, visual systems, refinement of concepts, project analysis and problem solving through presentation models.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KIP403 Introduction to Web Design and Development

This unit provides an introduction to theories and skills underpinning the application of multimedia technology with the Creative Industries, providing a foundation of conceptual and practical skills related to contemporary modes of electronic hypermedia production, communication and publishing.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

KIP404 Digital Media

This unit explores multimedia development and design concepts and practices and investigates the user and user interaction principles.

Credit points: 12 **Contact hours:** 6 per week **Campus:** Kelvin Grove

KIP405 Animation and Motion Graphics

This unit provides an introduction to animation and motion graphics concepts and practices, with an emphasis on principles of design in motion.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KIB105

KIP408 Animation Practices

The unit is an introductory examination of the development of animation. It addresses social, cultural, economic and technological themes that have shaped notable practitioners and established animation as a significant medium for the expression of popular culture, artistic experiment and philosophical, social and political comment.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KIB108, KIB825

KIP410 Design for Interactive Media

Masters Design Studio 1; Interaction Design introduces you to the field of interaction design and the development of new, engaging systems of digital media, in particular web based interaction. Studio projects focus on the design of large and small scale interactive new media that rely on distributed systems such as the Internet.

Contact hours: 5 per week **Campus:** Kelvin Grove

KIP411 Masters Design Studio: Virtual Environments

Masters Design Studio: Virtual Environments explores interaction through the use of Virtual Environment and Tangible Media. Virtual Environments are spaces that can only be experienced through the existence of new media. Tangible Media is the design of augmented devices: stand alone devices whose function is enhanced or defined through the embedding of computational media within them.

Prerequisite(s): KIP410 **Credit points:** 24 **Contact hours:** 5 per week **Campus:** Kelvin Grove

KIP412 Advanced Practice in Animation, Interactive and Visual Design

This unit builds on up to dated knowledge and techniques through experimental and innovative production activities with practical and realistic approaches. Through the exploration of current interactive, animation and visual design issues, you will develop design discourse and visual design principles to enhance your interactive, animation, visual design and communication capacities.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KIP424 Advertising Creative: Introduction

This unit provides an introduction to the creative side of advertising, involving the analysis of advertising creative content, the development of creative strategies, creative concepts, and the crafting of persuasive ideas. The unit is the foundation for further work in creative advertising, and provides you with a thorough grounding in creative advertising history, industry practices, strategies and concept development.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KCP360

KIP425 Advertising Creative: Electronic and Print Media

This unit develops core skills in the creative production of advertising for key electronic and print media: TV, radio, cinema, interactive, paper, print, magazine, and outdoors. It examines the following: how creative advertisers use these media principles for creating effective advertisements; the media influence in the creative process; how to present concepts for each medium; the roles, steps and

components of creative advertising production. Through this process, you expand your understanding of and skills in developing advertisements for the key electronic and print mediums.

Credit points: 12 **Contact hours:** 3 **Campus:** Kelvin Grove **Incompatible with:** KCP361

KIP426 Advertising Creative: Copywriting and Art Direction

Copywriting and art direction are fundamental to creative advertising practice. Both tasks exist at the front end of advertising: copywriters and art directors help to bring advertising campaigns to life through creative concept development, writing, and liaising with both clients and artists. This unit builds on the introductory creative advertising units. It examines contemporary advertising theory and practice and develops practical skills in writing and art directing. Case studies examine a wide range of advertising campaigns, including campaigns to sell products, corporate reputations, and not-for-profit organisations.

Prerequisite(s): KCP404/KCP360 must be taken as either a prerequisite or a corequisite. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KCP362

KIP427 Advertising Creative: Major Project

This unit provides you with an opportunity to apply creative, research and project management skills to the development of a major new media advertising project, involving development of a creative strategy for a major advertising campaign, an advertising campaign, and a report. You will be required to publish, exhibit or perform a formal presentation to relevant industry parties, and the project will simulate a real world industry environment.

Prerequisite(s): KCP404/KCP360, KCP405/KCP361, KCP406/KCP362, KVP401/KVP100 **Credit points:** 24 **Contact hours:** 3 **Campus:** Kelvin Grove

KIP428 Photomedia and Creative Practice

KIP429 Advertising Creative: Trends in New Media

This unit develops core skills in the creative production of advertising for key electronic and print media: TV, radio, cinema, paper, print, magazine, and outdoors; with a strong emphasis on interactive and new media trends. It examines how creative advertisers use these media principles for creating effective ads; the media influence in the creative process; how to present concepts for each medium; and the roles, steps and components of creative advertising production. Through this process, you will expand your understanding of and skills in developing ads for the key electronic, print and new mediums.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KJB101 Digital Journalism

This unit acquaints you with the uses journalists make of computers in their work: for word-processing, personal information management, time management, and gathering information for stories and journalism assignments 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KJB120 Newswriting

In this unit you learn to think like journalists, to evaluate events for their potential news value, to record interviews and perform other reporting tasks and to write news stories. It includes the evolution and theories of reporting.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KJB121 Journalistic Inquiry

This unit develops the basic skills learnt in Newswriting: generating story ideas; researching; conducting interviews; finding news values and news angles and applying them in a practical context. You also learn about how practical newswriting skills fit into an online environment. You are introduced to the rigours of deadlines and have opportunities to write stories related to different news rounds throughout the semester.

Prerequisite(s): KJB120 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KJB211 Layout and Design

In this unit, students will learn how to use visual mediums (e.g. words, pictures, headlines, fact boxes etc) to best communicate to a variety of journalism audiences.

Using the latest computer design package, students will be taught to apply design theory to publish journalistic copy, incorporating photographs, images, graphics, tables, headlines and captions. They will learn the importance of print size, spacing, columns, captions and other visual communication devices in capturing the attention of an increasingly visual literate society.

Prerequisite(s): KJB120 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KJB322

KJB222 Online Journalism 1

As increasing volumes of news and other factual material are processed through online media, practitioners and also intending citizen journalists stand to get a secure understanding from studying the social and economic underpinnings of the format, and also from acquiring skills for using it.

This unit explores the background to practice in online journalism, such as the place of the medium in contemporary mass communication; it promotes the principles of best practice in journalism, and enables students to publish reports on line, giving them instruction in a wide range of production skills.

Prerequisite(s): KJB121 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KJB224 Feature Writing

Students conduct interviews and other research that they use to write Internet, newspaper and/or magazine articles that profile personalities or stories or that treat processes,

events and places to exploit their human-interest value.

Prerequisite(s): KJB120 or KWB107/KWB381 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KJB235 Radio and Television Journalism 1

The unit aims to provide means to learn about broadcast media from a production-based perspective, and to begin advanced, practical preparation for working professionally in news media. The practical and theoretical aspects of radio and television media are studied and applied through the production of broadcast news programs. Students will gather, script and produce a number of news items for radio and television bulletins for broadcasting through community sector outlets. This process is facilitated through the learning and usage of broadcast style and through the evaluation of television and radio products. Strong emphasis is placed on current affairs knowledge.

Prerequisite(s): KJB121 **Credit points:** 24 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KJB232

KJB239 Journalism Ethics and Issues

QUT Journalism supports the development of socially responsible, ethical journalists. KJB239 is a core journalism unit. It begins with an overview of western and eastern moral philosophical traditions and moves on to examine current journalistic practice in the context of Australian and international news media operations, regulatory bodies and the stance of professional journalism organisations. Students generate ethical dilemmas and work through them individually, making difficult decisions about issues such as invasion of privacy, protection of sources and conflict of interest. The impact of developing information and communication technologies is also addressed.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KJB280 International Journalism

This unit identifies, compares and analyses the diversity of journalistic practice in different countries and regions. You will look at historical conditions that have led to variations in journalism across the world, how different politico-economic systems affect journalistic activity, and how and why different news media take distinct approaches to covering world issues. You will develop the cross-cultural awareness and background knowledge required to identify story ideas, relate to sources and produce news reports in different countries and cultural environments.

Prerequisite(s): KJB120 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KJB304 Sub-Editing

This unit builds on KJB211 (Layout and Design) and is aimed at teaching students how to assess text for publication in the journalism industry which is a highly sought skill for employment both within Australia and overseas. Students will assess the text for news' values, quality, photographs, supporting stories, applying style guides (both generic and in-house), grammar, spelling, accuracy, verification, its legality (including defamation, contempt and sub-judice), ethics, sources and balance. Students, individually and in small teams, will be given a

range of copy-text from very poor to reasonable on a variety of topics which will be made publishable (i.e. production-ready) by them working with their tutor using the above processes.

Prerequisite(s): KJB120 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KJB322

KJB336 Radio and Television Journalism 2

This unit includes the philosophy and formulation of radio and television news and current affairs, anchor techniques, and radio and television news production using computers.

Credit points: 24 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KJB337 Public Affairs Reporting

This is an advanced reporting unit stressing the watchdog role of the news media using investigative techniques, including computer-assisted reporting, Internet and other online searching. You write news feature stories for possible publication, and engage in case study/role play exercises for understanding public events/processes and their relationships to news media. The unit is taught in three hour blocks over the first nine weeks of semester.

Prerequisite(s): KJB120 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KJP400 Theories of Journalism

This unit includes the following: a summary of the body of literature pertaining to the theories of journalism; identification of individual research interests; attention to the empirical traditions; summary of issues at an advanced level from journalists' perspectives through close reading of core texts.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KJP105

KJP401 Newswriting

In this unit you learn to think like journalists, to evaluate events for their potential news value, to record interviews and perform other reporting tasks and to write news stories; the evolution and theories of reporting.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KJP120

KJP402 Journalistic Inquiry

This unit develops the basic skills learnt in Newswriting: generating story ideas; researching; conducting interviews; finding news values and news angles and applying them in a practical context.

You also learn about how practical newswriting skills fit into an online environment. You are introduced to the rigours of deadlines and will have opportunities to write stories related to different news rounds throughout the semester.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KJP121

KJP403 Feature Writing

In this unit you will conduct interviews and other research that you use to write Internet, newspaper and magazine articles that profile personalities or that treat processes, events and places to exploit their human-interest value.

Prerequisite(s): KJP401 or KJP402 are recommended as

prerequisites. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KJP224

KJP404 Radio and Television Journalism 1

In this unit the practical and theoretical aspects of radio and television media are studied and applied through production of broadcast news programs. You learn styles and use, and the evaluation of television and radio products. Strong emphasis is placed on current affairs knowledge.

Prerequisite(s): KJP401/KJP120 or KJP402/KJP121

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KJP232

KJP410 Graduate Project 1

This unit is offered to Master's students to provide an opportunity for them to immerse themselves in specific professional issues in a major project related to journalism. Through a series of introductory seminars in theories and methodology, group or individual project opportunities and one-to-one supervision of staff, you develop the knowledge, skills, experience and contacts to devise and research a major journalism project.

Prerequisite(s): Completion of 72 credit points of study in the KJ42 course **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KJP301

KJP411 Graduate Project 2

This unit is offered to Master's students to provide them with an opportunity to immerse themselves in specific professional issues in a major project related to journalism. Under the supervision of a staff member, you will develop the knowledge, skills, experience and contacts to devise and research a major journalism project.

Prerequisite(s): Completion of 72 credit points of study in the KJ42 course **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KJP302

KKB004 Indigenous Creative Industries

Every culture contains, within its approach to arts practice, the business of creativity. Learning and teaching in the Indigenous Creative Enterprise Unit, develops a sphere of shared knowledge designed to inspire sustainable arts praxis and production

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKB704

KKB101 Creative Industries: People and Practices

This unit introduces concepts of the creative industries and the work of creative industries practitioners and professionals who explore and exploit the expression of creativity for commercial and artistic gain. In exploring the work of creative industries practitioners you will develop written communication skills for new media and academic contexts and reflect on your own emerging role as a creative industries practitioner.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Incompatible with:** KKB009, KKB618

KKB102 Creative Industries: Making Connections

The capacities to work collaboratively and to communicate effectively using multimedia technologies are essential characteristics for any Creative Industries professional. In this unit you will have the opportunity to acquire and apply collaborative principles and practices and multimedia communication skills in the production of creative content.

Prerequisite(s): Desirable: KKB101 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Incompatible with:** KKB007, KKB818

KKB175 Creative Industries Legal Issues

This unit introduces Creative Industries students to the law which applies to their professional practice and theoretical study. The unit provides a foundational approach to general aspects of law as well as particular topics for students in these fields. The unit is based on a core set of lectures and tutorials which are offered in two strands: Strand 1 for Journalism and Media Communication; Strand 2 for other Creative practices.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKB275

KKB201 Teaching Primary Music, Visual Arts and Media

Through both practical and theoretical contexts, you are introduced to curriculum planning and teaching in primary Visual Arts, Music and Media using The Arts Years 1 to 10 Syllabus (Queensland Studies Authority, 2002).

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture

KKB202 Teaching Primary Dance and Drama

Through both practical and theoretical contexts, you are introduced to curriculum planning and teaching in primary Dance and Drama using The Arts years 1 to 10 Syllabus (Queensland Studies Authority, 2002).

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture

KKB210 Computational Arts 1

This unit introduces you to the creative design of visual and sonic art works by implementing processes from which these works unfold on computers. It builds on your computer programming skills to include design fundamentals for sound and vision, and an introduction to various computational processes and their aesthetic outcomes. Computational Arts skills are applicable to work in these areas; interactive computer games, VJs, DJs, web art, and interactive public sculptures.

Prerequisite(s): ITB001 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KKB211 Computational Arts 2

This unit extends skills in the creative design of visual and sonic art works using computational processes. It applies computer programming and design skills, introduces advanced computational processes and encourages the development of an individual aesthetic style. This unit incorporates project-based work and presentational opportunities to assist in the development of relevant professional competencies. Computational Arts skills are applicable to work in these areas; interactive computer games, VJs, DJs, web art, and interactive public sculptures.

Prerequisite(s): KKB210 **Contact hours:** 3 per week
Campus: Kelvin Grove

KKB216 Graphical Development Environments for Media Interaction

You will build interactive software systems for sampling, synthesising and manipulating media in real-time using graphical programming environments (also known as 'patcher languages'). This will enable you to design and implement custom audio/video software for live performances and/or installations.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KKB221 Approaching Interdisciplinarity

In order to be competitive in the global community, innovative practice becomes a commodity that is highly attractive. It is widely recognised that a sound knowledge in at least one discipline is a prerequisite for effective collaborative practice. This is the first of two units which are planned to expose and reveal the knowledges embedded in the qualities and concentrations of an individual discipline and commence functionally integrating this knowledge alongside other disciplines. This first unit offers you the opportunity to practice multi-disciplinary processes in teams and explores the psychology behind preferences for role choices within these teams.

Prerequisite(s): KKB102/KKB007/KKB818 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KKB222 Interdisciplinarity in Practice

Being able to function effectively in collaborative teams often necessitates the cross-fertilisation of ideas and practices in the creative process. Coupled with the thinking that the constraints of working in a single discipline may prevent its progression in the field, the practice of cross and inter-disciplinarity offers fresh entry points to the investigation, creation and production of product. This is the second of two units which are planned to expose and reveal the knowledges embedded in the qualities and concentrations of an individual discipline and commence functionally integrating this knowledge alongside other disciplines. The unit introduces you to cross and inter-disciplinary collaborative processes in the development of a site specific product for a festival to be held in the CI precinct.

Prerequisite(s): KKB221 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KKB341 Workplace Learning 1

It is important that Creative Industries professionals gain real work experience in order to link university study with professional practice. Students need to equip themselves not only with skills and discipline knowledge but also with understandings and experience in order that they may function and flourish when they enter the workplace. This unit is offered during the final year of an undergraduate degree course at which time students are able to apply appropriate, transferable skills to a workplace or professional context.

Prerequisite(s): Completion of 168 credit points of study
Credit points: 12 **Contact hours:** Between 70 and 80

hours duration **Campus:** Kelvin Grove **Incompatible with:** KKB290/KKB390, KKB320, KKB330, KKB340-1, KKB340-2, KKB357/KKB057

KKB342 Workplace Learning 2

It is important that Creative Industries professionals gain real work experience in order to link university study with professional practice. Students need to equip themselves not only with skills and discipline knowledge but also with understandings and experience in order that they may function and flourish when they enter the workplace. This unit is offered during the final year of an undergraduate degree course at which time students are able to apply appropriate, transferable skills to a workplace or professional context.

Prerequisite(s): KKB341 must be taken as either a prerequisite or a corequisite **Credit points:** 12 **Contact hours:** Between 70 and 80 hours duration **Campus:** Kelvin Grove **Incompatible with:** KKB290/KKB390, KKB320, KKB330, KKB340-1, KKB340-2, KKB357/KKB057

KKB343 Service Learning 1

Service Learning is a form of experiential education characterised by student participation in an organised service activity connected to specific learning outcomes, meets identified community non-profit organisations' needs and provides structured time for student reflection and connection of the service experience to learning. This elective unit is offered during the final year of an undergraduate Creative Industries degree course at which time students are able to apply appropriate, transferable skills to benefit a community organisation.

Prerequisite(s): Completion of 168 credit points of study
Credit points: 12 **Contact hours:** Between 70 and 80 hours duration **Campus:** Kelvin Grove **Incompatible with:** KSB301, KSB302

KKB344 Service Learning 2

Service Learning is a form of experiential education characterised by student participation in an organised service activity connected to specific learning outcomes, meets identified community non-profit organisations' needs and provides structured time for student reflection and connection of the service experience to learning. This elective unit is offered during the final year of an undergraduate Creative Industries degree course at which time students are able to apply appropriate, transferable skills to benefit a community organisation.

Prerequisite(s): KKB343 must be taken as either a prerequisite or a corequisite **Credit points:** 12 **Contact hours:** Between 70 and 80 hours duration. However when the unit is combined with KKB343, then between 120-160 hours in duration across both units. **Campus:** Kelvin Grove **Incompatible with:** KSB301, KSB302

KKB345 Creative Industries Project 1

The Faculty of Creative Industries intends that its graduates practice as professionals in their respective discipline or disciplines. Increasingly, a major part of such practice is the instigation, management, monitoring, and reporting on Creative Industries projects. This unit offers experience at participating in an advertised project that may be offered by one or more disciplines in the Faculty, and is designed to

contribute towards studentsâ increased self-knowledge and confidence as practitioners in the Creative Industries.

Prerequisite(s): Completion of 72 credit points of K coded units. Not normally available to BFA or KM32 students.

Credit points: 12 **Contact hours:** About 150 hours across the semester.

Campus: Kelvin Grove

Incompatible with: KKB290/KKB390, KKB320, KKB330, KKB340-1, KKB340-2, KKB357/KKB057

KKB346 Creative Industries Project 2

The Faculty of Creative Industries intends that its graduates practice as professionals in their respective discipline or disciplines. Increasingly, a major part of such practice is the instigation, management, monitoring, and reporting on Creative Industries projects. This unit offers experience at participating in an advertised project that may be offered by one or more disciplines in the Faculty, and is designed to contribute towards studentsâ increased self-knowledge and confidence as practitioners in the Creative Industries.

Prerequisite(s): KKB345 must be taken as either a prerequisite or a corequisite. Not normally available to BFA or KM32 students.

Credit points: 12 **Contact hours:** About 150 hours across the semester. However when the project is combined with KKB345, then between 230-270 hours in duration across both projects.

Campus: Kelvin Grove

Incompatible with: Incompatible with KKB290/KKB390, KKB320, KKB330, KKB340-1, KKB340-2, KKB357/KKB057

KKB347 Becoming A Researcher: Understandings, Skills and Practices

This is the first of two units for third year Creative Industries students designed as a preparation for the Creative Industries Faculty Honours program and/or as an introduction to professional and commercial research contexts.

Prerequisite(s): Completion of 168 credit points of study + a GPA of 5 or above **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KKB348 Becoming A Researcher: Contexts, Protocols and Impact

This is the second of two units designed as a preparation for the Creative Industries Faculty Honours program and/or as an introduction to professional and commercial research contexts. It builds on skills and understandings developed in KKB347 and includes including academic protocols, research design and exegetical development and the impact of research.

Prerequisite(s): KKB347 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KKB350 Creative Industries International Study Tour

This unit is designed for students who have completed at least one year full time study of a QUT Creative Industries Faculty course and are ready to expand their horizons by gaining experience of international creative industries practice in creative cities. Creative cities contain tourist districts, art museums, galleries, fashion houses, creative precincts, production houses and the like, managed by internationally recognised cultural producers, designers and professionals. The unit addresses the issues that pertain to the culture that is produced and exhibited in the city or cities

selected for the tour and provides the opportunity for students to interact with internationally recognised creative artists and cultural professionals.

IMPORTANT NOTE: The cost of the 2-3 week tour is estimated at between four and five thousand dollars.

Prerequisite(s): Completion of 72 credit points of K coded units **Credit points:** 12 **Contact hours:** 2-3 week tour

Campus: Kelvin Grove

KKD101 Creative Industries: People and Practices

This unit introduces concepts of the creative industries and the work of creative industries practitioners who explore and exploit the expression of creativity for commercial and artistic gain. In exploring the work of creative industries practitioners you will develop written communication skills for new media and academic contexts and reflect on your own emerging role as a creative industries practitioner.

Credit points: 12 **Contact hours:** 3 per week

Incompatible with: KKD009

KKD102 Creative Industries: Making Connections

The capacities to work collaboratively and to communicate effectively using various media forms are essential for any Creative Industries professional. In this unit you will have the opportunity to acquire and apply research, communication and project management skills through the collaboratively development of a Creative Industries project proposal for the Creative Industries Precinct community.

Credit points: 12 **Contact hours:** 3 per week

KKN320 Postgraduate Workplace Learning

It is important that Creative Industries professionals gain real work experience in order to link university study with professional practice. Students need to equip themselves not only with skills and discipline knowledge but also with understandings and experience in order that they may function and flourish when they enter the workplace. This elective unit is offered during postgraduate courses so that students are able to apply appropriate, transferable skills to a workplace or professional context.

Credit points: 12 **Contact hours:** Between 70 and 80 hours duration **Campus:** Kelvin Grove **Incompatible with:** KKN330, KKN340-1, KKN340-2

KKN330 Postgraduate Workplace Learning

It is important that Creative Industries professionals gain real work experience in order to link university study with professional practice. Students need to equip themselves not only with skills and discipline knowledge but also with understandings and experience in order that they may function and flourish when they enter the workplace. This elective unit is offered during postgraduate courses so that students are able to apply appropriate, transferable skills to a workplace or professional context.

Credit points: 24 **Contact hours:** Up to 200 hours duration **Campus:** Kelvin Grove **Incompatible with:** KKN320, KKN340-1, KKN340-2

KKN340-1 Postgraduate Workplace Learning

It is important that Creative Industries professionals gain real work experience in order to link university study with professional practice. Students need to equip themselves not only with skills and discipline knowledge but also with

understandings and experience in order that they may function and flourish when they enter the workplace. This elective unit is offered during postgraduate courses so that students are able to apply appropriate, transferable skills to a workplace or professional context.

Credit points: 12 **Contact hours:** Up to 200 hours duration across both KKN340-1 and KKN340-2 **Campus:** Kelvin Grove **Incompatible with:** KKN320, KKN330

KKN340-2 Postgraduate Workplace Learning

It is important that Creative Industries professionals gain real work experience in order to link university study with professional practice. Students need to equip themselves not only with skills and discipline knowledge but also with understandings and experience in order that they may function and flourish when they enter the workplace. This elective unit is offered during postgraduate courses so that students are able to apply appropriate, transferable skills to a workplace or professional context.

Prerequisite(s): KKN340-1 **Credit points:** 12 **Contact hours:** Up to 200 hours duration across both KKN340-1 and KKN340-2 **Campus:** Kelvin Grove **Incompatible with:** KKN320, KKN330

KKP001 Entrepreneurship in the Creative Economy

Entrepreneurial skills are valuable assets to both the creative practitioner and creative industries management. This unit outlines the effectiveness of an entrepreneurial education in the creative economy. This unit aims to provide the creative industries practitioner/management with an understanding of the theory and practice of entrepreneurship by integrating the concepts, definitions, skills and techniques required for an entrepreneurial approach to creative industries.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KKP002 20:20 Vision: Imagining the Creative Future

One condition of late modernity is rapid change and an increasing rate of change. This unit will address the drivers of change, the impact change has now and is likely to have in the mid term and how the creative industries formulation responds to these larger societal forces. Understanding of the dynamics of these forces is crucial for creative industries practitioners and professional in order to shape a future characterised by the creation of innovative action, forms and thought.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KKP003 Project Design in the Creative Industries

The cohesive and reflexive nature of creative producers permits their successful skill transfer to a variety of employment. Understanding the importance of collaboration and professional networking in the Creative Industries is therefore essential. The unit aims to critique the relevance of collaboration and professional networking to the creative practitioner/manager and combines these with relevant project management skills.

Credit points: 12 **Contact hours:** 2 per week **Campus:** Kelvin Grove

KKP004-1 Innovation in the Creative Industries: Major Project

This major project is the final and culminating activity of the Master of Creative Industries. It serves to focus each candidate's learning through a specifically designed and substantial project that seeks to realise innovations in the candidate's practice or workplace. Each project will be designed to fit the scale, scope and focus of 48 credit points.

This unit aims to provide the creative industries worker with an opportunity to plan, implement and evaluate a major project professional project in the Creative Industries. Such a project may be located in the candidate's workplace, constructed as an internship with a innovative firm or company or a piece of scholarly enquiry which addresses the challenges of innovation within one of the creative industries.

Credit points: 12 **Contact hours:** Expected contact hours will average approximately 10-12 hours per week over the course of the semester. **Campus:** Kelvin Grove

KKP004-2 Innovation in the Creative Industries: Major Project

This major project is the final and culminating activity of the Master of Creative Industries. It serves to focus each candidate's learning through a specifically designed and substantial project that seeks to realise innovations in the candidate's practice or workplace. Each project will be designed to fit the scale, scope and focus of 48 credit points.

This unit aims to provide the creative industries worker with an opportunity to plan, implement and evaluate a major project professional project in the Creative Industries. Such a project may be located in the candidate's workplace, constructed as an internship with a innovative firm or company or a piece of scholarly enquiry which addresses the challenges of innovation within one of the creative industries.

Credit points: 12 **Contact hours:** Expected contact hours will average approximately 10-12 hours per week over the course of the semester. **Campus:** Kelvin Grove

KKP004-3 Innovation in the Creative Industries: Major Project

This major project is the final and culminating activity of the Master of Creative Industries. It serves to focus each candidate's learning through a specifically designed and substantial project that seeks to realise innovations in the candidate's practice or workplace. Each project will be designed to fit the scale, scope and focus of 48 credit points.

This unit aims to provide the creative industries worker with an opportunity to plan, implement and evaluate a major project professional project in the Creative Industries. Such a project may be located in the candidate's workplace, constructed as an internship with a innovative firm or company or a piece of scholarly enquiry which addresses the challenges of innovation within one of the creative industries.

Credit points: 12 **Contact hours:** Expected contact

hours will average approximately 10-12 hours per week over the course of the semester. **Campus:** Kelvin Grove

KKP004-4 Innovation in the Creative Industries: Major Project

This major project is the final and culminating activity of the Master of Creative Industries. It serves to focus each candidate's learning through a specifically designed and substantial project that seeks to realise innovations in the candidate's practice or workplace. Each project will be designed to fit the scale, scope and focus of 48 credit points.

This unit aims to provide the creative industries worker with an opportunity to plan, implement and evaluate a major project professional project in the Creative Industries. Such a project may be located in the candidate's workplace, constructed as an internship with a innovative firm or company or a piece of scholarly enquiry which addresses the challenges of innovation within one of the creative industries.

Credit points: 12 **Contact hours:** Expected contact hours will average approximately 10-12 hours per week over the course of the semester. **Campus:** Kelvin Grove

KKP004 Innovation in the Creative Industries: Major Project

This major project is the final and culminating activity of the Master of Creative Industries. It serves to focus each candidate's learning through a specifically designed and substantial project that seeks to realise innovations in the candidate's practice or workplace. Each project will be designed to fit the scale, scope and focus of 48 credit points.

This unit aims to provide the creative industries worker with an opportunity to plan, implement and evaluate a major project professional project in the Creative Industries. Such a project may be located in the candidate's workplace, constructed as an internship with a innovative firm or company or a piece of scholarly enquiry which addresses the challenges of innovation within one of the creative industries. Expected contact hours will average approximately 10-12 hours per week over the course of the semester.

KKP400-1 Honours Project

The Honours project is the major component of the Honours year in Creative Industries. As the Honours year builds upon a completed undergraduate degree, the project gives you the opportunity to pursue in-depth project or dissertation-based work unavailable and inappropriate at undergraduate level. This work thus demonstrates advanced competence, skills or analytical ability in a chosen discipline and/or interdisciplinary skills or analytical ability. This unit has 5 components and all must be completed to obtain final credit points.

Prerequisite(s): Entry into 4th Year Honours **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Incompatible with:** KKN004-1

KKP400-2 Honours Project

The Honours project is the major component of the Honours year in Creative Industries. As the Honours year builds upon a completed undergraduate degree, the project gives you the opportunity to pursue in-depth project or dissertation-based work unavailable and inappropriate at undergraduate level. This work thus demonstrates advanced competence, skills or analytical ability in a chosen discipline and/or interdisciplinary skills or analytical ability. This unit has 5 components and all must be completed to obtain final credit points.

Prerequisite(s): Entry into 4th Year Honours **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Incompatible with:** KKN004-2

KKP400-3 Honours Project

The Honours project is the major component of the Honours year in Creative Industries. As the Honours year builds upon a completed undergraduate degree, the project gives you the opportunity to pursue in-depth project or dissertation-based work unavailable and inappropriate at undergraduate level. This work thus demonstrates advanced competence, skills or analytical ability in a chosen discipline and/or interdisciplinary skills or analytical ability. This unit has 5 components and all must be completed to obtain final credit points.

Prerequisite(s): Entry into 4th Year Honours **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Incompatible with:** KKN004-3

KKP400-4 Honours Project

The Honours project is the major component of the Honours year in Creative Industries. As the Honours year builds upon a completed undergraduate degree, the project gives you the opportunity to pursue in-depth project or dissertation-based work unavailable and inappropriate at undergraduate level. This work thus demonstrates advanced competence, skills or analytical ability in a chosen discipline and/or interdisciplinary skills or analytical ability. This unit has 5 components and all must be completed to obtain final credit points.

Prerequisite(s): Entry into 4th Year Honours **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Incompatible with:** KKN004-4

KKP400-5 Honours Project

The Honours project is the major component of the Honours year in Creative Industries. As the Honours year builds upon a completed undergraduate degree, the project gives you the opportunity to pursue in-depth project or dissertation-based work unavailable and inappropriate at undergraduate level. This work thus demonstrates advanced competence, skills or analytical ability in a chosen discipline and/or interdisciplinary skills or analytical ability. This unit has 5 components and all must be completed to obtain final credit points.

Prerequisite(s): Entry into 4th Year Honours **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Incompatible with:** KKN004-5

KKP401 Honours Graduate Seminar

This is a seminar program of formal presentations of creative industries research projects by Honours students, and workshopping of thesis and exegesis drafts. You also attend weekly presentations in the seminar series.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN002

KKP402 Business and Corporate Development in the Creative Industries

This unit introduces issues involved in selecting and refining a concept/idea/new product in the creative industries. Topics include: business opportunity recognition; screening for potential viability and sustainable competitive advantages; identifying and analysing strategic options; creating a marketing strategy and outlining the production and operations, human resources, and financial plans for a selected creative industries venture. You build the components of a business model for your selected creative concept and write a formal business plan for that concept/product. You examine and critique the business models of a variety of existing businesses in the creative industries during the semester.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** GSN225

KKP403 Special Topic in the Creative Industries

Advanced level research and creative practice in the Creative Industries frequently draws upon the expertise of leading national and international researchers who visit the Creative Industries Faculty, as well as innovative creative projects. Through a Special Topic unit, Masters, PhD and Professional Doctorate students at the postgraduate level can systematically engage with these initiatives through a structured program of attendance at key events, reading and investigation, and working in creative teams to develop project deliverables.

Prerequisite(s): Approval of unit coordinator **Credit points:** 12 **Campus:** Kelvin Grove

KKP404 Policy Development in Creative and Cultural Industries

In this unit, you will undertake an overview of the creative industries as a major element of the global knowledge economy. You will critically analyse key creative industries concepts such as: the knowledge-based economy; networks and clusters; economic aspects of culture and creativity; creative cities; organisation of creative work; creativity and management; social entrepreneurship.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KCP401, KCP018

KKP405 Co-Creative Media: Digital Storytelling

In this unit you will learn about the breadth of achievements of research in the Creative Industries (for example, in making visible the creative economy. This knowledge is essential for arts and creative industries managers. You will also have the option to experience deep learning in the theory and practice of one particular creative human capital development technique and qualitative research platform, known as Digital Storytelling.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KKP406 Global Media and Communication

This unit provides an advanced-level overview of key developments in 21st century global media and communications. It considers the theoretical underpinnings of global media from perspectives including political economy, cultural studies and professional practice. It will examine major international developments in journalism, advertising, film and television and new media, through a grounded case study approach into global media organisations, production processes and cultural factors, with particular emphasis on developments in Australia, the Pacific and Asia.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KKP407 Creative Industries in Asia

Forces associated with the rise of creative industries, such as globalisation, the knowledge-based economy, and media and communications networks are significantly shifting both public policy and creative practice in the Asia-Pacific region, and raising new challenges, tensions and contradictions in politics, economics and culture. This unit will provide you with an understanding of how developments in the creative industries will affect the economics, politics and cultural development of nations and people in the Asian region.

Prerequisite(s): Completion of 36 credit points of postgraduate K coded units **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KTP407, KCP354

KKP408 Marketing Arts and Culture

This unit examines and applies theories of arts marketing for arts cultural organisations. The focus is on audience development, but product and service development models in the mission driven arts environment provide the context for you to develop marketing strategies, marketing plans and campaigns for arts and cultural management.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KTP408, GSN228

KKP411 Major Project in Arts and Creative Industries Management

The development of the arts and creative industries has been identified as a central element of the contemporary creative economy, which is informational, global and networked. This unit provides an opportunity for you to extend your analysis and reflection upon the development of creative industries, in the form of an academic essay or an industry report.

Prerequisite(s): Completion of 72 credit points of postgraduate K coded units **Credit points:** 24 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KCP410, KCP355

KKP601 Approaches to Enquiry in the Creative Industries

There are many forms of enquiry suited to the diverse range of disciplines which make up the Creative Industries. These forms of enquiry typically fall within qualitative research traditions, creative practice as research and applied commercial research.

This unit plays a key role in your research degree by introducing you to the most appropriate form of enquiry for your study and providing you with the strategies, methods and protocols for designing, implementing and evaluating that study.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** KKN020

KKP603 Project Development in the Creative Industries

After examining a range of procurement options available across the creative industries the unit focuses on strategic alliances, cross cultural projects, performance measures and the management of IP. These topics are addressed within a framework for project development that is shaped by ethical theory.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN065

KKP604 Creative Industries Conference 1

Two units (also KKP606) are dedicated to the reporting of research outcomes to a collegial group of peers, industry partners and fellow research students and peers. In writing and presenting reports to a publishable standard, candidates report on aspects of their professional projects by drawing on the theoretical frameworks developed in the coursework together with their lived experience of project planning and implementation.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN071

KKP606 Creative Industries Conference 2

Two units (also KKP604) are dedicated to the reporting of research outcomes to a collegial group of peers, industry partners and fellow research students and peers. In writing and presenting reports to a publishable standard, candidates report on aspects of their professional projects by drawing on the theoretical frameworks developed in the coursework together with their lived experience of project planning and implementation.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN072

KKP607 Advanced Professional Practice 1

This unit is the first of two units for professional artists enrolled in the Master of Fine Arts. Its purpose is to extend and improve creative practice through intensive (live and/or digital) studio-based exploration, either independently or collaboratively. The unit consists of the creation and production of a creative work, accompanied by a written reflective analysis and contextualisation of the work.

Credit points: 24 **Contact hours:** As arranged with the unit coordinator **Campus:** Kelvin Grove **Incompatible with:** KKN011+KKN012

KKP608 Advanced Professional Practice 2

This unit addresses specific issues in each student's professional practice. As a practice-led enquiry, you will work closely with your supervisor to investigate specific issues related to your aesthetic, creative and performative concerns.

Credit points: 24 **Campus:** Kelvin Grove **Incompatible with:** KKN013

KKP610-1 DCI Professional Project 1 (1/4)

This unit involves independent supervised study at the doctoral level. The study is part of the candidates Professional Project for doctoral examination and is undertaken in consultation with two project mentors. Candidates need to work to their professional project brief in undertaking this unit.

Prerequisite(s): KKP602/KKN061 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN300-1

KKP610-2 DCI Professional Project 1 (2/4)

This unit involves independent supervised study at the doctoral level. The study is part of the candidates Professional Project for doctoral examination and is undertaken in consultation with two project mentors. Candidates need to work to their professional project brief in undertaking this unit.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN300-2

KKP610-3 DCI Professional Project 1 (3/4)

This unit involves independent supervised study at the doctoral level. The study is part of the candidates Professional Project for doctoral examination and is undertaken in consultation with two project mentors. Candidates need to work to their professional project brief in undertaking this unit.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN300-3

KKP610-4 DCI Professional Project 1 (4/4)

This unit involves independent supervised study at the doctoral level. The study is part of the candidates Professional Project for doctoral examination and is undertaken in consultation with two project mentors. Candidates need to work to their professional project brief in undertaking this unit.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN300-4

KKP611-1 DCI Professional Project 2 (1/4)

This unit involves independent supervised study at the doctoral level. The study is part of the candidate's professional project for doctoral examination and is undertaken in consultation with two project mentors. Candidates need to work to their professional project brief in undertaking this unit.

Prerequisite(s): KKP602/KKN061, KKP610-4/KKN300-4 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN400-1

KKP611-2 DCI Professional Project 2 (2/4)

This unit involves independent supervised study at the doctoral level. The study is part of the candidate's professional project for doctoral examination and is undertaken in consultation with two project mentors. Candidates need to work to their professional project brief in undertaking this unit.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN400-2

KKP611-3 DCI Professional Project 2 (3/4)

This unit involves independent supervised study at the doctoral level. The study is part of the candidate's professional project for doctoral examination and is undertaken in consultation with two project mentors. Candidates need to work to their professional project brief in undertaking this unit.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN400-3

KKP611-4 DCI Professional Project 2 (4/4)

This unit involves independent supervised study at the doctoral level. The study is part of the candidate's professional project for doctoral examination and is undertaken in consultation with two project mentors. Candidates need to work to their professional project brief in undertaking this unit.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN400-4

KKP612-1 DCI Professional Project 3 (1/4)

This unit involves independent supervised study at the doctoral level. The study is part of the candidate's professional project for doctoral examination and is undertaken in consultation with two project mentors. Candidates need to work to their professional project brief in undertaking this unit.

Prerequisite(s): KKP602/KKN061, KKP610-4/KKN300-4

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN500-1

KKP612-2 DCI Professional Project 3 (2/4)

This unit involves independent supervised study at the doctoral level. The study is part of the candidate's professional project for doctoral examination and is undertaken in consultation with two project mentors. Candidates need to work to their professional project brief in undertaking this unit.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN500-2

KKP612-3 DCI Professional Project 3 (3/4)

This unit involves independent supervised study at the doctoral level. The study is part of the candidate's professional project for doctoral examination and is undertaken in consultation with two project mentors. Candidates need to work to their professional project brief in undertaking this unit.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN500-3

KKP612-4 DCI Professional Project 3 (4/4)

This unit involves independent supervised study at the doctoral level. The study is part of the candidate's professional project for doctoral examination and is undertaken in consultation with two project mentors. Candidates need to work to their professional project brief in undertaking this unit.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN500-4

KKP613-1 MFA Project

This extended unit is the final study for the Master of Fine Arts, culminating in a creative or performance work encompassing skills, concepts and processes explored throughout the degree. Its purpose is to refine your practice to a sophisticated and professional level through intensive exploration with a public outcome, either in an individual or collaborative project. The artistic work is accompanied by a written exegesis reflecting on and contextualising your practice, with both components examined by an industry professional and an internal examiner. As the final component to your award you would be expected to work 35-40 hours per week (full-time).

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN010-1

KKP613-2 MFA Project

This extended unit is the final study for the Master of Fine Arts, culminating in a creative or performance work encompassing skills, concepts and processes explored throughout the degree. Its purpose is to refine your practice to a sophisticated and professional level through intensive exploration with a public outcome, either in an individual or collaborative project. The artistic work is accompanied by a written exegesis reflecting on and contextualising your practice, with both components examined by an industry professional and an internal examiner. As the final component to your award you would be expected to work 35-40 hours per week (full-time).

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN010-2

KKP613-3 MFA Project

This extended unit is the final study for the Master of Fine Arts, culminating in a creative or performance work encompassing skills, concepts and processes explored throughout the degree. Its purpose is to refine your practice to a sophisticated and professional level through intensive exploration with a public outcome, either in an individual or collaborative project. The artistic work is accompanied by a written exegesis reflecting on and contextualising your practice, with both components examined by an industry professional and an internal examiner. As the final component to your award you would be expected to work 35-40 hours per week (full-time).

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN010-3

KKP613-4 MFA Project

This extended unit is the final study for the Master of Fine Arts, culminating in a creative or performance work encompassing skills, concepts and processes explored throughout the degree. Its purpose is to refine your practice to a sophisticated and professional level through intensive exploration with a public outcome, either in an individual or collaborative project. The artistic work is accompanied by a written exegesis reflecting on and contextualising your practice, with both components examined by an industry professional and an internal examiner. As the final component to your award you would be expected to work 35-40 hours per week (full-time).

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN010-4

KKP614-1 Research Project

Students enrolled in KK51 Master of Arts (Research) undertake a research project as the major component of their studies. This project may take the form of either a research thesis or a creative project accompanied by a written component. The creative project could include an exhibition of visual art, a performance (dance, drama, music), choreography, script or score, a book-length work of fiction or non-fiction, a film or multi-media script or production. Units may be either taken one per semester or several per semester, depending on the enrolment pattern recommended by the School in the Course Summary Sheet. This is an eight part unit.

Credit points: 12 **Contact hours:** 1 per week **Campus:** Kelvin Grove **Incompatible with:** KKN007-1

KKP614-2 Research Project

See KKP614-1 for details.

Credit points: 12 **Contact hours:** 1 per week **Campus:** Kelvin Grove **Incompatible with:** KKN007-2

KKP614-3 Research Project

See KKP614-1 for details.

Credit points: 12 **Contact hours:** 1 per week **Campus:** Kelvin Grove **Incompatible with:** KKN007-3

KKP614-4 Research Project

See KKP614-1 for details.

Credit points: 12 **Contact hours:** 1 per week **Campus:** Kelvin Grove **Incompatible with:** KKN007-4

KKP614-5 Research Project

See KKP614-1 for details.

Credit points: 12 **Contact hours:** 1 per week **Campus:** Kelvin Grove **Incompatible with:** KKN007-5

KKP614-6 Research Project

See KKP614-1 for details.

Credit points: 12 **Contact hours:** 1 per week **Campus:** Kelvin Grove **Incompatible with:** KKN007-6

KKP614-7 Research Project

See KKP614-1 for details.

Credit points: 12 **Contact hours:** 1 per week **Campus:** Kelvin Grove **Incompatible with:** KKN007-7

KKP614-8 Research Project

See KKP614-1 for details.

Credit points: 12 **Contact hours:** 1 per week **Campus:** Kelvin Grove **Incompatible with:** KKN007-8

KKP615 Graduate Seminar

Graduate seminar is a unit that fosters a culture of discussion and debate among creative industries research students. You participate in a seminar series and present the findings of your own research. You will meet with distinguished guests, staff and fellow students in a spirit of sharing, analysis and interdisciplinary curiosity.

Prerequisite(s): KKP601/KKN020 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKN200

KKP616 Postgraduate 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 6000 - 10000 words, or equivalent if other media/reportage is used.

Credit points: 12 **Campus:** Kelvin Grove **Incompatible with:** KKN006

KKP620 Introduction To Reflective Practice

This unit investigates the intuition and tacit knowledges that inform and inspire your creative practice by building the conceptual framework for being a reflective practitioner. Texts, terminologies and processes will be discussed and analysed within the context and forms of your practice.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKP602, KKN061

KKP621 Reflective Practice in Action

This unit strengthens the capacities of candidates to work as reflective practitioners within the collaborative, action oriented and theoretically embedded settings that constitute the creative industries. As candidates do this they are theorising on action, raising serious questions about their own practice, identifying the sources and patterns evident in their ideas and actions and transforming the contexts of practice so that professional autonomy may be enhanced. KD42 Master of Creative Industries external students will be required to attend a 2 to 3 day residency in Brisbane.

Prerequisite(s): KKP620 is assumed knowledge for KK49 students **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKP602, KKN061

KKP622 Advanced Reflective Practice

This unit provides for a thorough analysis of the reflective practitioner process as it applied to students and their colleagues during DCI Professional Project I. Patterns of engagement and response in the workplace are analysed during a process of re-theorising and conceptual review. Conceptual reference points for analysing practice are extended by investigating theoretical frameworks from other fields that may assist in building a more complete understanding of an individuals creative work practices.

Prerequisite(s): KKP620 and KKP621; or KKP602/KKN061 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KKP605, KKN062

KMB002 Music and Spirituality

Living in the materialistic world in the 21st Century has reignited the desire for spirituality to reach beyond the commercial and ephemeral. This unit examines the interaction of music with ritual, meditation, celebration, joy, protest and healing. It explores this relationship drawing from a range of cultures and times including indigenous Australian, Western European and Eastern cultures.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Incompatible with:** KMB667

KMB003 Sex Drugs Rock 'n' roll

In this unit, you gain an insight into the interaction between music and society by analysing the artistic, economic, and political landscape of the diverse, innovative music of the 21st century including rock and pop music, world music, dance music, indigenous music and new age music.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Incompatible with:** KMB640

KMB004 World Music

You will gain an awareness and better understanding of world music, its particular significance within Australia and its impact upon contemporary music through a series of lectures, demonstrations and tutorials.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Incompatible with:** KMB631

KMB005-1 Group Music

In this unit, you experience the cooperative interaction of music-making as a participant or a leader. This is a year long unit. Final credit points are awarded at the completion of KMB005-2.

Prerequisite(s): Approval of unit coordinator **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KMB616-1

KMB005-2 Group Music

In this unit, you experience the cooperative interaction of music-making as a participant or a leader. This is a year long unit. Students must complete both KMB005-1 and KMB005-2 to be awarded final credit points.

Prerequisite(s): KMB005-1 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KMB616-2

KMB007 Introductory Ensemble

This unit allows you to work in a QUT choral ensemble. The cooperative interaction of performance and other music-making activities is an essential ingredient in the training of the mature musician and one which will enhance both the individual and the group. The benefits reach into daily life and assist you to better work in groups.

Prerequisite(s): KMB104/KMB649 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** KMB650, KMB130/KMB632

KMB101 Music (Primary/Instrumental) Curriculum Studies 1

A foundation study in Primary or instrumental music specialization focusing upon the fundamentals of teaching, lesson planning and developing a philosophy appropriate to music education practice.

Prerequisite(s): Completion of 48 credit points of study in this discipline area **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KMB102 Music (Primary/Instrumental) Curriculum Studies 2

Further study in classroom/instrumental music and sound curriculum focusing upon more advanced teaching methods, unit planning and the development of an approach to philosophy in action appropriate to music and sound education practice in the senior primary and instrumental music and sound context.

Prerequisite(s): KMB101 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KMB103 Music (Primary/Instrumental) Curriculum Studies 3

An advanced study in primary or instrumental music and sound curriculum, focusing upon innovative teaching methods, music coaching and planning, whole school community cultural management and the development of an approach to inclusive philosophy which enables a holistic and integrated approach to music and sound education that responds synergistically to individual school communities and facilitates meaningful and engaging music and sound environments.

Prerequisite(s): KMB102 must be taken as either a prerequisite or a corequisite **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KMB104 Music and Sound Skills

You will study improvisation and music production, undertake an extensive listening program and develop sound creative and conceptual skills. The unit stimulates both beginners and experienced musicians, adopting a fresh approach to the field.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KMB649, KMB130/KMB632

KMB105 Music and Sound Technology

This is an introduction to the broad range of options available to the musician in the age of technology. You will explore sequencers and audio programs as tools, mediums and musical instruments, for performance, composition as well as the basics of sound design. NOTE: Semester 1 offered to KM32, IX07, KM35, KM36, KM42 ONLY. Semester 2 offered to all others except those mentioned above.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KMB619

KMB106 Music and Sound for Multimedia

This unit deals with studio recording techniques, computer-assisted composition, the role of music in non-linear structures, the effect of sound in digital media productions, sound effects and foley techniques, musical acoustics, and digital sound theory.

Prerequisite(s): Assumed knowledge of sound recording and operation of audio editing software **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KMB626

KMB107 Sound, Image, Text

This unit focuses on the rich and varied relationship between sound and image in a number of media and artforms, including film, music video, theatre, installation, mixed media performance and many more.

Credit points: 12 **Contact hours:** 3 per week **Campus:**

Kelvin Grove and Caboolture **Incompatible with:**
KMB638

KMB108 Sound Recording and Acoustics

This is an introduction to the fundamentals of the physical world of sound, basic signal flow, sound recording and acoustics.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KMB621

KMB110 Music Production 1

These sequential units beginning with the development of a secure and reliable technique in production skills. The unit includes small group learning work, attendance and participation in weekly performance seminars and group rehearsals of a wide range of music appropriate to an ensemble.

Credit points: 12 **Contact hours:** 7-9 per week
Campus: Kelvin Grove **Incompatible with:** KMB657

KMB111 Music Production 2

This unit continues the development of a secure and reliable technique in production skills. It includes small group learning work, attendance and participation in weekly performance seminars and group rehearsals of a wide range of music appropriate to an ensemble.

Prerequisite(s): KMB110/KMB657 **Credit points:** 12
Contact hours: 7-9 per week **Campus:** Kelvin Grove
Incompatible with: KMB658

KMB113 Multi-Instrumental Music A

In this unit, students engage in the study of two secondary instruments, necessary for the instrumental music teacher and professional doublers. Additionally, a lecture/class discussion is utilised to reflect on a range of topics relevant to the study.

Prerequisite(s): KMB110/KMB657 or KMB120/KMB651
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KMB622

KMB120 Music Performance 1

This series of sequential units begins with the development of musical skills on a principal instrument or voice. Content includes lessons and masterclasses, attendance and participation in weekly performance seminars and Principal Group activities.

Credit points: 12 **Contact hours:** 7-9 per week
Campus: Kelvin Grove **Incompatible with:** KMB651

KMB121 Music Performance 2

This unit continues the development of a secure and reliable technique on a principal instrument or voice, but stylistically expands upon semester 1. You will spend equal time on your current typically repertoire-driven focus and a clearly contrasting genre or style. It includes lessons, attendance and participation in weekly performance seminars and group rehearsals of a wide range of music appropriate to the ensemble of choice.

Prerequisite(s): KMB120/KMB651 **Credit points:** 12
Contact hours: 7-9 per week **Campus:** Kelvin Grove
Incompatible with: KMB652

KMB130 Core Musicianship 1

In this unit, students develop a range of generic musical skills that are relevant to a broad range of musical contexts and environments. The unit focuses on the building blocks of a broad and inclusive musicianship and includes development of aural, analytical and compositional skills through lectures, tutorials and focused musical tasks and improvisation.

Credit points: 12 **Contact hours:** 4.5 per week
Campus: Kelvin Grove **Incompatible with:** KMB632

KMB131 Core Musicianship 2

Continuing on from Core Musicianship 1, you will develop further a range of generic musical skills that are relevant to a broad range of musical contexts and environments. The unit focuses on musical language and context and includes the further development of aural, analytical and compositional skills through lectures, tutorials and focused musical tasks and improvisation.

Prerequisite(s): KMB130/KMB632 **Credit points:** 12
Contact hours: 4.5 per week **Campus:** Kelvin Grove
Incompatible with: KMB633

KMB201 Music (Secondary) Curriculum Studies 1

A foundation study in secondary music and sound curriculum focusing upon the fundamentals of teaching, lesson planning and developing a philosophy appropriate to music and sound education practice.

Prerequisite(s): Completion of 48 credit points of study in this discipline area **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KMB202 Music (Secondary) Curriculum Studies 2

Further study in classroom music and sound curriculum focusing upon more advanced teaching methods, unit planning and the development of an approach to philosophy in action appropriate to music and sound education practice in the senior secondary context.

Prerequisite(s): KMB201 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KMB203 Music (Secondary) Curriculum Studies 3

An advanced study in classroom music and sound curriculum, focusing upon innovative teaching methods and planning, whole school community cultural management and the development of an approach to inclusive philosophy which enables a holistic and integrated approach to music and sound education that responds synergistically to individual secondary school communities and facilitates meaningful and engaging music and sound environments.

Prerequisite(s): KMB202 must be taken as either a prerequisite or a corequisite **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KMB205 Sound Media Musicianship

This unit offers an in-depth study of music as a sound phenomenon. It explores music through understanding the physics of sound, psycho-acoustics, spectro-morphology, and tools and techniques for sound manipulation. As a musicianship unit, this exploration involves analysis, research and composition.

Prerequisite(s): KMB131/KMB633 or KMB104/KMB649
Credit points: 12 **Contact hours:** 4 per week **Campus:**

Kelvin Grove **Incompatible with:** KMB635

KMB206 Jazz and Popular Musicianship

This unit offers a study of the development of jazz and contemporary popular music through analysis, composition, performance and complementary aural musicianship sessions.

Prerequisite(s): KMB131/KMB633 **Credit points:** 12
Contact hours: 5 per week **Campus:** Kelvin Grove
Incompatible with: KMB637

KMB207 Cross Cultural Musicianship

Music operates in a complex cultural environment fuelled by increased communication and technology. In this unit the student's ability to recognise, analyse and create music drawing from a diverse range of cultures is developed.

Prerequisite(s): KMB131/KMB633 **Credit points:** 12
Contact hours: 5 per week **Campus:** Kelvin Grove
Incompatible with: KMB636

KMB208 Contemporary Art Music Musicianship

This unit focuses on art music of the last 100 years and up to the present day. It integrates aural training, analysis, composition and context (music history) into a coherent package.

Prerequisite(s): KMB131/KMB633 **Credit points:** 12
Contact hours: 5 per week **Campus:** Kelvin Grove
Incompatible with: KMB634

KMB209 Conducting

This unit introduces you to a wide range of 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.

Prerequisite(s): KMB131/KMB633 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Incompatible with: KMB623

KMB212 Arranging

This unit explores arranging techniques for vocal combinations and genres.

Prerequisite(s): KMB131/KMB633 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Incompatible with: KMB617

KMB213 Multi-Instrumental Music B

In this unit, students engage in the study of an instrument supplementary to their principal instrument, necessary for the instrumental music teacher and professional doublers. Additionally, students undertake peer tutoring to small groups. A lecture/class discussion is utilised to reflect on a range of topics relevant to the study.

Prerequisite(s): KMB121/KMB652 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Incompatible with: KMB628

KMB214-1 Music and Sound: Principal Study A

A creative musician and sound designer needs to have control of a number of advanced skills pertinent to specific careers and outcomes. KMB214 continues to develop these specialist skills from the prerequisite first-year units.

Prerequisite(s): KMB121/KMB652 or KMB111/KMB658

Credit points: 12 **Contact hours:** 7-9 per week
Campus: Kelvin Grove **Incompatible with:**
 KMB210/KMB659, KMB211/KMB660, KMB220/KMB653,
 KMB221/KMB653

KMB214-2 Music and Sound: Principal Study A

A creative musician and sound designer needs to have control of a number of advanced skills pertinent to specific careers and outcomes. KMB214 continues to develop these specialist skills from the prerequisite first-year units.

Prerequisite(s): KMB214-1 **Credit points:** 12 **Contact hours:** 7-9 per week **Campus:** Kelvin Grove
Incompatible with: KMB210/KMB659, KMB211/KMB660, KMB220/KMB653, KMB221/KMB653

KMB301 The Music Industry

This unit facilitates a smooth and confident transition from undergraduate experiences to life in the arts workforce. It includes exploration of current issues in the arts, and development of professional skills including public speaking, meeting procedures and career management.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove
Incompatible with: KMB056

KMB314-1 Music and Sound: Principal Study B

This unit acknowledges that there is a broad range of activities and outcomes for musicians and sound designers in the contemporary world within the creative industries. This unit gives students an array of options to assist in future career portfolios in the creative industries. This is a year long unit. Students must complete KMB314-2 in Semester 2.

Prerequisite(s): KMB214-2 or KMB221/KMB654 or KMB211/KMB660 **Credit points:** 24 **Contact hours:** 7-9 per week **Campus:** Kelvin Grove **Incompatible with:** KMB310-1/KMB661-1, KMB310-2/KMB661-2, KMB320-1/KMB661-1, KMB320-2/KMB661-2

KMB314-2 Music and Sound: Principal Study B

This unit acknowledges that there is a broad range of activities and outcomes for musicians and sound designers in the contemporary world within the creative industries. This unit gives students an array of options to assist in future career portfolios in the creative industries. This is a year long unit. Students must have completed KMB314-1 in Semester 1.

Prerequisite(s): KMB314-1 **Credit points:** 24 **Contact hours:** 7-9 per week **Campus:** Kelvin Grove
Incompatible with: KMB310-1/KMB661-1, KMB310-2/KMB661-2, KMB320-1/KMB661-1, KMB320-2/KMB661-2

KMP101 Music (Primary / Instrumental) Curriculum Studies 1

A foundation study in Primary or instrumental music specialization focusing upon the fundamentals of teaching, lesson planning and developing a philosophy appropriate to music education practice.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KMP201 Music (Secondary) Curriculum Studies 1

A foundation study in secondary music and sound curriculum focusing upon the fundamentals of teaching,

lesson planning and developing a philosophy appropriate to music and sound education practice.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KMP202 Music (Secondary) Curriculum Studies 2

Further study in classroom music and sound curriculum focusing upon more advanced teaching methods, unit planning and the development of an approach to philosophy in action appropriate to music and sound education practice in the senior secondary context.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KMP203 Music (Secondary) Curriculum Studies 3

An advanced study in classroom music and sound curriculum, focusing upon innovative teaching methods and planning, whole school community cultural management and the development of an approach to inclusive philosophy which enables a holistic and integrated approach to music and sound education that responds synergistically to individual secondary school communities and facilitates meaningful and engaging music and sound environments.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KMP400 Digital Recording

You will follow an integrated course of theory and practice in sound recording. You create a portfolio of recordings using either your own equipment or the music and sound laboratories at QUT.

Prerequisite(s): Approval of unit coordinator **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KMN606

KMP402 Music and Sound for Digital Media

This unit deals with studio recording techniques, computer-assisted composition, the role of music in non-linear structures, the effect and affect of sound in digital media productions, sound effects and foley techniques, musical acoustics, and digital sound theory.

Prerequisite(s): Assumed knowledge of sound recording and operation of audio editing software **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KMN626

KMP403 Multi-Instrumental Studies 1

This unit widens the base of students' practical skills and enhances career opportunities through the study of second instruments. Students work through an intensive program in groups, on a variety of instruments, to obtain fundamental skills on those instruments, which will develop and enhance their multi-instrument skills for teaching.

Prerequisite(s): Approval of unit coordinator **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KMN622

KMP404 Multi-Instrumental Studies 2

This unit is designed to deepen students' practical skills through the study of second instruments and to have them engage with multi-instrumental pedagogical methods. Students work through an intensive program in groups on a variety of instruments to obtain fundamental skills on those

instruments, which will develop and enhance their multi-instrumental skills for group instruction.

Prerequisite(s): KMP403/KMN622 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KMN628

KMP405 Materials of Music

This unit provides the basis for understanding rhythmic, melodic and timbral organisation and their relationship to texture. The study of textural design has been enriched by recent developments in music technology, enabling music to be heard as pure timbre in the sound media. As well as studying texture, timbre, rhythm and melodic organisation, this unit includes the study of formal devices, processes and analytical techniques that musicians and composers use to generate textures

Prerequisite(s): Approval of unit coordinator **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KMN630

KMP410 Music Project 1

This is the first in a sequence of self-directed project units. You undertake a music project of relevance to the creative industries. This will incorporate discovery, practice and reflection. This unit may be taken in the most appropriate location to ensure a successful outcome and the detail would be agreed with your supervisor. You are required to attend a weekly evening seminar and present as required.

Prerequisite(s): Approval of unit coordinator **Credit points:** 24 **Contact hours:** 2 per week **Campus:** Kelvin Grove **Incompatible with:** KMN601

KMP411 Music Project 2

This unit follows from KMP410 and enables you to further develop your project. You are required to attend a weekly evening seminar and present as required.

Prerequisite(s): KMP410/KMN601 must be taken as either a prerequisite or a corequisite **Credit points:** 24 **Contact hours:** 2 per week **Campus:** Kelvin Grove **Incompatible with:** KMN602

KMP412 Music Project 3

This unit follows from KMP411 and enables you to further develop your project. You are required to attend a weekly evening seminar and present as required.

Prerequisite(s): KMP411/KMN602 must be taken as either a prerequisite or a corequisite **Credit points:** 24 **Contact hours:** 2 per week **Campus:** Kelvin Grove **Incompatible with:** KMN603

KMP413 Music Project 4

This unit follows from KMP412 and enables you to further develop your project. You are required to attend a weekly evening seminar and present as required.

Prerequisite(s): KMP412/KMN603 must be taken as either a prerequisite or a corequisite **Credit points:** 24 **Contact hours:** 2 per week **Campus:** Kelvin Grove **Incompatible with:** KMN604

KMP414 Music Project 5

This unit follows from KMP413. You complete your project. You attend a weekly evening seminar and present as required.

Prerequisite(s): KMP413/KMN604 must be taken as either a prerequisite or a corequisite **Credit points:** 24
Contact hours: 2 per week **Campus:** Kelvin Grove
Incompatible with: KMN605

KMP415 Independent Project

It is important for those students who wish to investigate an area of study or discovery not centrally covered in the compulsory units, to have the opportunity to construct and execute a project in an area of their own choice. This unit allows such a study. The project may be in the field of scholarship and research or in creative work within music or in interdisciplinary work.

Prerequisite(s): Approval of unit coordinator **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KMN609

KPB101 Foundations of Film and Television Production

This unit introduces the principles and technologies of video production for both cinema and television. This includes the roles and responsibilities of production teams, production management, design and practice. Lecture delivery by experts in the major production areas of producing, directing, and cinematography, editing and sound informs this practice. You work in groups to produce videos which form a major part of their assessment.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Incompatible with:** KPB155

KPB102 Film History

This unit provides a broad coverage of film history while focusing on specific narrative film forms, styles, and movements. Emphasis is placed on narrative fiction films. Analysis of narrative film strategies in selected films highlights their significance in shaping the history of film. Developments in narrative film and related film theories are traced by considering topics such as Soviet montage, realism and expressionism, the classic Hollywood film, Italian neorealism, and the French New Wave; these are placed in technological, social, and cultural context.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** KPB359

KPB103 Film Genres

The concept of genre in film theory and practice is considered by investigating the aesthetics of genre films, their generic codes and conventions, and genre trends in Hollywood and global cinema. Classic film genres (such as the Western, film noir, science fiction, and war movies), and more recent genre and subgenre developments (such as cyberpunk and neo-noir) are placed in cultural, social, and historical context.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** KPB147, KPB305

KPB104 Film and Television Production Resource Management

This unit considers the role of the producer and executive producer in film and television production with a particular focus on running a production. It considers the following: preparing and running a budget, achieving balance in above-the-line, below-the-line and marketing costs, casting and crewing a production, and legal and copyright issues.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KPB314

KPB105 Narrative Production

This unit builds on and advances basic understandings, skills and principles delivered in KPB101. An introduction to the skills of sound and lighting complements the earlier core skills of camera, editing, directing and production management. Assessment consists of the production of a short narrative video.

Prerequisite(s): KPB101/KPB155 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Incompatible with: KPB185+KPB260

KPB106 Australian Television

This unit explores the historical and global contexts that have determined the nature of Australian television. It also examines the television industry in terms of the differing imperatives shaping public and private television. The unit in addition canvasses the interaction between television and its audiences. This is followed by a critique of a number of important television texts and then a study of the probable and possible futures for television in Australia.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** KPB209+KPB370

KPB107 Television's Greatest Hits

An interest in television means you should be able to look critically and constructively at the types of programs (genres) made and broadcast, and to investigate the different types of stories that can be told through these different genres.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KPB372-2

KPB108 Media Text Analysis

This unit acquaints you with a range of approaches, both traditional and contemporary, to the analysis of media texts. It equips you 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 Multiculturalism. The media texts chosen will include newspaper articles, cartoons, photographs, advertisements, films and television programs.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KPB130

KPB150 Foundations of Multi-platform Production

The unit introduces students to new media fundamentals and core technical skill sets required to produce video, graphic and audio content for multi platform release. Emphasis will be on the means to value-add multi-platform content and the diversification of traditional media programming.

Credit points: 12 **Incompatible with:** KPB101

KPB201 Experimental Production

Through exploration of the historical and theoretical underpinnings of experimental motion picture art, you have

the opportunity to develop your creative potential through experimentation. Building on prior knowledge acquired in the production units KPB101 and KPB105, you are encouraged to become willfully nonconformist in approach, drawing on a wide range of traditions from within the genre of Experimental or Avant-Garde film-making.

Prerequisite(s): KPB105/KPB185, KWB102/KWB111

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** KPB190

KPB202 Film and Television Business Skills: Entrepreneurship and Investment

The business of television is all about spotting proposals at the concept stage with the potential to be made into successful programs, and about their creative management. This involves a number of personal skills, revolving around leadership, communication and encouragement of key creative personnel on one side, with presentation of ideas and team skills on the other. This unit builds from students' knowledge of management of the process and resources of production to the overarching skills of managing the creative process and maintaining a balance between risk taking and commercial prudence.

Prerequisite(s): KPB104/KPB314 **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove

KPB203 Australian Film

This unit includes the following: 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.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

Incompatible with: KPB343

KPB204 Multi-Camera Television Studio Production

This unit introduces you to the principles and technology of Television production, utilising both single and multi-camera techniques. In this unit you develop your practical and production skills and understandings to create content for the broad area of Television Studio Production, using our digital widescreen facilities. It introduces multi-camera television production techniques, building on skills already developed in prerequisite units.

Prerequisite(s): KPB201/KPB190 **Credit points:** 24

Contact hours: 6 per week **Campus:** Kelvin Grove

Incompatible with: KPB265

KPB205 Documentary Theory and Practice

The documentary filmmaking tradition has involved many crucial aesthetic, technical and ethical concerns throughout history. This unit introduces this significant tradition of documentary production. For KP25/KK34 (Film & Television) students, the unit is a preparation for the documentary practical production unit, through learning to assimilate the principles outlined in the unit into their own documentary screenplays. For non-KP25/KK34 (Film & Television) students, the unit provides an opportunity to address the theoretical underpinnings of the documentary form, and the processes of documentary production.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KPB358

KPB206 International Cinema

This unit examines a range of national cinemas from a global perspective. Key theoretical approaches to national/international cinemas are covered, along with significant historical, textual, representational and ideological issues. The critical challenges posed by productions from these different cultures to Hollywood mainstream productions are also explored.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

Incompatible with: KPB344

KPB207 Film and Television Scriptwriting

This unit focuses on the production of a sustained script for film or television.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KPB301 Documentary Production

This unit introduces video production concerned with the communication of non fiction events. It explores the historical and theoretical underpinnings of non-fictional documentary production. Training in management, direction, camera, sound and editing as they apply to documentary production at a professional level is included as is practice in a specialist role on video documentary productions.

Prerequisite(s): KPB204/KPB265, KPB205/KPB358

Credit points: 24 **Contact hours:** 6 per week **Campus:** Kelvin Grove

Incompatible with: KPB360

KPB302 Project Development and Script Editing for Television

The business skills of entrepreneurship and securing investment provide the necessary incentive and support to enable the development of programs in all genres that will attract a broadcaster, even where part of that investment involves back-end exploitation riding on the broadcast and sometimes eventually the main source of revenue to the project. The unit will address the stages of project development, including the skills and function of script editing. The unit will explore the role of creativity in the development of ideas.

Prerequisite(s): KPB104/KPB314 **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove

KPB303 Critical Thinking About Television

Students who have an interest in the social function of television should be encouraged to think critically about social, cultural and aesthetic issues regarding the medium.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

Incompatible with: KPB371

KPB304 Television Practice

This unit is the culmination of BCI (TV) students' learning over the preceding five semesters and an opportunity to put into practice the skills and knowledge acquired over that period. The unit involves the development and managing the production of television programs, either in a workplace environment or in a simulated production environment with all facets of a real workplace.

Prerequisite(s): KPB302 **Credit points:** 12 **Contact**

hours: 3 per week **Campus:** Kelvin Grove

KPB306 Film Drama Production

This unit includes film or video production that uses actors as mediators in the communication of fictional events. It provides training in management, direction, camera, sound and editing at a professional level. Practice is in a specialist role on short drama production/s.

Prerequisite(s): KPB301/KPB360, KPB308/KPB268

Credit points: 24 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Incompatible with:** KPB270

KPB308 Film and Television Drama Practice

This unit introduces you to methodologies in the key specialisations of film and television drama. The unit familiarises you with a wide range of stylistic approaches to directing, producing, cinematography, editing and sound. You are expected to assimilate the principles outlined in the unit into KPB306 Film Drama Production and into your own creative work.

Prerequisite(s): KPB204/KPB265 **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove

Incompatible with: KPB268

KSB101 Acting 1

This unit focuses on the actor's instrument, using a series of exercises that deal specifically with whatever impedes the actor's personal truths, and unblocks instrumental blocks to emotional expression. Work incorporates stage and camera requirements. THIS IS A DESIGNATED UNIT.

Corequisite(s): KSB103 **Credit points:** 12 **Contact**

hours: 14 per week **Campus:** Kelvin Grove

Incompatible with: KSB202

KSB102 Acting 2

This unit continues instrument work and the introduction of craft techniques, dealing with contemporary naturalistic texts for stage, film and television.

Prerequisite(s): KSB101/KSB202 **Credit points:** 12

Contact hours: 14 per week **Campus:** Kelvin Grove

Incompatible with: KSB203

KSB103 Voice and Movement 1

This unit is an introduction to an organic approach to body and voice and their integration as the basis for all forms of dramatic expression. All voice and body work complements and supports the emotional freeing demanded in acting classes.

Corequisite(s): KSB101 **Credit points:** 12 **Contact**

hours: 6 per week **Campus:** Kelvin Grove

Incompatible with: KSB204

KSB104 Voice and Movement 2

This unit continues the vocal and physical development work and introduces specific craft techniques. You will be working on contemporary naturalistic texts for stage, film and television.

Prerequisite(s): KSB103/KSB204 **Credit points:** 12

Contact hours: 6 per week **Campus:** Kelvin Grove

Incompatible with: KSB205

KSB105 Theatrecraft

This unit involves development of practical skills in workshop construction and pre-production areas of stage scenery, props and costumes.

Corequisite(s): KSB111, KSB113 **Credit points:** 12

Contact hours: 4 per week **Campus:** Kelvin Grove

Incompatible with: KSB274

KSB111 Stage Management 1

This unit introduces the 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 and rehearsal room procedures.

Corequisite(s): KSB105, KSB113 **Credit points:** 12

Contact hours: 4 per week **Campus:** Kelvin Grove

Incompatible with: KSB292

KSB113 Technical Production 1

This unit develops basic skills in theatrical lighting and sound operation and their integration into the overall production process.

Corequisite(s): KSB105, KSB111 **Credit points:** 12

Contact hours: 6 per week **Campus:** Kelvin Grove

Incompatible with: KSB289

KSB114 Event Technology Practice

This unit provides technical production students with the opportunity to apply lecture content to authentic learning sites through participation in creative industries events and productions.

Prerequisite(s): KSB111/KSB292, KSB113/KSB289

Credit points: 12 **Contact hours:** 15 per week

Campus: Kelvin Grove **Incompatible with:** KSB018

KSB211 Stage Management 2

This unit introduces the management issues in areas of stage mechanics, flying, props and wardrobe and preparation of students to undertake performance crew roles in these departments. It provides an introduction into stage management for Dance, Opera and Musicals.

Prerequisite(s): KSB111/KSB292, KSB113/KSB289

Corequisite(s): KSB213. KSB215 is also strongly

recommended as a corequisite. **Credit points:** 12

Contact hours: 4 per week **Campus:** Kelvin Grove

Incompatible with: KSB293

KSB212 Stage Management 3

This unit broadens the skills base for stage managers into production and event management.

Prerequisite(s): KSB211/KSB293 **Corequisite(s):**

KSB214/KSB291 **Credit points:** 12 **Contact hours:** 4

per week **Campus:** Kelvin Grove **Incompatible with:**

KSB294

KSB215 Visual Theatre Design

This unit considers the following: the 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.

Prerequisite(s): KSB105/KSB274 **Corequisite(s):**

KSB211 and KSB213 are strongly recommended as

corequisites **Credit points:** 12 **Contact hours:** 3 per

week **Campus:** Kelvin Grove **Incompatible with:**

KSB276

KSB217 Technical Production 2

This unit continues the creative and technical use of lighting and sound in performances. It provides an introduction to lighting and sound design and advances in lighting and sound operations in the overall production process. With an emphasis on an environment of increasingly-complex sound and lighting practice, this unit exposes students to a diverse range of venues, equipment and contexts. They will be introduced to the skills and professional protocols demanded by the production process across multiple genres. There is a provision for multi-skilling and management of technical expertise, and students will undertake at least two production roles on a creative industries production or event. Intensive, studio-based classes and seminars and professionally-conducted, rigorous rehearsal periods characterise the teaching and learning in this unit, in productions and events for the paying public.

Prerequisite(s): KSB114 (prev KSB018) **Corequisite(s):** KSB211/KSB215 **Credit points:** 24 **Contact hours:** 12 per week, except during rehearsals and performance/production weeks. **Incompatible with:** KSB290/KSB213

KSB218 Technical Production 3

This unit engages a complex balance of intense, studio-based classroom work and practical, production experience with a concentration on the principles and realisation of professional lighting design. It supports students moving forward into creative and management roles in lighting, sound and production specialties. Student roles will include drama, contemporary dance, ballet, opera, musicals and concerts. Lighting and sound design and operation are integrated into the overall learning and production processes. Students will continue to develop creative and management methods and a high level of production independence - with an emphasis on understanding and applying advanced techniques in these areas. The process of putting theoretical knowledge into practice is followed by individual, meaningful and analytical reflection and feedback.

Prerequisite(s): KSB113 (prev KSB289), KSB213 (prev KSB290) **Credit points:** 24 **Contact hours:** 12 per week, except during rehearsals and performance/production weeks. **Incompatible with:** KSB291

KSB223 Voice and Movement 3

This unit explores the area of heightened language. The focus is on the technical devices of Shakespearean text. Work developed is performed both on the stage and for camera.

Prerequisite(s): KSB104/KSB205 **Corequisite(s):** KSB221 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Incompatible with:** KSB233

KSB224 Voice and Movement 4

This unit develops a vocal and physical technique that supports and serves the professional performer. Advanced voice and body studio work develops physical expressiveness, clarity and strength.

Prerequisite(s): KSB223/KSB233 **Credit points:** 12

Contact hours: 6 per week **Campus:** Kelvin Grove
Incompatible with: KSB234

KSB229 Acting 3

This unit advances the acting process and associated skills through rehearsal and performances of complex text-based plays. With an emphasis on classical texts such as Chekov and Shakespeare, the aim of this activity is to bring dramatic text to life for an audience, creating believable characters, situations and relationships. In addition, students will be introduced to the skills and professional protocols demanded by the audition process. Intensive studio-based work, professionally-conducted rigorous rehearsal periods culminating in performances for the paying public will characterise the teaching and learning in this unit.

Prerequisite(s): KSB102 **Credit points:** 24 **Contact hours:** 10 per week, except during dress rehearsals and performance weeks. **Campus:** Kelvin Grove
Incompatible with: KSB221

KSB230 Acting 4

This is an advanced acting unit that introduces the concept of the independent artist through writing and performing a stand-up comedy routine and responding to the demands of a professional director in a major Shakespeare performance. Students will work in a variety of performance venues to enable them to adapt their craft and skills to the differing acoustic and audience types encountered in professional practice. Additionally, they will develop advanced audition and rehearsal management techniques. This unit continues the consolidation of the organic acting process with a developed technique for both stage and screen and is delivered via intensive studio-based work, professionally-conducted rigorous rehearsal periods culminating in performances for the paying public.

Prerequisite(s): KSB221 **Credit points:** 24 **Contact hours:** 10 per week, except during dress rehearsals and performance weeks. **Campus:** Kelvin Grove
Incompatible with: KSB222

KSB301 Theatre Project 1

In this unit you participate in a season of semi-profiled performance projects, working as an ensemble performing roles for film and stage.

Prerequisite(s): KSB222/KSB248; or KSB214/KSB291 and KSB212/KSB294. This is a final year unit. **Credit points:** 48 **Contact hours:** According to the productions' requirements **Campus:** Kelvin Grove **Incompatible with:** KSB255

KSB302 Theatre Project 2

A season of high-profiled performance projects, providing you with the opportunity to demonstrate their skills to potential employers in the industry, through film and stage work.

Prerequisite(s): KSB301/KSB255 **Credit points:** 48 **Contact hours:** According to the productions' requirements **Campus:** Kelvin Grove **Incompatible with:** KSB256

KTB101 20th Century Performance

In this unit you will investigate the major artistic movements of the 20th century; fields of performance practice dominant in the 20th century; key 20th century performance makers

and innovators and theatricality and performance.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KTB251

KTB102 Process Drama

This unit examines the structural forms and dramatic conventions used in a specific genre of drama - process drama. It moves from examining effective drama workshop design to consider the artistic application of these workshop techniques.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KTB214

KTB103 Performing Skills 1: Character and Scene

This unit provides you with essential understanding of how to combine practical performance skills (involving body/voice/role) with analytical, research and group skills, into an overall methodology for creating performance, within a professional ethos.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** KTB257+KSB259

KTB104 Performance Innovation

The aim of this unit is to give you an appreciation and understanding of performance innovation in both historical and contemporary contexts.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KTB271

KTB105 Production 1: Story Making

This unit introduces a clearly defined rehearsal ethic through extended performance project. It includes text analysis, formal group discussion, role creation and intensive rehearsal, and live performance of a scripted drama before an audience

Prerequisite(s): KTB103/KTB257 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Incompatible with:** KTB273

KTB106 Performing Skills 2: Style and Form

This unit is designed to be of benefit to anyone seeking to extend their understanding through workshop, rehearsal, performance, and the application of dramaturgical skills, of theatrical styles and forms other than realism. These could include Greek drama, commedia dell'arte, Shakespearean theatre, Restoration comedy, comedy of manners, epic theatre and theatre of the absurd.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** KTB258

KTB201 Drama Curriculum Studies 1

This unit provides an introduction to key syllabus documents and to key skills and strategies of drama teaching.

Prerequisite(s): Completion of 48 credit points of study in this discipline area **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** KTB414

KTB202 Drama Curriculum Studies 2

In this unit, you develop planning and teaching skills for aesthetic learning and assessment and develop as a critically reflective practitioner and teacher artist.

Prerequisite(s): KTB201 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Kelvin Grove **Incompatible with:** KTB415

KTB203 Drama Curriculum Studies 3

This unit is the final drama curriculum unit for you as a graduating drama teacher. In this third curriculum unit you will expand on the knowledge and understandings gained from Drama Curriculum Studies 1 and 2. It provides you with the opportunity to articulate a wide range of teaching skills that are essential for interpreting and managing in a variety of arts contexts in school and industry.

Prerequisite(s): KTB202 must be taken as either a prerequisite or a corequisite **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

KTB204 Understanding Performance

In this unit you will investigate the nature of the performance event; performance in everyday life; theatricality and performance; trans-disciplinary performance theory and practice; the body in performance; site and performance; live and mediated performance; spectator and audience.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KTB275

KTB205 Production 2: The Collaborative Artist

This unit focuses on the collaborative devising of a performance with professional guidance.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** KTB308

KTB206 The Creating Body

This unit is designed to extend understanding of innovative, physically-based performance. Through practical and theoretical work, the unit explores the possibilities and problematics of body-centred methodology and performance.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** KTB277

KTB207 Staging Australia

This unit introduces key concepts and practices pertaining to Australian theatre and drama of the twentieth and twentieth-first centuries. Theatre practices are explored in relation to broader social and political concerns.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KTB253

KTB209 Applied Performance

This unit is a combination of a 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. It provides a basis for further work in writing for performance and advanced improvisational skills.

Prerequisite(s): KTB102/KTB214 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KTB280

KTB210 Creative Industries Management

This unit introduces management techniques within the Australian creative industries environment including company structures, cultural policy, strategic management and leadership in the arts, legal, ethical, economical and social requirements of arts, boards, and entrepreneurial

activity.

Prerequisite(s): Completion of 72 credit points of study
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KTB061

KTB211 Creative Industries Events and Festivals

Combination of practical and theoretical investigation into how strategy and mission work in arts agencies in arts, events, promotion and public relations in Australia.

Prerequisite(s): Completion of 72 credit points of study
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KTB062

KTB301 Performing Self

This unit provides you with the requisite skills for success within the creative industries in a knowledge economy by consolidating three years of undergraduate study as a performing arts graduate. In particular the unit focuses on what it means to be an initiator and leader within the sector.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KTB056

KTB303 Production 3: Interpreting and Adapting

Performance 3: Interpreting & Adapting will provide you, as a third year student, with the opportunity to consolidate theoretical understandings and practical skills in performance making with particular application to adaptation, interpretation and the creation of innovative performance forms.

Prerequisite(s): Completion of 168 credit points of study
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KTB310

KTB305 The Entrepreneurial Artist

This unit is taken in the final three years of the Bachelor of Creative Industries Drama course. The program is designed to cover a range of artistic and economic areas, including: aesthetics, creativity, regulatory, administrative, legal and ethical issues related to the practice and business of the creative industries.

Prerequisite(s): Completion of 168 credit points of study
Credit points: 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Incompatible with:** KTB309

KTB306 Directing for Performance Events and Festivals

This unit equips you with the basic analytical, organisational, interpretive and choreographic skills necessary to taking a creative performance project from conception through to realisation.

Prerequisite(s): Completion of 72 credit points of study
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KTP201 Drama Curriculum Studies 1

This unit provides an introduction to key syllabus documents and to key skills and strategies of drama teaching.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

KTP202 Drama Curriculum Studies 2

In this unit, you develop planning and teaching skills for aesthetic learning and assessment and develop as a critically reflective practitioner and teacher artist.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

KTP203 Drama Curriculum Studies 3

This unit is the final drama curriculum unit for you as a graduating drama teacher. In this third curriculum unit you will expand on the knowledge and understandings gained from Drama Curriculum Studies 1 and 2. It provides you with the opportunity to articulate a wide range of teaching skills that are essential for interpreting and managing in a variety of arts contexts in school and industry.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KTP401 Contemporary Performance

School curriculum documents present Drama as a stable field of study. The elements of Drama and the conventions of various periods have provided the pivot around which genres and forms of Theatre can be studied. However, in recent decades a fresh species of Drama has emerged called Performance to challenge many of the traditional terms we use to define Theatre.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KTN002

KTP406 Creative Industries: Events and Festivals

Combination of a practical and theoretical investigation into how strategy and mission work in arts agencies in arts, events, promotion and public relations in Australia.

Contact hours: 3 per week **Campus:** Kelvin Grove

KTP409 Arts and Cultural Management

This unit provides students of arts and cultural management with an investigation and analysis of the management function of the not-for-profit arts organisation. It examines the strategic management approaches and operational procedures of arts organisations, including their relationships with the legal system, the media, business, the public, and the industrial provisions and human resources of the organisation.

Contact hours: 3 per week **Campus:** Kelvin Grove
Incompatible with: GSN227

KTP411 Advanced Practice in Creative Production and Arts Management

The growth of arts festivals and cultural centres across Australia and internationally is driving a demand for new and appealing arts programs. To meet this demand, cultural producers require a comprehensive suite of skills including creative entrepreneurship, programming, commissioning, management and leadership.

Credit points: 12 **Contact hours:** 2 per week **Campus:** Kelvin Grove

KVB102 Modernism

This unit provides an overview of the key concepts and movements that comprise twentieth-century modernism in the period 1900-1945. Beginning with cubism, the unit provides an understanding of terms, such as avant-garde, modernism and modernity. It explains how modernism focuses upon the issue of representation and how this approach led to inter-disciplinary work, which engaged with film, photography, design, architecture and installation as

well as the traditional visual arts.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KVB701

KVB103 Australian Art

This unit focuses on Australian art over the course of the twentieth century, including the contemporary period. It gives you an understanding of the national, cultural and social frameworks within which this art has been produced and introduces a number of artists, artistic movements and issues within Australian art. It also considers the nature of indigenous art and its contribution to the complexity of Australian cultural identity. All of these issues are presented in order to help you understand the important role of Australian art as an expression of our cultural values throughout the twentieth century.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KVB702

KVB104 Photomedia and Artistic Practice

This unit aims to provide you with an understanding of the aesthetic aspects of various photomedia concepts and processes and the artistic use of genres. It also aims to give you proficiency in alternative and experimental uses of photographic processes, establishing an understanding of investigative and creative research. By including a range of photographic processes as part of the photographic artist's repertoire, this unit aims to give you a broad range of choices and approaches to creating images. The unit encourages you to engage with photography as a medium for visual and artistic expression in order to extend your own photographic practice.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KVB509

KVB105 Drawing for Design

This is a studio based unit that introduces you to media, processes, strategies and traditions of drawing and associated imagery for use in animated media. The development of critical/reflective frameworks of traditional and contemporary practice underpins studio development.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KVB755

KVB106 Drawing for Animation

This unit develops individual knowledge, concepts and skills to enable you to articulate and present capabilities of motion through drawing for contemporary animation practices.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KVB756

KVB107 Drawing For Fashion

This unit concentrates on developing core skills and knowledge of drawing to provide an important foundation for existing and evolving modes for constructing and presenting fashion proposals.

Contact hours: 4 per week **Campus:** Kelvin Grove
Incompatible with: KVB107-2, KVB757-2

KVB108 Contemporary Asian Visual Culture

This unit considers the influences of historical visual arts, backgrounds, philosophical beliefs and trade on the symbolism, forms, techniques and uses of various artifacts

in contemporary Asian visual art practice.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KVB444

KVB110 2D Media and Processes

This introductory unit is a studio course enabling you to explore, construct, analyse and interpret visual data through the 2D graphic modes of drawing, painting and printmaking.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

KVB111 3D Media and Processes

This first year unit introduces you to current contemporary art practices and concepts to assist you in making, analyzing and critiquing three dimensional artworks. As a second semester unit, this unit will develop foundational skills in 3D media and processes to complement and augment understandings and knowledge of 2D media and processes.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

KVB120 Studio Art Practice 1

This unit includes the following: development of an enquiry-based, self-sustaining 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. It includes introductions to technological artforms. This is a designated unit.

Credit points: 24 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Incompatible with:** KVB740

KVB121 Studio Art Practice 2

This unit addresses a number of contemporary contexts and methods for studio art practice that provide catalysts for your individual research. In consultation with studio staff, you formulate and apply an individual framework to develop your studio based practice. Lectures support studio work by introducing professional practitioners, current art issues and practices and providing examples of contemporary art in its multiple contexts. Studio workshops assist you in the development of technical skills.

Prerequisite(s): KVB120/KVB740 **Credit points:** 24
Contact hours: 6 per week **Campus:** Kelvin Grove
Incompatible with: KVB741

KVB200 Exhibition and Display in the Visual Arts

This unit addresses the development of the Museum in Western cultures and how that tradition manifests in current arts practices, such as in contemporary exhibitions, the display of collections, installation and site-specificity, audience interaction, curatorial activities such as didactic panels and virtual galleries. This unit will assist you in displaying objects and images from your own arts practice and/or the artwork of others in effective and appropriate ways.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KVB204 Graphic Design

Graphic design is a long established field of study involving the presentation of aesthetic elements, image and text for the purpose of effective communication. New modes of reproduction, display and transmission are reshaping the way that text, images and messages are communicated. This unit will develop an understanding of enduring graphic design principles, emphasize the importance of targeted communication, and introduce new and innovative ways of approaching graphic design for contemporary media. You will apply these principles by articulating and graphically presenting design options for production in a range of mediums. Lectures will introduce graphic design principles, theory and practices and this knowledge will be applied in a range of contexts within design studios.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KVB211 Post 1945 Art

This unit introduces the historical, philosophical, economic, political, social, cultural, artistic and formal issues related to the production of art since 1945 and into the post-modern era. Major topics that are examined include the neo-avant-garde and art's engagement with consumerism. This unit is intended as a foundation skill-base for all students in Creative Industries applicable to all disciplines and cultural industries including art criticism, arts practice, architecture, landscape architecture, fashion and music.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KVB212 Australian Art, Architecture and Design

This unit aims to examine the impact of modernism upon the fields of visual art, architecture and design in Australia during the period between 1917 and 1967. It will also examine debates about modernism and provide a detailed historical background to the development of these three fields in Australia in response to the idea of modernism. It will build upon the background provided in units such as KVB102 Modernism and KVB103 Australian Art by providing more in-depth analysis of modernism in the Australian context. It will also develop the practical application of such principals in design exercises.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KVB213 Graphic Investigation

The interface between the graphic design, print and art environments is dynamic and pervasive. An awareness of contemporary practices through conceptual and cross-media investigations will allow you to interpret, create and engage in these environments.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KVB220 Studio Art Practice 3

In consultation with studio staff, you formulate a program of work for the semester which allows you to investigate your own personal artistic direction, formulate and develop self-generated enquiry and acquire working methods, resources, skills and knowledge necessary to realise concepts.

Prerequisite(s): KVB120/KVB740 and KVB121/KVB741

Credit points: 24 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Incompatible with:** KVB742

KVB221 Studio Art Practice 4

The conditions of current cultural practice, their production, reception and contribution to society are extremely diverse, increasingly complex and multi-layered. In this unit sustained critical involvement and an increasing commitment to artistic conceptual pursuits is underpinned by contemporary theoretical reference which includes investigation into a broad range of artists' practices. You are required to articulate a personal position in these issues.

Prerequisite(s): KVB220/KVB742 **Credit points:** 24
Contact hours: 6 per week **Campus:** Kelvin Grove
Incompatible with: KVB743

KVB301 Visual Arts Curriculum Studies 1

The aim of this unit is to enable you to begin to design and sequence Visual Arts activities that address learning experiences for successful planning, teaching and classroom management. The skills and knowledge of this unit will assist you in creating appropriate learning outcomes and assessments as well as address syllabus requirements. The content and processes of this unit are based on your previous required studies and experiences in Visual Arts theory and practice.

Prerequisite(s): Completion of 48 credit points of study in this discipline area **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KVB412

KVB302 Visual Arts Curriculum Studies 2

The aim of this unit is to have you establish capabilities in the design, sequencing and delivery of visual arts studies that address the learner as well as the requirements of syllabus documents. This unit will address issues of both unit and whole program structures as well as classroom management and teaching in the visual arts.

Prerequisite(s): KVB301 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove
Incompatible with: KVB413

KVB303 Visual Arts Curriculum Studies 3

This unit aims to prepare you for the complexity of secondary visual arts teaching. With a particular emphasis on professional preparedness, this unit aims to support your development as a competent, confident, skilled curriculum developer and reflective practitioner.

Prerequisite(s): KVB302 must be taken as either a prerequisite or a corequisite **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KVB304 Contemporary Art Issues

This unit is intended as a foundation skill-base for students in Creative Industries applicable to all disciplines and cultural industries including art criticism, arts practice, architecture and fashion. The unit introduces the economic, political, social, cultural, artistic and formal issues related to the production of art since 1990 in the contemporary era. By means of lectures, discussions and analysis of artworks and readings, the students' awareness of the conceptual, historical and philosophical contexts concerning artists and the artworks is heightened.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KVB712

KVB306 Video Art and Culture

Existing Visual Arts units examine a broad range of subjects addressing artistic media such as painting, sculpture and installation. The 'Video Art and Culture' unit supplements these by instituting a specialised study of artistic and cultural practice that focuses on new mass media technology. The unit therefore enhances, extends and updates knowledge of recent art strategies in contemporary society.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KVB703

KVB307 Theories of Spatial Culture

This unit provides the necessary critical evaluation of issues and practices that relate to considerations of space in modern and contemporary art, new media and culture in general. It provides a historical overview of key art practices that have focused their critical attention to the issue of space and the built environment. In order to function as an informed practitioner in the environment of public space you must acquire such knowledge because it will form the critical-analytical background to current debates and theories in the field of spatial culture and public art.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KVB704

KVB320 Studio Project 1

In consultation with studio staff students at this level are expected to undertake individual projects that lead to the development of a professional organised and articulated body of work. Substantial research is expected in support of these projects.

Prerequisite(s): KVB221/KVB743 **Credit points:** 24
Contact hours: 6 per week **Campus:** Kelvin Grove
Incompatible with: KVB744

KVB321 Studio Project 2

In consultation with studio staff, at this level you are expected to undertake individual projects that lead to the development of a professionally organised and articulated body of work. Substantial research is expected in support of these projects.

Prerequisite(s): KVB320/KVB744 **Credit points:** 24
Contact hours: 6 per week **Campus:** Kelvin Grove
Incompatible with: KVB745

KVD104 Photomedia and Artistic Practice

This unit aims to provide you with an understanding of the aesthetic aspects of various photomedia concepts and processes and the artistic use of genres. It also aims to give you proficiency in alternative and experimental uses of photographic processes, establishing an understanding of investigative and creative research. By including a range of photographic processes as part of the photographic artist's repertoire, this unit aims to give you a broad range of choices and approaches to creating images. The unit encourages you to engage with photography as a medium for visual and artistic expression in order to extend your own photographic practice.

Credit points: 12 **Contact hours:** 3 per week

KVP301 Visual Arts Curriculum Studies 1

The aim of this unit is to enable you to begin to design and sequence Visual Arts activities that address learning experiences for successful planning, teaching and classroom management. The skills and knowledge of this unit will assist you in creating appropriate learning outcomes and assessments as well as address syllabus requirements. The content and processes of this unit are based on your previous required studies and experiences in Visual Arts theory and practice.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KVP302 Visual Arts Curriculum Studies 2

The aim of this unit is to have you establish capabilities in the design, sequencing and delivery of visual arts studies that address the learner as well as the requirements of syllabus documents. This unit will address issues of both unit and whole program structures as well as classroom management and teaching in the visual arts.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KVP303 Visual Arts Curriculum Studies 3

This unit aims to prepare you for the complexity of secondary visual arts teaching. With a particular emphasis on professional preparedness, this unit aims to support your development as a competent, confident, skilled curriculum developer and reflective practitioner.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KVP400 Contemporary Aesthetic Debates

This unit focuses upon aesthetic debates that inform contemporary art practice. The unit concentrates on developing historical, critical and analytical skills in evaluating modern and contemporary critical issues in the visual arts as well as contemporary culture in general. For this reason, it examines the status of art today, asking what type of knowledge does art give us, whether it remains important today and how art is it best comprehended.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KVB004

KVP402 Photomedia and Creative Practice

This unit provides you with an understanding of conceptual, technical and aesthetic perspectives as encountered in a number of contemporary photographic genres. The unit teaches you strategies for developing and applying advanced processes and concepts in Photomedia to the creation of your own personal work. It also encourages critical understanding of contexts that will contribute to your ability to work in a variety of creative and industry settings.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KVB104, KVB509

KWB101 Introduction to Creative Writing

This course develops creative, critical and analytical skills in reading and writing a variety of creative textual forms. You acquire an understanding and some practice in crafting various forms of poetry and short fiction.

Credit points: 12 **Contact hours:** 3 per week **Campus:**

Kelvin Grove **Incompatible with:** KWB250

KWB102 Media Writing

This unit introduces you to the formats, terminology and protocols used in the preparation of proposal documents and short scripts. It will explore fundamental concepts including narrative structures, metaphors, point of view, plotting, character and voice. You will examine a range of professional scripts and development documents and be asked to apply their knowledge of typical script problems and solutions to their own work.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWB111

KWB103 Persuasive Writing

This unit teaches the use of persuasive writing in the workplace. The unit analyses a variety of writing genres to reveal how they persuade their audiences. The analysis is founded on critical discourse and semiotic theory. You will apply these learned techniques and theories to produce a portfolio of persuasive writing. It covers a range of genres such as public health campaigns, proposals, speechwriting and political persuasion.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWB315

KWB104 Creative Writing: The Short Story

The unit covers the writing of the short story in detail.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWB350

KWB106 Corporate Writing and Editing

This unit deals with both the fundamentals of language (grammar, punctuation, style) and the dominant corporate writing genres (manuals, report, speeches, brochures).

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWB314

KWB107 Creative Non-Fiction

This unit covers the acquisition of practical and analytical skills in creative non-fiction writing in particular review writing on books, film, music, visual arts, fashion and food, as well as travel, scientific, essay, humorous and sports writing. The unit provides examples, techniques and practical exercises in non-fiction creative writing and editing, and the opportunity to develop individual work in the supportive context of in-class and small workshop groups. Potential publishing areas will be explored.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWB381

KWB108 Introduction To Literary Studies

"The 'textualisation' of the world has been an important development in twentieth century theory in the West," (Fuery:57). What are texts? What do they mean? This unit addresses these issues by providing you with an introduction to conceptual frameworks derived from some of the major critical discourses that have impacted on our world.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWB001, KWB716

KWB109 Writing Australia

This unit provides you with opportunities to read, explore, discuss and evaluate a number of Australian texts written and published over the last twenty-five years. Upon completing this unit, you are able to understand and critically interrogate texts pertinent to contemporary Australian society and culture.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Incompatible with:** KWB002, KWB710

KWB204 Writing for Performance

This unit covers the diversity of creative non-fiction life writing, but with an emphasis on contemporary biography and autobiography. While providing theoretical and critical context, the main focus of classes is to teach you to do practical biographical and autobiographical research and writing of your own.

Contact hours: 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWB380

KWB205 Creative Writing Project 1

This unit provides the opportunity for you to write a sustained piece of creative work, within the genre of your choice, including short fiction, poetry, creative non-fiction and hypertext, under supervision. Such work will be written to a standard commensurate with being suitable to submit for publication to print or electronic journals. Your final submission is written after familiarisation with industry demands, niches and marketing possibilities.

Prerequisite(s): For BCI and BFA Creative Writing and Creative Writing Production majors only **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWB395

KWB206 Youth and Children's Writing

This unit includes children's and adolescent novels within the cultural context of nineteenth and twentieth century Australia, England and America. It focuses on textual analysis of major generic types and considers issues such as race, gender, class and regionalism in fiction for young Australians.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Incompatible with:** KWB712

KWB207 Great Books: Creative Writing Classics

This unit provides an overview of the enduring classic literary works. It will give you a better knowledge and understanding of the craft of storytelling and stimulate you to develop your own critical and creative writing as well as an understanding of yourself and others. The course commences with several of Chaucer's medieval tales and concludes with Vonnegut's modern anti-war classic *Slaughterhouse Five*. It includes Swift's biting satire and Emily Bronte's passionate *Wuthering Heights*. The unit aims to make such works accessible to students from all disciplines in the university, and provides valuable historical context and analysis of the writing craft in each case.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Incompatible with:** KWB301

KWB208 Modern Times (Literature and Culture in the 20th Century)

The twentieth century is a time of significant developments and major transformations in writing and culture. This unit focuses on a number of twentieth century writers from Europe, England, Africa, Asia, Australia the Americas, from modern to postmodern times, and explores the connections between texts, language, culture and society.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWB003, KWB321

KWB209 Shakespeare, Then and Now

This unit is designed to introduce students to Shakespearean studies and the ongoing cultural importance of Shakespearean material.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWB004, KWB729

KWB211 Stylistics and Poetics

This unit allows students to significantly advance their writing practice and associated critical and editorial skills through close analysis of language-level literary style, as opposed to story-level or narrative concerns. In creative writing advanced stylistics, students will work on unpacking, theorising and then replicating literary techniques used by a wide range of exemplary authors. This unit gives students a unique opportunity to consider and manipulate very specific aspects of their authorial voices, drawing on the field of literary stylistics, the Oulipo movement, reader response theorists, and other author-based literary theories and schools. Intensive studio-based work, self-directed creative practice, guided critical analysis and asynchronous on-line activities characterise the teaching and learning in this unit.

Credit points: 12 **Contact hours:** 3hr intensive workshop per week, plus self-directed creative practice, plus weekly analysis activities, plus peer reflection activities – ten hours in total. **Campus:** Kelvin Grove

KWB302 Novel and Genre

This unit is a key advanced Creative Writing unit in the Advanced Writing Practice package. This unit enables you to develop a sustained and coherent piece of work, and develop the analytical, practical and professional skills needed to work within this unique form. The focus is on the longer narrative form and across various genres. The unit is also designed to enable you to begin to develop a critical understanding of your own and others approaches to the writing life. This unit includes face-to-face and electronic learning environments designed to facilitate the development of professional reading, editing and writing skills.

Credit points: 12 **Contact hours:** 3 hour intensive workshop, plus self-directed creative practice and peer critiquing. Total hours per week – 10. **Campus:** Kelvin Grove

KWB303 Writing and Publishing Industry

This unit provides an introduction to the function and structure of the writing and publishing industry.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWB399

KWB304 Editing and Developing the Manuscript

This unit develops your understanding of the editing process - in particular, the developmental intervention required to bring a creative manuscript to a publishable standard. These skills are crucial to those of you intending to work in the publishing industry, and of great benefit to professional creative writers. You will receive the opportunity to learn to edit the work of others with insight, understanding and technical skill.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWB301

KWB305 Creative Writing Project 2

As the capstone unit in the BFA Creative Writing, this unit gives the student the vital opportunity to concentrate on developing, writing and editing a sustained major piece of creative work, within the genre of their choice, including short fiction, poetry and non-fiction, under supervision.

Prerequisite(s): For KK34 Creative Writing students only. Students are expected to undertake this unit in their final year of study. **Credit points:** 36 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Incompatible with:** KWB396

KWB307 Indigenous Writing

This unit provides you with the opportunity to explore the rich and diverse range of Indigenous narrative or story telling throughout the world, including Australian Aboriginal and Torres Strait Islander story-telling. In doing so it explores both traditional and contemporary narratives as an exciting site of constantly developing, innovative and culturally rich forms of cultural expression, exploration and development. The unit provides you with the opportunity to explore and reflect upon their own relationships to Indigenous Writing and culture as readers, writers and/or critics.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWB007, KWB701

KWB308 Wonderlands: Literature and Culture in the 19th Century

This unit considers important contemporary cultural and social questions by way of readings in science fiction, fantasy fiction and fiction, class ideologies and revolutionary politics from a selection of novels and poetry of the nineteenth century. The novels and poems examine political and social change in Europe between 1790 and 1900, with a view to making critical links between current ideologies and literary forms and their formulation in a nineteenth century text. As such, works ranging from Frankenstein to Alice in Wonderland are deployed to consider the textual representations of important cultural, social, and sexual issues.

Prerequisite(s): Assumed Knowledge: KWB207, KWB208 and KWB209 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWB005, KWB724

KWB309 Popular Fictions, Popular Culture

The unit is designed to provide you with skills in understanding popular culture/s. It addresses the production of popular culture via a range of texts and mediums, and

provides you with a framework by which you can critique the operations of popular cultures.

Prerequisite(s): Assumed Knowledge: KWB206 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWB006, KWB725

KWB313 Novel and Memoir

This unit allows students to significantly advance their writing practice and associated critical and editorial skills through close analysis of the novel and memoir, with an emphasis on story-level and narrative concerns. In Novel and Memoir, students will engage in detailed analysis from a writer's point of view of how a novel is made at the problem-solving process, which includes overall and chapter structure, character development, and other key narrative elements. This unit also gives students a unique opportunity to consider the synergies and differences between writing novels and longer forms of life writing, with extended analysis of the conventions of memoir writing. Lectures, intensive workshop activities, self-directed creative practice, guided critical analysis, and on-line collaboration characterise the teaching and learning in this unit.

Credit points: 12 **Contact hours:** 3hr combined lecture and workshop per week, plus self-directed creative practice, plus weekly analysis activities, plus peer reflection activities – ten hours in total. **Campus:** Kelvin Grove

Incompatible with: KWB380, KWB204

KWB331 Creative Writing Advanced Practice 1

This unit is the first in a series of three advanced practice units in creative writing. These units allow students to significantly advance their writing practice and associated critical and editorial skills. In creative writing advanced practice 1 students will work on a sustained work of fiction in the genre/s of their choice including poetry, short fiction, long-form fiction (e.g.: elements of a novel length work) and non-fiction with a specific emphasis on conceptualising, planning and beginning sustained pieces. With the ability to articulate into the other advanced practice units, this unit gives students a unique opportunity to work on a sustained piece of fiction for up to a year and a half. Intensive studio-based work, professionally-conducted mentorship opportunities, self-directed creative practice and critical peer evaluation characterise the teaching and learning in this unit.

Credit points: 12 **Contact hours:** 2hr intensive workshop per week, plus self-directed creative practice, plus peer critique activities – ten hours in total. **Campus:** Kelvin Grove

KWP401 Media Writing

This unit introduces you to the formats, terminology and protocols used in the preparation of proposal documents and short scripts. It will explore fundamental concepts including narrative structures, metaphors, point of view, plotting, character and voice. You will examine a range of professional scripts and development documents and be asked to apply their knowledge of typical script problems and solutions to their own work.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWP111

KWP402 Persuasive Writing

This unit teaches the use of persuasive writing in the workplace. The unit analyses a variety of writing genres to reveal how they persuade their audiences. The analysis is founded on critical discourse and semiotic theory. You will apply these learned techniques and theories to produce a portfolio of persuasive writing. It covers a range of genres such as public health campaigns, proposals, speechwriting and political persuasion.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWP315

KWP403 Creative Writing: The Short Story

The unit covers the writing of the short story in detail.

Contact hours: 3 per week **Campus:** Kelvin Grove
Incompatible with: KWP350

KWP404 Editing and Developing the Manuscript

This unit examines processes of editing and manuscript development from the viewpoint of both editor and writer. You participate in the managed development of a manuscript or a range of manuscripts. Classes are taken in intimate seminar mode.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** KWP104

KWP405 Corporate Writing and Editing

This unit deals with both the fundamentals of language (grammar, punctuation, style) and the dominant corporate writing genres (manuals, report, speeches, brochures).

Credit points: 12 **Contact hours:** 3.5 per week
Campus: Kelvin Grove **Incompatible with:** KWP314

KWP406 Creative Writing: The Novel

This unit focuses on the development of a novel proposal, based on a solid understanding of the skills, industry expectations and writing skills that undertaking such a task requires.

Contact hours: 3 per week **Campus:** Kelvin Grove

KWP407 Great Books: the Literary Classics

This unit provides an overview of the enduring classic literary works. It will give you a better knowledge and understanding of the craft of storytelling and stimulate you to develop your own critical and creative writing as well as an understanding of yourself and others. The course commences with several of Chaucer's medieval tales and concludes with Vonnegut's modern anti-war classic *Slaughterhouse Five*. It includes Swift's biting satire and Emily Bronte's passionate *Wuthering Heights*. The unit aims to make such works accessible to students from all disciplines in the university, and provides valuable historical context and analysis of the writing craft in each case.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KWP410 Narrative: Advanced Practice

The novel represents one of the most pervasive, complex and culturally important literary forms. This unit is designed to help you examine the theory and practice of novel writing across various genres; the relationship between imagination and inspiration and the process of planning and research leading to the development of a novel proposal, including an

initial chapter and synopsis.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

KWP412 Contemporary Practice in Professional Communication

Professional communication specialists require high-level practical and theoretical skills. A key aspect of any professional writing document is its level of reader usability. Therefore, this unit provides high-level skills in professional writing with an aim to ensure that professional writing documents are tailored specifically to meet the needs of the user. The skills required to meet user needs include tone, advanced style and clarity, advanced English grammar, and advanced editing skills.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

LPP111 Lawyers' Skills

The Law Admissions Consultative Committee considers that 'an entry level lawyer should be able to demonstrate oral communication skills, advocacy skills, negotiation and dispute resolution skills, and letter writing and legal drafting skills'. These skills are introduced in this unit. The intention is that students then seek to develop those skills during the rest of the course and in the workplace.

Prerequisite(s): LLB **Credit points:** 12 **Contact hours:** 4 days per semester **Campus:** Gardens Point

LPP112 Work Skills

The Law Admissions Consultative Committee considers that 'an entry level lawyer should be able to manage workload, work habits and work practices in a way that ensures clients' matters are dealt with in a timely and cost-effective manner'. This unit provides students with the basis of those skills and the basics of practical legal problem-solving skills. The intention is that students then seek to develop those skills during the rest of the course and in the workplace.

Prerequisite(s): LLB **Credit points:** 12 **Contact hours:** 4 days per semester **Campus:** Gardens Point

LPP113 Civil Litigation

The Law Admissions Consultative Committee considers that 'an entry level lawyer should be able to conduct civil litigation in first instance matters in courts of general jurisdiction, in a timely and cost-effective manner'. This unit provides students with the basis of that ability in the context of civil litigation in a state court.

Prerequisite(s): LLB **Credit points:** 12 **Contact hours:** 6hrs per week plus online **Campus:** Gardens Point and External

LPP114 Commercial

The Law Admissions Consultative Committee considers that 'an entry level lawyer should be able to conduct commercial transactions such as the sale and purchase of a small business...set up standard business structures...provide basic advice on finance and securities...and appreciate the type of advice needed to assess the revenue implications of standard commercial transactions'. This unit provides students with experience in specific commercial transactions of the types described above.

Prerequisite(s): LLB **Credit points:** 12 **Contact hours:**

6 hours per week plus online **Campus:** Gardens Point and External

LPP115 Property

The Law Admissions Consultative Committee considers that 'an entry level lawyer should be able to convey, lease and mortgage real property...and provide general advice on land use.' This unit equips students to do that in selected contexts.

Prerequisite(s): LLB **Credit points:** 12 **Contact hours:** 6 hours per week plus online **Campus:** Gardens Point and External

LPP116 Electives

The Law Admissions Consultative Committee considers that entry level lawyers should have experience in two areas of practice, administrative law practice, criminal law or family practice AND one of either wills and estates, planning and environment, employment and industrial relations, or consumer law practice. This unit provides students with experience in their choice of one area from each list.

Prerequisite(s): LLB **Credit points:** 12 **Contact hours:** 6 hrs per week plus online **Campus:** Gardens Point and External

LPP117 Interaction

This unit is designed for law graduates who are completing the Graduate Diploma in Legal Practice for the purpose of becoming admitted as a legal practitioner and who are not working in law offices while they are doing the course. The unit seeks to further develop students' communication, advocacy, interviewing and work management skills where they do not have the opportunity to develop those skills in a real life law office.

Prerequisite(s): LLB **Credit points:** 12 **Contact hours:** 6 hours per week, online plus 2 days **Campus:** Gardens Point and External

LPP118 Placement

The Law Admissions Consultative Committee considers that every entry level lawyer should have experience in a law office before being admitted. This unit provides four weeks experience in a law office to satisfy legal practitioner admission requirements.

Prerequisite(s): LLB **Credit points:** 12 **Contact hours:** 40 hrs per week **Campus:** External

LQB381 Biochemistry: Structure and Function

This unit extends basic organic chemistry theory to the level of the biological macromolecules. A clear understanding of the structure and function of these molecules is essential to a student's understanding of the metabolism of living cells. Hence this biomolecular unit is a fundamental prerequisite for all advanced units in the various disciplines in the field of life sciences.

Prerequisite(s): SCB121, SCB122 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LQB383 Molecular and Cellular Regulation

Molecular and Cellular Regulation is a second year unit and is a continuation and expansion of topics introduced in SCB112 Cellular Basis of Life and SCB122 Cell & Molecular Biology. Molecular and Cellular Regulation strengthens the

focus on the molecular and genetic aspects of cellular processes and the consequences to the organism of failure of these basic processes. Topics taught relate to gene structure and regulation in prokaryotes and eukaryotes and the role of gene expression in the development of complex organisms. Related concepts such as cell signalling, communication, proliferation and survival are further developed in this unit.

Prerequisite(s): SCB122 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LQB386 Microbial Structure and Function

Aspects of microbiology impinge upon many facets of daily life, for example, human health, genetic engineering, the food industry and the built and natural environment. The unit introduces you to and provides you with a solid foundation in the basic microbiology required for progression to advanced studies in Microbiology. This unit provides knowledge about safe handling and study of micro-organisms that is also very important in many other disciplines, because micro-organisms are used as models and tools in a wide range of study areas.

Prerequisite(s): SCB112, SCB121 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LQB388 Medical Physiology 1

This unit deals specifically with the physiological systems that are responsible for the maintenance of health in humans. In the course of the semester students will investigate half the systems that constitute the human body (with the remainder dealt with in the second semester unit Physiology 2 [LQB488]). The unit offers a useful frame of reference for students enrolled in courses such as animal biology, biochemistry, microbiology, molecular biology, nutrition and human movements. Together with Physiology 2 [LQB488] this unit is a prerequisite to the third level unit, Applied Physiology [LQB588] and will be of particular interest to students considering medicine as a postgraduate career option.

Prerequisite(s): SCB120 or LSB131 or LSB142 or LSB255 or LSB258 or NRB270 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LQB481 Biochemical Pathways and Metabolism

The study of biochemistry and cell biology, along with molecular biology, provides students with the knowledge required for the proper understanding of the structure and function of living organisms at the molecular level. As such, this unit extends the studies begun in the unit LQB381 Biochemistry into the metabolic processes occurring in living cells, and provides students with a basis for further studies in biochemistry as well as support for other units in the third year of the course.

Prerequisite(s): LQB381, LSB308 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LQB483 Molecular Biology Techniques

Molecular biology and recombinant DNA technologies have important roles in many areas within the life sciences, including medicine, agriculture, cell biology, environmental science and forensics. Through close alignment of theoretical concepts and practical skills, this lab-based unit expands on molecular themes introduced in earlier cell and

molecular biology units to develop expertise in modern recombinant DNA techniques and an understanding of strategies used to identify and manipulate genes. The close relationship between theory and practice in this unit is designed to develop competence, independence and critical thinking that will provide students with a solid foundation for advanced molecular biology studies presented in several third level units.

Prerequisite(s): LSB238 or SCB122 (Recommended: LQB383) **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LQB484 Introduction to Genomics and Bioinformatics

The completion of the Human Genome project, along with similar projects on other organisms of a prokaryote and eukaryote nature, marked the beginning of a major revolution in fundamental biology that changed our understanding of the natural world. To understand how information on genome structure-function relationships (ie bioinformatics) is being used in areas such as gene discovery, disease diagnosis and drug development, students need to understand how the information content of DNA and proteins is extracted and analysed. This unit introduces students to the approaches to database mining and genome exploration.

Prerequisite(s): LQB383 or LSB338 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** LSB469, LSB537, LSB619

LQB486 Clinical Microbiology 1

Micro-organisms are very important as pathogens of humans and animals, and their accurate clinical diagnosis is essential for appropriate treatment and management of infections. This unit builds upon the foundational topics in microbiology that you learned in LQB386 (Microbial Structure and Function) and starts preparing you for a career in a microbiology laboratory in clinical practice, industry or research. The unit will advance your knowledge and skills in classical methods of isolation and identification of bacteria in clinical specimens and introduce aspects of microbial pathogenesis and antibiotic sensitivity. The unit will provide you with an understanding of clinically important viruses, and will commence your training in diagnostic parasitology.

Prerequisite(s): LQB386 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** LSB547

LQB488 Medical Physiology 2

This unit deals specifically with the physiological systems that are responsible for the maintenance of health in humans. In the course of the semester students will investigate half the systems that constitute the human body (with the remainder having been dealt with in the first semester unit Physiology 1 [LQB388]). The unit offers a useful frame of reference for students enrolled in courses such as animal biology, biochemistry, microbiology, molecular biology, nutrition and human movements. Together with Physiology 1 [LQB388] this unit is a prerequisite to the third level units, Applied Physiology [LQB588] and will be of particular interest to students considering medicine as a postgraduate career option.

Prerequisite(s): LSB131 or LSB142 or LSB255 or LSB258

or NRB270 or SCB120 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point
Incompatible with: LSB458

LQB489 Plant Physiology and Cell Biology

Plants are a vital resource providing food, medicines, fibre and fuel. The utilisation and manipulation of plants requires an understanding of growth and development on a molecular, cellular and whole plant basis. This is an intermediate-level unit covering the principles of plant cell biology and physiology to provide a platform for more advanced studies in plant biology and biotechnology. It integrates the fundamentals of plant physiology, biochemistry and molecular biology in such a way to enable students to understand how plants grow, develop and interact with their environment, and will also be valuable for lifelong appreciation of the potential of agriculture and its contribution to humanity.

Prerequisite(s): SCB120 or SCB122 or NRB270 or LSB238 **Credit points:** 12 **Contact hours:** 4 per week
Campus: Gardens Point **Incompatible with:** LSB397 and LSB497

LSB111 Understanding Disease Concepts

This unit introduces the structure and function of the body, reviews the body systems and links those to mechanisms of disease. Systems and topics covered are: integumentary, skeletal, muscular, nervous, endocrine, blood, heart and circulation, lymphatic, immune, respiratory, digestive (including nutrition and metabolism), urinary, reproductive, concepts of growth and development, genetics. Examples of diseases introduced are: heart disease and hypertension, cancers (lung, breast, skin, colon, prostate, testicular, cervical), diabetes, depression, Parkinson's disease, asthma and chronic obstructive lung diseases.
Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LSB112 Disease Processes and Pharmacology

A review of Anatomy and Physiology is presented together with a study of some pathological conditions. Pharmacology principles are explained with examples related to diseases studied. The lectures are supported by an on line site and practicals with mini tutorials during which the 3-dimensional structures and regional anatomy are explored. Pathological specimens illustrate the pathological conditions reviewed.
Contact hours: 4 per week **Campus:** Gardens Point

LSB131 Anatomy

This unit includes basic concepts of anatomy: an overview of the structure of cells, body tissues, and body systems; aspects of surface anatomy which are relevant to human movement; musculoskeletal systems.
Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Incompatible with:** LSB142, LSB182, LSB258

LSB142 Human Anatomy and Physiology

The aim of this unit is to provide grounding in the principles of human anatomy and physiology. Following an introduction to the structure of the cell and the organisation

of tissues, each of the major systems that constitute the human body are examined by the integrated study of their anatomy and physiology.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** LSB182, LSB258

LSB145 Anatomy 1

The aim of this unit is to understand and apply anatomical terminology to the description of cell structure, primary tissues, the muscular system, and the integumentary system, with a primary focus on detailed osteology and arthrology of the human body. The relationship between structure and function is investigated within these systems.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point

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 a 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; musculoskeletal adaptations; posture control and balance.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove and Caboolture

LSB231 Physiology

This unit covers the general physiological principles such as homeostasis and how all systems in the body contribute to it. Topics include cells, transport processes, cardiovascular system, cardiac electrical activity, cardiac output, regulation of blood pressure, respiratory system, endocrine system, pulmonary ventilation and its function.
Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** LSB250, LSB451

LSB235 Advanced Anatomy

An in-depth study of the systematic and regional anatomy of the lower limb is undertaken with particular emphasis on osteology, arthrology, musculature, angiology and neurology.
Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB245 Anatomy 2 and Introductory Pathology

As an extension of LSB145, this human anatomy unit introduces the anatomical terminology used in the description of the cardiovascular system, lymphatic system, respiratory system, digestive system, urinary system, endocrine system, reproductive system and the anatomy of the eye and ear. The relationship between structure and function is investigated within these systems. Furthermore an examination of the application of scientific methods to the study of the general principles of disease processes and the major diseases of organ systems is included as a secondary component to this unit.

Prerequisite(s): LSB145 **Corequisite(s):** PCB276 (MIT), PCB287 (RT) **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB250 Human Physiology

This unit is designed to introduce optometry and medical science students to the principles of human physiology and to provide students with the necessary background for future studies in physiology, pharmacology, pathology and immunology. This unit addresses the physiology all of the major systems of the human body, including: cell transport, cell signaling, endocrine physiology, neurophysiology, muscle physiology, physiology of the cardiovascular, immune, respiratory, reproductive, digestive and lymphatic systems and physiology of the special senses and reflexes. This unit has a practical component, with one 2 hour laboratory session per week and 3 hours of lectures.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Incompatible with:** LSB231, LSB451

LSB255 Human Anatomy

The medically oriented biological scientist requires a detailed understanding and knowledge of human anatomy. This unit exposes the student to the theoretical and practical facets of both microscopic and macroscopic anatomy of the human body with the emphasis on the microscopic anatomy.

Prerequisite(s): SCB112 or LSB118 (or equivalent)
Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** LSB152

LSB258 Principles of Human Physiology

The aim of this unit is to provide a grounding in the principles of human physiology. Following an introduction to the organisation of tissues, each of the major systems that constitute the human body are introduced by the integrated study of their structure and function.

Prerequisite(s): LSB118 **Corequisite(s):** LSB238
Contact hours: 4 per week **Campus:** Gardens Point
Incompatible with: LSB142, LSB182

LSB275 Biomolecular Science

This unit addresses the structures and functions of proteins, carbohydrates, lipids and nucleic acids, basic enzymology, mechanisms of cellular energy production and the role of ATP. Study includes the metabolism of carbohydrates, lipids and amino acids and the fundamentals of protein biosynthesis and molecular biology.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Incompatible with:** LSB308, LSB325, LSB408

LSB282 Bioscience 2

This unit includes the introduction to diseases, infections and treatments and the body defence systems and control of infection and considers in depth the respiratory and cardiovascular systems and diseases which affect these systems.

Prerequisite(s): LSB182 **Credit points:** 12 **Campus:** Kelvin Grove and Caboolture

LSB309 Introduction to Intellectual Property Law

Intellectual property protection is undoubtedly of paramount importance in the research, development and commercialisation of emerging technologies. Managers and

researchers need to be aware of the different types of property that can be protected and how the property needs to be protected. There have also been significant developments in the field of intellectual property law in recent years. The concepts taught in Introduction to Intellectual Property Law are of significant relevance to persons intending to practice in the emerging fields of science.

Contact hours: 4 per week **Campus:** Gardens Point

LSB321 Systematic Pathology

This unit includes the applications of general pathology to the study of diseases of the organ systems: cardiovascular, respiratory, alimentary, urogenital, nervous, musculoskeletal, endocrine, haematologic and skin.

Prerequisite(s): LSB145 or LSB245 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: LSB361, LSB367, LSB475

LSB325 Biochemistry

The study of biochemistry and cell biology, along with anatomy and physiology, provides students with the knowledge required for the proper understanding of the structure and function of the human body and its organ systems in health and disease, as a preparation for their clinical studies.

Prerequisite(s): SCB113 or SCB121 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point
Incompatible with: LQB381, LSB275

LSB345 Regional & Imaging Anatomy 1

This unit focuses on the regional anatomy of the head, neck, upper limb, lower limb and the anatomy of the structures of the above regions which are visualised by medical imaging modalities.

Prerequisite(s): LSB145, LSB245 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

LSB365 Pathology

Pathology introduces students to the study of the disease processes underlying the major diseases of human organ systems. General disease processes of the major specific diseases of the organ systems are introduced, and then become the focus in systematic pathology. An understanding of general and systematic pathology is fundamental to the application of basic biomedical knowledge to clinically relevant states and the major diseases. This unit provides students with the foundation knowledge needed for subsequent clinical semesters. On completion of this unit, students should know, understand and be able to apply facts, concepts and terms related to disease processes and the major diseases occurring in the organ systems.

Prerequisite(s): LSB250, LSB255 **Credit points:** 12
Contact hours: 5 per week **Campus:** Gardens Point

LSB367 Pathology

This unit is an external unit designed to run online to meet the requirements of the students in the course who are located throughout Queensland. Pathology has a central role in most health related courses. A sound understanding of pathology is essential for the informed assessment and management of emergency patients. The unit has two main

sections. The first section deals with general pathology principles (eg homeostasis, adaptation and defence, principles of diagnosis, environment and pathology, neoplasia, circulatory disorders). The second section involves application of the general principles of pathology to major diseases and dysfunctions of each of the organ systems of the body.

Prerequisite(s): Anatomy & Physiology units **Credit points:** 12 **Campus:** Kelvin Grove **Incompatible with:** LSB321, LSB361, LSB475

LSB382 Bioscience 3

This Bioscience unit is based on previous studies in anatomy, physiology and microbiology. It includes: the physiology, pathophysiology and pharmacology of diseases (including infectious diseases) of the nervous, reproductive, gastrointestinal and renal system. Also covered are diabetes; diseases of joints; obesity and its effects on the body; physiological demands of exercise.

Prerequisite(s): LSB182 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point and Caboolture

LSB384 Pharmacology For Health Professionals

Health professionals such as Nurses, Paramedics, Podiatrists and Optometrists require a detailed understanding of the pharmacological properties of the medicines that are used daily in the treatment of patients under their care. This unit introduces students to the discipline of pharmacology by examining the interaction of drugs with biological systems. An understanding of pharmacology is fundamental to a student's understanding of pharmaceutical products in terms of efficacy and safety and provides a rationale for their therapeutic use.

Prerequisite(s): LSB182 and LSB282 (NS40 and PU46), or SCB113 and LSB235 (PU43), or SCB113 and LSB250 (OP42) **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove and Caboolture

LSB409 Readings in Biotechnology

Knowledge of the practical aspects of developing a project for research and development is a fundamental aspect of real-world commercial biotechnology. In this unit, students adopt a team approach to developing and designing a research project to be undertaken in LSB709 Biotechnology Research Project. Students explore the roles of teams in assigning, performing and reporting on tasks related to the preliminary literature search and project inception, design, management and feasibility. Academic and industry mentors guide student teams through the preliminary stages of project conceptualisation and monitor progress of team activities.

Prerequisite(s): LSB338 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LSB425 Quantitative Medical Science

This unit integrates physics, chemistry, biochemistry, maths and statistics for applications to chemical analysis, as preparation to clinical biochemistry.

Prerequisite(s): LSB325, LSB338, MAB141 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB435 Diagnostic Microbiology 1

This unit builds on foundation topics in Microbiology 1 and starts preparing the student for a career in a routine diagnostic microbiology laboratory. The overall theme is the diagnosis of human infectious diseases with bacteriology and parasitology the two key focus areas. This unit emphasises a strong commitment to professional practice by developing high level generic and specific skills. Specific lecture and lab class discussion points include (where relevant): life cycles; pathogen acquisition; infectious disease diagnosis pathways; classification systems; clinical presentations; diagnostic protocols and patient management. Students are encouraged to think critically and to discuss issues in an interactive and supportive learning environment.

Prerequisite(s): LSB300 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB438 Immunology 1

The mechanisms of the immune process including the nature of antigens, antibodies, antigen-antibody reactions, antibody formation, control of the humoral and cell-mediated immune responses, and immunisation of humans against infections are addressed in this unit.

Prerequisite(s): LSB250, LSB328 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB445 Regional and Imaging Anatomy 2

This unit focuses on the regional anatomy of the back, thorax, abdomen and pelvic regions and the anatomy of the structures of the above regions which are visualised by medical imaging modalities.

Prerequisite(s): LSB145, LSB245 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LSB451 Human Physiology

This unit involves a course of lectures and practicals, similar to LSB250.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB465 Histopathology 1

Histopathology and cytology are essential components of pathological diagnosis and major clinical disciplines in Medical Laboratory Science. The unit aims to impart a working knowledge of basic techniques used in clinical histopathology and research histology laboratories and the techniques involved in the current practice of diagnostic cytology.

Prerequisite(s): LSB255, LSB365, SCB131 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB467 Pathophysiology

This unit is an external unit designed to run online to meet the requirements of students located throughout Queensland. Students are guided into the study of pathophysiology of the major body systems, leading to an understanding of the rationale for diagnostic investigations and treatments of these disorders. The unit is based on case histories and utilises a 'problem based model' approach. Topics covered include the physiological basis of

pathogenesis, clinical features and treatment of major disorders of body systems, focusing on the cardiovascular, respiratory, blood, renal, nervous, gastro-intestinal, and endocrine systems. A variety of assessments are used during the semester to reinforce the understanding of the topics.

Prerequisite(s): Anatomy, Pathology and Physiology units

Credit points: 12 **Campus:** Gardens Point

Incompatible with: LSB658

LSB475 Disease Processes 4

This unit includes the principles of the study of disease 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. The unit 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.

Prerequisite(s): Introductory Anatomy & Physiology Units

Credit points: 12 **Contact hours:** 4 per week **Campus:**

Gardens Point and Kelvin Grove **Incompatible with:** LSB321, LSB361, LSB367

LSB480 Professional Practice

Introduces students to the pathology laboratory workplace. The student undertakes a six 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.

Prerequisite(s): LSB365 **Corequisite(s):** LSB425,

LSB435, LSB438, LSB465 **Credit points:** 12 **Campus:** Gardens Point

LSB492 Microbiology

This is an introductory core unit of microbiology for students of optometry and podiatry with an introduction to micro-organisms, control of microbial populations and clinical conditions relevant to optometry and podiatry.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LSB503 Medical Cell Biology

Medical Cell Biology is a continuation and expansion of the topics introduced in LSB338 Cell and Molecular Biology 2. Medical Cell Biology integrates the fundamental molecular events and interactions presented in earlier units, developing and extending the context of cells in their environment and how they interact and integrate within the organism to provide all of the biological functions required by the organism to survive. Students develop an appreciation of the relationship between structure and function at the cellular level and gain an understanding of the defects that underlie common disease states including osteoporosis, diabetes, arthritis and cardiovascular disease.

Prerequisite(s): LSB338 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Gardens Point

LSB508 Advanced Metabolism

Detailed information is provided in this unit on the catabolic and anabolic pathways for the major molecules in mammalian systems. Important aspects of non-mammalian metabolism are described. Advanced concepts in bioenergetics and thermodynamics are described in the context of cellular metabolism. Integration of metabolism including production of mixed conjugates of biological significance such as amino-sugars and lipopolysaccharides, and hormonal regulation of metabolism are included.

Prerequisite(s): LSB408 **Credit points:** 12 **Contact**

hours: 5 per week **Campus:** Gardens Point

LSB509 Medical Biotechnology 1

Students undertaking Medical Biotechnology should have a thorough understanding of diagnostics and therapeutics in the commercial environment of biotechnology. LSB509 aims to increase students' understanding of molecular and cellular-based diagnostics and their use in genetic or biochemical mapping and identification of target genes, disease risks and traits, infectious diseases, identity testing and other forms of investigative analyses.

Prerequisite(s): LSB468 **Credit points:** 12 **Contact**

hours: 4 per week average **Campus:** Gardens Point

LSB525 Clinical Biochemistry 1

This course of study (along with LSB625 Clinical Biochemistry 2) provides the graduating scientists with sufficient biochemical knowledge and laboratory experience to work effectively in both the smaller general-purpose laboratory performing a limited number of biochemical tests and the larger specialised laboratory performing in-depth studies of all aspects of clinical biochemistry.

Prerequisite(s): LSB425 **Credit points:** 12 **Contact**

hours: 5 per week **Campus:** Gardens Point

LSB527 Biomedical Research Technologies

This unit complements the study of nucleic acid based research and diagnostic technologies studied in LSB598, by providing an understanding of the methodology and application of those protein based technologies that are important in biomedical research and diagnostic investigations.

Prerequisite(s): LSB308 **Credit points:** 12 **Contact**

hours: 5 per week **Campus:** Gardens Point

LSB528 Environmental Microbiology

This unit is designed to provide students with an understanding of how the microbial world interacts with the environment. Topics covered include: microbial ecosystems; symbiotic relationships (plants and microbes, animals and microbes); an introduction to biogeochemical cycles including microbial transformations (carbon cycles, methanogenesis, nitrogen cycle, sulphur cycles); plant and soil microbiology; water microbiology; bioaerosols; bioremediation of polluted environments.

Prerequisite(s): LSB328 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Gardens Point

LSB535 Microbial Immunology

This unit builds on the concepts developed in Immunology 1 to introduce students to the life cycles of a variety of pathogens, particularly viruses, and the mechanisms employed by a host to avoid infection.

Prerequisite(s): LSB438 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB547 Bacterial Pathogenesis and Disease Diagnosis

This advanced level unit provides a comprehensive examination of those bacterial pathogens that are associated with human disease from both a cellular and a molecular perspective, an essential starting point for a better understanding of infectious disease pathogenesis. The key role of the clinical bacteriologist and clinical laboratory protocols is also presented and critically discussed with respect to bacterial pathogen laboratory diagnosis (ie specimen management, pathogen isolation and identification) and antimicrobial therapies. Students are encouraged to think critically and to discuss issues in an interactive and supportive teaching and learning environment.

Prerequisite(s): LSB328 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Gardens Point

LSB555 Haematology 1

This unit introduces the discipline of haematology and the routine procedures performed in the haematology section of a pathology department, and introduces the concepts of anaemia and its investigation. This unit provides a detailed understanding of the common erythrocyte disorders. Diagnostic procedures, aetiology, pathophysiology, clinical manifestations and treatment of each disorder are included.

Prerequisite(s): LSB325, LSB365, LSB465 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB558 Applied Physiology

This unit is divided into 2 areas: a lecture course on recent advances in physiological knowledge and a practical component that introduces experimental design. Using an emphasis on current research developments, selected physiological areas including the cardiovascular and neurological systems are considered in depth to extend prior knowledge of physiology. The practical course introduces aspects essential for the correct design of scientific experiments.

Prerequisite(s): LSB358 or LSB458 or HMB273 or LSB250 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Gardens Point

LSB565 Histopathology 2

Histopathology is an essential component of pathology and one of the major clinical disciplines in Medical Laboratory Science. Students are introduced to advanced techniques and methods of handling histopathological specimens. Students acquire sufficient scientific and technical expertise to enable them to carry out and to understand a range of techniques used routinely in clinical histopathology and histology research laboratories.

Prerequisite(s): LSB255, LSB365, LSB465 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB568 Electron Microscopy

This unit provides the following: a theoretical and practical background to the operation and use of scanning and transmission electron microscopes in biological science;

basic principles of specimen preparation with emphasis on methods complementary to biology, microbiology and molecular biology; analytical capabilities of electron beam instruments; other advanced imaging instrumentation.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LSB577 Plant Biotechnology 1

The potential of plant biotechnology can be recognised as a result of the significant advances being made in technologies enabling the genetic manipulation of plants. Familiarity with the strategies, techniques and breadth of applications is essential for anyone planning a career in plant biotechnology. In this unit, students are presented with an integrated picture of the current technology and applications used for the genetic manipulation of plants (including advanced cell and tissue culture and transformation technologies).

Prerequisite(s): LSB468 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LSB578 Virology

Lectures and practical classes are designed to introduce students to the basic concepts of virology. A range of viruses and virus diseases are examined and topics include viral morphology and composition, taxonomy and classification, replication, purification, diagnosis and assay, transmission and control.

Prerequisite(s): LSB328, LSB468 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB605 Protein Engineering and Bioprocessing

This unit advances learning and understanding of protein engineering and bioprocessing with a focus on developing competencies and applied skills necessary for graduate research and graduate employment in protein-related technologies.

Prerequisite(s): LSB468 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LSB607 Protein Purification

This unit will help you to develop critical skills in gathering information, data analysis, problem solving, experimental design and effective teamwork in the context of a major project-based task.

Prerequisite(s): LQB381 or LSB308 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB608 Protein Science

The unit advances learning and understanding of protein structure and function with a focus on developing competencies and applied skills necessary for graduate research and graduate employment in protein-related technologies.

Prerequisite(s): LQB381 or LSB308 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB609 Medical Biotechnology 2

In this unit students gain a thorough understanding of diagnostics and therapeutics in the commercial environment of medical biotechnology. LSB609 aims to increase the student's understanding of cell-based strategies, approaches and applications used as therapeutic

interventions in medicine. The unit focuses on current, state-of-the-art and emerging technologies and applications within biotechnology as directed to novel therapeutic discovery, design, development and delivery of clinical therapeutics including tissue transplantation and regeneration, cellular therapies, genetic therapies, immunotherapies, clinical, ethical and regulatory affairs.

Prerequisite(s): LSB449 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB625 Clinical Biochemistry 2

This course of study (along with LSB525) provides the graduating scientists with sufficient biochemical knowledge and laboratory experience to work effectively in both the smaller general-purpose laboratory performing a limited number of biochemical tests and the larger specialised laboratory performing in-depth studies of all aspects of clinical biochemistry.

Prerequisite(s): LSB525 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB628 Food Microbiology

This unit covers the most significant areas of food microbiology at an advanced level. Topics include: microbial ecology of foods; microbial spoilage and food preservation; foodborne microorganisms of public health significance; food fermentations; laboratory and food processing operations and certification; predictive microbiology; agriterrorism; and isolation, quantification and identification of microbes from foods. A professional work attitude in a microbiology laboratory, practical, applied laboratory skills and an awareness of the hazards of working with pathogenic cultures are established.

Prerequisite(s): LSB328 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LSB635 Diagnostic Microbiology 2

This advanced level unit completes the preparation of the student for a career in a routine diagnostic microbiology laboratory by building upon foundation topics covered in LSB435. The overall theme is human infectious disease diagnosis with bacteriology, mycology and parasitology the three key focus areas. This unit continues a strong commitment to professional practice by developing high level generic and specific skills. Specific discussion points include (where relevant): life cycles, pathogen acquisition, infectious disease diagnosis pathways, classification systems, clinical presentations, diagnostic protocols and patient management. Students are encouraged to think critically and to discuss issues in an interactive and supportive learning environment.

Prerequisite(s): LSB435, LSB535 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB647 Clinical Mycology and Parasitology

This is a third year unit in microbiology considering aspects of fungal taxonomy, classification of clinical mycoses, collection of material for fungal isolation and identification of superficial, subcutaneous, systemic and opportunistic mycoses. Parasitology includes a systematic study of identification, life history, incidence, modes of infection, epidemiology and control of parasite infections in humans.

Prerequisite(s): LSB328 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Gardens Point

LSB648 Molecular Microbiology

This advanced level unit engages closely with the most recent advances in microbial genomics, bioinformatics, molecular biology, evolutionary history, genetic analysis and pathogenic processes. It is designed for students who are interested in research in these areas or who wish to be involved in the introduction of new technologies into the practice of analytical microbiology.

Prerequisite(s): LSB328, LSB468 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LSB655 Haematology 2

This unit is designed to provide you with an up to date understanding of the common white blood cell and haemostatic disorders routinely encountered in a haematology laboratory, as well as their diagnosis, treatment, significance and prognosis for the patient being investigated.

Prerequisite(s): LSB555 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB657 Perspectives in Life Science

Positive and negative aspects of humanity's use of resources are critically analysed in this unit. Topics include: humanity's food supply; humanity's profligate consumption of energy; global climate change; losses of soils and ecosystems and species; and contemporary aspects of biotechnology such as the GM food debate; ethical aspects of medical and corporate biotechnology.

Prerequisite(s): LSB118 **Contact hours:** 4 per week **Campus:** Gardens Point

LSB658 Clinical Physiology

In this unit students explore the physiological basis, pathogenesis, clinical features and treatment rationale of the major disorders of the cardiovascular, respiratory, haematological, renal, gastrointestinal, nervous and endocrine systems. One of the objectives of the unit is to develop critical thinking and apply this to the discussion of pathophysiological cases.

Prerequisite(s): Anatomy AND Physiology Units
Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Incompatible with:** LSB467

LSB665 Immunohaematology

This unit is designed to provide students with an understanding of the antigens, immune mechanisms and clinical factors involved in blood transfusion and tissue transplantation.

Prerequisite(s): LSB438, LSB535, LSB555 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB677 Plant Biotechnology 2

This unit expands on topics introduced in earlier units and addresses the more advanced and specialised areas of plant molecular biology and biotechnology. The unit is designed to give students an insight into the scope and future potential of plant biotechnology and include topics such as advanced applications of transgenic plants;

functional genomics and gene discovery; specific genes and gene families; molecular markers and mapping; gene silencing.

Prerequisite(s): LSB537 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LSB684 Forensic DNA Profiling

The unit covers the evolution of DNA typing from restriction fragment length polymorphism (RFLP) DNA "fingerprinting" to short tandem repeat (STR) analysis using multiplex PCR-based systems for human identification, the principles of single nucleotide polymorphism (SNP) technology, mitochondrial DNA analysis and future trends for forensic DNA analysis.

Prerequisite(s): LSB468, SCB384 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

LSB709-1 Biotechnology Research Project

Knowledge of the practical aspects of developing a project for research and development is a fundamental aspect of real-world biotechnology. This unit involves a small team research project based on the R and D proposal developed in LSB409 Readings in Biotechnology. The unit guides student teams through the research process from the experimentation to the writing of an assessment of the project under the guidance of academic and industry mentors.

Credit points: 12 **Campus:** Gardens Point

LSB709-2 Biotechnology Research Project

Knowledge of the practical aspects of developing a project for research and development is a fundamental aspect of real-world biotechnology. This unit involves a small team research project based on the R and D proposal developed in LSB409 Readings in Biotechnology. The unit guides student teams through the research process from the experimentation to the writing of an assessment of the project under the guidance of academic and industry mentors.

Credit points: 12 **Campus:** Gardens Point

LSB709-3 Biotechnology Research Project

Knowledge of the practical aspects of developing a project for research and development is a fundamental aspect of real-world biotechnology. This unit involves a small team research project based on the R and D proposal developed in LSB409 Readings in Biotechnology. The unit guides student teams through the research process from the experimentation to the writing of an assessment of the project under the guidance of academic and industry mentors.

Credit points: 12 **Campus:** Gardens Point

LSB850-1 Research Strategies

This unit is conducted over two semesters (full-time) and is the formal class component of the SC60 B. App. Sci (Hons) degree, comprising weekly lectures, a student seminar, and internal and external research seminar attendance.

Credit points: 6 **Campus:** Gardens Point

LSB850-2 Research Strategies

Preparation for a career in research must include additional training and experience in cross-disciplinary and extra-

disciplinary skills and strategies that build upon and enhance the student's undergraduate foundation. Key aims of this unit are to foster the intellectual skills necessary to appreciate the scientific, commercial, social and ethical implications of research, to assist in evaluating useful and pragmatic options in a research career, and to help the student communicate research ideas and outcomes effectively and articulately. Seminars and workshops conducted by staff internal and external to the School of Life Sciences specifically address these aims.

Credit points: 6 **Campus:** Gardens Point

LSB851-1 Readings in Life Science 1

This unit involves the preparation of a literature review of direct and associated relevance to the Honours research project under the guidance of the supervisor(s). This is presented as a grant proposal demonstrating a considerable knowledge, understanding and appreciation of the literature as well as a critical appraisal of future research requirements.

Corequisite(s): LSB850-1, LSB850-2 **Credit points:** 12 **Campus:** Gardens Point

LSB851-2 Readings in Life Science 1

This unit aims to develop skills in critical analysis of scientific literature. The unit includes the presentation of a paper critique, demonstrating a considerable knowledge, understanding and appreciation of the literature.

Corequisite(s): LSB850-1, LSB850-2 **Credit points:** 12 **Campus:** Gardens Point

LSB852-1 Project

This unit runs over two semesters (full-time) and is the core component of the SC60 BAppSc (Hons) degree, comprising the laboratory research project of the course and its reporting in written and oral formats.

Corequisite(s): LSB850-1, LSB850-2 **Credit points:** 30 **Campus:** Gardens Point

LSB852-2 Project

This unit runs over two semesters (full-time) and is the core component of the SC60 BAppSc (Hons) degree, comprising the laboratory research project of the course and its reporting in written and oral formats.

Corequisite(s): LSB850-1, LSB850-2 **Credit points:** 30 **Campus:** Gardens Point

LSN011 Research Seminars in Life Science 1

This unit includes a formal seminar to include an oral presentation (25 minutes) and question period (5-10 minutes). The presentation provides a comprehensive and informative critique of a specific topic and outlines the planned research program, where applicable. Prescriptive guidelines and submission deadlines must be followed in this regard. The chosen topic will be in an area selected by the student in consultation with their supervisor(s) and the postgraduate coursework coordinator. This unit complements LSN013 Readings in Life Science 3.

Credit points: 12 **Campus:** Gardens Point

LSN013 Readings in Life Science 3

This unit includes a comprehensive and critical review of the background and current literature directly related to a

potential research topic. The review should identify major and minor deficiencies in the research literature and identify possible directions for future research. The review should be between 5,000 - 10,000 words and at least one draft should be presented to the supervisor prior to final submission.

Corequisite(s): LSN023 **Credit points:** 24 **Campus:** Gardens Point

LSN023 Research Seminars in Life Science 3

This unit includes a formal seminar to include an oral presentation (45-50minutes) and question period (5-10minutes) presenting a critical and in-depth analysis of the results of the postgraduate research program as well as possible future research directions in the area. Prescriptive guidelines and submission deadlines must be followed in this regard.

Credit points: 12 **Campus:** Gardens Point

LSN101 Molecular Biosciences

This unit explores the relationships between cellular components and provides a high level of understanding of cell and molecular biology suitable for students wishing to undertake further postgraduate studies. You will study: both informational and structural macromolecules found within the cell and relate their structure to function; cell metabolism; cell division, including DNA replication, transcriptional regulation in prokaryotes and gene regulation in eukaryotes; inheritance; and introductory bioinformatics.

Corequisite(s): LSN102, LSB468 **Credit points:** 12
Contact hours: 5 hours **Campus:** Gardens Point
Incompatible with: Not for undergraduate enrolment

LSN102 Cellular Biosciences

The unit examines the responses available to cells and tissues in normal growth and development and following exposure to injury or stress mechanisms. The role and control of these responses in a range of disease processes is considered. The unit is designed to present, at the level of cell and tissue systems, the effects of physical, chemical, biochemical and metabolic processes. Successful completion of this unit provides a fundamental understanding of cellular structure and function, and prepares students for further postgraduate studies in cell and molecular biology. Additionally, students gain an appreciation of contemporary methods for studying the structure and function of cells and tissues.

Corequisite(s): LSB468, LSN101 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point
Incompatible with: Not for undergraduate enrolment

LSN103 Postgraduate Learning and Research Skills

This unit assists you in developing a range of generic and specific skills and attributes to be a successful postgraduate student. On completion of the unit, you will: (i) know how to manage information tools and resources effectively in order to advance your university study and become an independent and competent learner (ii) build and increase your knowledge and competence in using basic software applications and general knowledge of information communication technologies and (iii) develop key skills in project design and management. This unit consists of a series of workshops, seminars and on-line tutorials

presented by a team of teaching and learning support staff from across the university.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** Not for undergraduate enrolment

LSN160 Epidemiology for Life Scientists

This unit aims to enable students to acquire knowledge and develop critical thinking in epidemiological research. Topics covered include: general principles of epidemiology; rates and ratios; standardisation; types of studies; ethical issues in study design and conduct; statistics as related to epidemiology; criteria for causal relationship; principles of screening tests; epidemiology of infectious diseases. Information is presented in informal interlinked lectures and tutorials. Epidemiological exercises are discussed. Students develop skills in using statistical capabilities in Excel.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

LSN425 Quantitative Medical Science

This unit integrates physics, chemistry, biochemistry, maths and statistics for applications to chemical analysis, as preparation to clinical biochemistry. (LS87 Students only.)

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Incompatible with:** LSB425

LSN438 Immunology 1

The mechanisms of the immune process including the nature of antigens, antibodies, antigen-antibody reactions, antibody formation, control of the humoral and cell-mediated immune responses, and immunisation of humans against infections are addressed in this unit. (LS87 Students only.)

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Incompatible with:** LSB438

LSN465 Histopathology 1

Histopathology and cytology are essential components of pathological diagnosis and major clinical disciplines in Medical Laboratory Science. The unit aims to impart a working knowledge of basic techniques used in clinical histopathology and research histology laboratories and the techniques involved in the current practice of diagnostic cytology. (LS87 Students only.)

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Incompatible with:** LSB465

LSN468 Molecular Biology

Molecular biology and recombinant DNA technologies have important roles in many areas within the life sciences, including medicine, agriculture, cell biology, environmental science and forensics. Through close alignment of theoretical concepts and practical skills, this lab-based unit expands on molecular themes introduced in earlier cell and molecular biology units to develop expertise in modern recombinant DNA techniques and an understanding of strategies used to identify and manipulate genes. The close relationship between theory and practice in this unit is designed to develop competence, independence and critical thinking that will provide students with a solid foundation for advanced molecular biology studies presented in several third level units. (LS87 Students only.)

Credit points: 12 **Contact hours:** 4 per week **Campus:**

Gardens Point **Incompatible with:** LSB468

LSN509 Medical Biotechnology 1

Students undertaking Medical Biotechnology should have a thorough understanding of diagnostics and therapeutics in the commercial environment of biotechnology. LSN509 aims to increase students' understanding of molecular and cellular-based diagnostics and their use in genetic or biochemical mapping and identification of target genes, disease risks and traits, infectious diseases, identity testing and other forms of investigative analyses. (LS87 Students only.)

Prerequisite(s): LSN468 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point
Incompatible with: LSB509

LSN525 Clinical Biochemistry 1

This unit provides graduating scientists with sufficient biochemical knowledge and laboratory experience to work effectively in both the smaller general-purpose laboratory performing a limited number of biochemical tests and the larger specialised laboratory performing in-depth studies of all aspects of clinical biochemistry. This unit 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: The metabolism of lipids, carbohydrates and proteins and Renal, pancreatic, liver and gastric function tests. (LS87 Students only.)

Prerequisite(s): LSN425 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point
Incompatible with: LSB525

LSN555 Haematology 1

This unit introduces you to the discipline of haematology and the routine procedures performed in the haematology section of a pathology department, and introduces the concept of anaemia and its investigation. This unit builds on and assumes basic biochemical and histological knowledge from earlier units and provides a detailed understanding of the common erythrocyte disorders. Diagnostic procedures, aetiology, pathophysiology, clinical manifestations and treatment of each disorder are included and laboratory health and safety issues as well as quality assurance are emphasised. (LS87 Students only.)

Prerequisite(s): LSN438 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point
Incompatible with: LSB555

LSN565 Histopathology 2

Histopathology is an essential component of pathology and one of the major clinical disciplines in Medical Laboratory Science. The content in this unit includes: Laboratory safety; Quality assurance and control; Lymph node biopsies and nucleic acid methods; Biopsy techniques for liver, kidney and other tissues; Endogenous pigments; Exogenous pigments and minerals; Methods of tumour diagnosis and differentiation; Skin biopsies; Mucosubstance identification and lectins; Microorganisms; Postmortem tissues; Advanced electron microscopy (SEM and TEM); Enzyme histochemistry - LM, EM and use in muscle biopsies; Amyloid, fibrin and keratin; Advanced immunohistochemistry; In situ hybridisation and PCR of

histopathological samples; Autoradiography. (LS87 Students only.)

Prerequisite(s): LSN465 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point
Incompatible with: LSB565

LSN609 Medical Biotechnology 2

This unit will introduce you to the biotechnology concepts and strategies underlying current and emerging therapeutic interventions in the treatment of human disease.

Prerequisite(s): LSB503 or LSB449 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point
Incompatible with: LSB625

LSN625 Clinical Biochemistry 2

This unit is a study of the clinical applications of biochemistry and analytical chemistry to the diagnosis of disease, to the monitoring of the treatment of diseases, to disease prognosis and to other applications within the discipline of chemical pathology. It is an extension of LSN525 Clinical Biochemistry 1 and requires a knowledge of physics, chemistry, biochemistry, maths and statistics as applied to chemical analysis, as provided to you by successful completion of the unit LSN425 Quantitative Medical Science.

Prerequisite(s): LSN525 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point
Incompatible with: LSB625

LSN635 Diagnostic Microbiology 2

There is a need world-wide to streamline and maximise diagnostic capabilities for early detection and treatment of medically-important parasitic, fungal and bacterial diseases of humans. This unit emphasises a strong commitment to professional practice by building upon and extending foundation topics in LSN435 Diagnostic Microbiology 1 to prepare you for a challenging career in routine diagnostic microbiology.

Prerequisite(s): LQB386 **Credit points:** 12 **Contact hours:** 5-6 per week **Campus:** Gardens Point
Incompatible with: LSB635

LSN655 Haematology 2

This unit is designed to provide you with an up to date understanding of the common white blood cell and haemostatic disorders routinely encountered in a haematology laboratory, as well as their diagnosis, treatment, significance and prognosis for the patient being investigated.

Prerequisite(s): LSN555 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point
Incompatible with: LSB655

LSN665 Immunohaematology

This unit is designed to provide you with an understanding of the antigens, immune mechanisms and clinical factors involved in blood transfusion and tissue transplantation.

Prerequisite(s): LSN438, LSN555 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point
Incompatible with: LSB665

LSN710 Project

This unit includes a research project conducted in an area selected by the student in consultation with their supervisor(s) and the postgraduate coursework coordinator. The first part of the project involves compilation and writing of a critical Literature Review on the research topic focusing on clarification of knowledge gaps together with an outline of the planned research to follow. The second and major part of the project is the supervised research itself. A Research Project Report will be written in a style to evaluate and critically discuss the data. Prescriptive guidelines and submission deadlines must be followed for both the Literature Review document and the Research Project Report.

Credit points: 48 **Campus:** Gardens Point

LSN711 Project 1

In this unit a critical Literature Review is written on a topic selected by the student in consultation with their supervisor(s) and the postgraduate coursework coordinator. This review focuses on clarification of knowledge gaps and, where applicable, provide an outline of the planned research to follow in LSN712 Project 2. Prescriptive guidelines and submission deadlines must be followed for the compilation and writing of the Literature Review document.

Credit points: 24 **Campus:** Gardens Point

LSN712 Project 2

In this unit a research project is conducted in an area selected by the student in consultation with their supervisor(s) and the postgraduate coursework coordinator. This unit is normally a follow-on from LSN711 Project 1. A Research Project Report will be written in a style to evaluate and critically discuss the data. Prescriptive guidelines and submission deadlines must be followed for the compilation and writing of the Research Project Report.

Credit points: 24 **Campus:** Gardens Point

LSP127 Business Aspects of Biotechnology

Supporting a successful biotechnology industry in Australia requires an entrepreneurial framework to be developed which assists the efforts of both researchers and innovators. This unit integrates those essential entrepreneurial techniques of launching a biotechnology business. The unit focus is on the research and development of industrial products and commercialising innovations developed in this industry. On completion of this unit the student will be able to identify and analyse entrepreneurial opportunities and evaluate these opportunities within biotechnology together with the ability to identify and comprehend the steps involved in setting up a new biotechnology enterprise.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LWB136 Contracts A

This unit includes the following: formation of contracts; equitable estoppel; privity of contract; formalities; express and implied terms; an examination of promises which are legally binding; how contractual promises may be characterised and the significance of that characterisation.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** Nil

LWB137 Contracts B

Legally binding promises pervade society, from uncomplicated bargains like riding on a bus to complex multi-million dollar transactions. The law of contract provides an understanding of promises which are legally binding, how contractual promises may be characterised and the significance of that characterisation, and how contractual promises may be discharged or invalidated. This is the second of two associated units which examine the law of contract, the focus of this unit being on the discharge of contracts, remedies for breach and the invalidation of contracts. The two units together provide the foundation for several units encountered later in the course.

Prerequisite(s): LWB136 CONTRACTS A

Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 hours per week **Campus:** Gardens Point and External **Incompatible with:** Nil

LWB139 Select Issues in Torts

The law of torts is of primary importance in understanding how the Australian legal system operates to compensate the physical and/or financial harm one person suffers as a result of another's wrongdoing. In the unit, Fundamentals of Torts, the principles and rules relating to the torts of negligence and trespass were examined in the context of whether these torts achieve outcomes which are consistent with contemporary legal and social values. In this unit a wider range of torts and related issues are examined so that students develop the knowledge, understanding and skills necessary to maintain in the future their abilities in this important area of legal practice.

Prerequisite(s): LWB138 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB103, LWB133

LWB142 Law, Society and Justice

This unit examines the basic tenets of our democratic liberal legal system, particularly the central concept, the rule of law. The unit begins with an historical development of rights and the rule of law. It looks at how law and values intertwine and how society at a particular time shapes notions of legal personality, the recognition of 'family' and human rights in law. It finally addresses the limitations of democratic liberalism and the rule of law by examining the reality of equality before the law in relation to such topics as gender and cultural neutrality, equal access to justice, and lawyers and the adversarial system.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB101, LWB131

LWB144 Laws and Global Perspectives

This unit is designed to give students an understanding of the global context in which Australia operates and the important impact of this context on Australian law and legal practice. The unit introduces and explains the fundamental structures and principles of Comparative Law, Public International Law and Private International Law; and examines their relevance to contemporary legal practice in Australia.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

and External **Incompatible with:** Nil

LWB145 Legal Foundations A

The unit aims to provide foundational knowledge about law and legal concepts, the Australian legal system and constitution, sources of law (including their purpose and use) and the ethical underpinnings of the law and legal profession. The unit also aims to introduce, within real world contexts, the essential legal skills of case analysis, problem solving, legal writing, legal reasoning, legal research and statutory interpretation to enable students to progress in their study of law.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB141, LWB143

LWB146 Legal Foundations B

The aim of this unit is for you to further develop, within real world contexts, the skills in legal research, analysis, problem solving and writing that were introduced in LWB145 Legal Foundations A. This aim is directed towards ensuring that by the end of the first year of your law degree you are able to perform tasks required to progress your study of law and that you can reflect on the continued development of your legal research and writing skills to equip you with the skills required in legal practice.

Prerequisite(s): LWB145 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB141, LWB143

LWB147 Torts A

The aims of this unit are for you to develop an understanding of the law of torts relating to trespass, negligence and workersâ compensation and the underlying principles and policies that influence the development of torts law. Further, this unit aims to demonstrate how the law of torts works in a real world context, with particular focus on legal problem solving and the teaching of legal interviewing skills. The unit will practise and develop the foundational legal skills introduced in LWB145 Legal Foundations A.

Prerequisite(s): Nil **Corequisite(s):** LWB145 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB138

LWB148 Torts B

This unit aims to build upon the knowledge, understanding and skills developed in Torts A through a more in-depth examination of a wider range of torts and related issues. It also aims to equip you with a more detailed and sophisticated knowledge and understanding of how this area of the law is likely to develop in the 21st Century. Integral to this is the development of your skills, necessary for the practice of law and your further studies of law, in legal problem solving, research and written communication and an understanding of ethical issues related to the practice of law.

Prerequisite(s): LWB147 **Corequisite(s):** LWB146 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB139

LWB238 Fundamentals of Criminal Law

An understanding of the principles of Criminal Law is of fundamental importance as it impinges upon almost every aspect of domestic, commercial, corporate and public activity in Queensland. The aim of this unit is to provide an overview of the aims and sources of Criminal Law in Queensland and to develop an understanding of the onus of proof in criminal matters. Additionally the unit explores the concept of fault elements, the criminal justice system and a selection of major offences while also developing advocacy skills.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB202, LWB232

LWB239 Criminal Responsibility

The aim of this unit is to build upon the principles and skills explored in LWB238 by developing an understanding of the way criminal responsibility is imposed through the complicity provisions of the Criminal Code and the common law and how the major defences and excuses operate. The unit also examines the major sentencing principles applied in Queensland.

Prerequisite(s): LWB238 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB202, LWB232

LWB240 Principles of Equity

The principles of Equity were originally developed to ameliorate the harshness of the common law and have since become a fundamental component of our legal system. A knowledge and understanding of the major principles of equity are necessary to an understanding of how the Australian legal system operates; it is therefore located early in the LLB degree. The aim of this unit is to provide a coherent knowledge and understanding of equitable principles within the context of the Australian legal system as well as developing skills relevant to ongoing learning and professional practice.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB301, LWB234

LWB241 Trusts

Trusts are a fundamental institution of ownership of property in equity; they are used for various purposes including estate planning, commercial and charitable purposes. A knowledge and understanding of the trust in its various forms and the equitable principles of property transfer are fundamental in understanding the impact of the principles of equity in the area of property ownership and rights. The aim of this unit is to provide a coherent knowledge and understanding of the law relating to trusts within the context of the Australian legal system and to develop skills relevant to ongoing learning and professional practice.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB301, LWB234

LWB242 Constitutional Law

The aim of the unit is to provide knowledge and understanding of the constitutional arrangements effected

by the Commonwealth Constitution and the State Constitutions, including the structure and institutions of the Constitutions, the division of power between Commonwealth and States, and relations between the different levels of government.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB235 ,LWB231

LWB243 Property Law A

The aim of the unit is to provide you with an understanding of the legal principles relating to real and personal property and how these rules operate in a modern legal system. The unit also aims to develop the skills, necessary for the practice of law and your further studies of law, in legal problem solving and reasoning and oral and written communication.

Prerequisite(s): LWB137, LWB148 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB236, LWB237, LWB332

LWB244 Property Law B

This unit aims to build upon the knowledge, understanding and skills that you acquired in LWB243 Property Law A by further developing your understanding of property law relating to leases, mortgages, co-ownership, community title, easements, profits a prendre and freehold and statutory covenants. It also aims to equip you with an understanding of how this area of the law is likely to develop in the 21st Century. Integral to this is the development of your skills of problem solving, research, writing and drafting which are necessary for the practice of law and your further studies of law, in legal problem solving, research, written communication and drafting.

Prerequisite(s): LWB146, LWB243 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB236, LWB237, LWB332

LWB302 Family Law

This unit considers the manner in which the law treats the special social relationships that exist among members of a family and transforms them into legal rights and duties. The following aspects are addressed: the family as a legal phenomenon; methods of dispute resolution in family law; annulment of marriages; dissolution of marriages; consequences of separation and divorce, such as maintenance, child support, adjustment of interests in property and parental responsibilities.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** Nil

LWB306 Planning Law

Credit points: 12

LWB307 Insolvency Law

This unit examines the following: the insolvency of individuals and the Bankruptcy Act 1966 (Cwlth); winding up of companies; reconstructions and arrangements and voluntary administration as procedures other than winding up which may be open to an insolvent company; the law relating to receivership; relevant provisions of the

Corporations Law.

Credit points: 12 **Contact hours:** 2 per week **Campus:** Gardens Point and External

LWB308 Australian Employment Law

The employment relationship is one which effects us all, and in the light of recent legislative changes to industrial and employment law, will continue to have a profound effect on both our own lives and the lives of those with whom we come into professional contact. The study of Australian industrial law draws on students' knowledge of contract, tort and constitutional law and introduces the legislative and common law bases by which industrial relations are conducted in this country.

Prerequisite(s): LWB137, LWB139 and LWB235 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** Nil

LWB309 Succession

This unit includes the following: examination of the law with respect to wills and probate; a study of the formalities required to execute a valid will; the intestacy provisions where someone dies without having made a will; the rights of a testator's family when they have not been named as a beneficiary in the deceased's will; a detailed examination of the provisions of the Succession Act 1981 (Qld).

Credit points: 12 **Contact hours:** 2 per week **Campus:** Gardens Point and External

LWB312 Real Estate Transactions

This unit includes an analysis of a land transaction through the principles involved in the construction of contracts for the sale of land, with special emphasis on the standard REIQ Contract Terms of Sale in use in Queensland. There is also reference to conveyancing of lots under the Body Corporate and Community Title Management Act 1997 and Land Sales Act 1984.

Prerequisite(s): LWB137 Contracts B, LWB139 Torts, LWB237 Real Property B & LWB240 Equity **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Gardens Point and External **Incompatible with:** Nil

LWB313 Discrimination & Equal Opportunity Law

This unit includes the following: 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External

LWB332 Commercial and Personal Property Law

This unit includes the following: fundamental concepts of personal property law (including possession and ownership); transfers of and dealings in personal property; protection of personal property interests; agency; bailment; sale of goods; introduction to trade practices law.

Prerequisite(s): LWB233 or LWB236 only **Corequisite(s):** LWB233 or LWB236 only **Credit points:** 12 **Contact hours:** 3 per week in Sem 1. **Campus:**

Gardens Point and External **Incompatible with:** LWB303

LWB333 Theories of Law

Legal practice requires an understanding and appreciation of its philosophical and theoretical foundations, as these guide the policies and inform changes to law through legislative and judicial action. Understanding the major theoretical and philosophical approaches assists with the resolution of novel and difficult legal problems. This unit imparts both knowledge based content and process based competencies that result in independent learning outcomes. Topics covered include natural law, positivism, Dworkin, social, economic and historical theories of law, legal realism, sociological theories of law, critical legal studies, postmodern legal thought, feminist theories of law, critical race theory, postcolonial legal theory.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB305

LWB334 Corporate Law

This unit includes the following: the basic legal principles relating to registered companies; the principle of the veil of incorporation; internal functioning of a registered company including the operation of the constitution and replaceable rules; dealings with third parties; legal rules relating to share capital; dividends and loan capital; introduction to obligations of company officers and shareholder rights. Further specialised units such as Law of Corporate Governance are offered for students who have completed Corporate Law and wish to concentrate some of their studies in the corporations and commercial area.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week in Sem 2. **Campus:** Gardens Point and External **Incompatible with:** LWB401

LWB335 Administrative Law

To enable you to develop a working knowledge of administrative law at both the state and federal level as well as a broader understanding of the role and function of this area of law in balancing administrative efficiency and legitimate government interests against the requirements of accountability in executive decision-making.

Prerequisite(s): LWB242 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB331

LWB356 Advocacy

Advocacy is the art of persuasion in Court and before Tribunals. This unit concentrates on developing the fundamental skills of a good advocate, namely analysis, preparation and performance. Students are required to participate in oral advocacy exercises and mock trials. Regular attendance is necessary for successful completion of this unit.

Prerequisite(s): LWB432 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External

LWB361 Drafting

This skills unit uses an interactive practical approach in teaching students the rules in drafting private legal documents in plain English. The general rules are considered first and then applied in drafting documents and parts of documents from the areas of conveyancing

contracts (residential and commercial land, and businesses), options, leases, mortgages, guarantees and trusts. Stamp duty is also dealt with because of the close relationship stamp duty has with documents of various kinds.

Prerequisite(s): LWB137, LWB237, LWB241
Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Gardens Point and External
Incompatible with: Nil

LWB364 Introduction to Taxation Law

This unit examines the principles relating to the powers of the Australian government to impose income tax. This includes concepts of residence of individual tax payers for taxation purposes and source of income. Students consider the distinction between income and capital as this relates to the imposition of income tax and the concept of deductions as a means of reducing taxable income. Taxation of capital gains particularly as this relates to a taxpayer's main residence, deceased estates and general transfers of assets is discussed in detail. The other major topic is a critical analysis of the need for the general anti-tax avoidance provisions and how they apply.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week varying for summer **Campus:** Gardens Point and External **Incompatible with:** AYB325 Taxation Law

LWB366 Law of Commercial Entities

This unit examines the legal principles pertaining to a number of different structures found in commercial life. It includes a brief consideration of corporations, more detailed examination of partnerships, unit trusts, joint ventures and incorporated associations. Consideration is given to the definition of these structures, relationship with third parties, relationship of members inter se. This unit can be completed before or in conjunction with Corporate Law (LWB334).

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External

LWB406 Fundamentals of Public International Law

This unit considers the legal rules that govern the activities of nations and the regulation of the activities of nations by international organisations, such as the UN. It also includes: the creation of international law and its sources; 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. It also includes the law of armed conflict.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Gardens Point and External **Incompatible with:** Nil

LWB407 Private International Law

This unit includes the body of law governing the resolution of private legal problems with a significant foreign (or inter-state) element. Topics studied include: 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. This unit assumes a basic knowledge of these areas of substantive law and therefore is best taken as a final year unit.

Prerequisite(s): LWB144; LWB141; LWB137; LWB139; LWB235; and LWB237 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** Nil

LWB413 Queensland Parliamentary Internship Program

This unit provides an opportunity for students to learn about the workings of the Queensland Parliament and to undertake a piece of research of interest and use to a member or senior officer of Parliament. Places are limited and preference will be given to students with a good academic record. This unit may be undertaken in semester 2, and intending students should contact the Unit Coordinator in May of each year. Places are generally available only to students in their final year of study who have achieved a grade point average of at least 5.2 or have demonstrated other evidence of capacity for research and report writing.

Prerequisite(s): Offered to students in the last year of their degree **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

LWB417 Moots

The aim of this unit is to give students a broad understanding and development of oral and written arguments and persuasive speaking, and an ability to apply these skills in a courtroom context. Additionally, students will become competent in electronic courtroom software.

Prerequisite(s): Completion of all 1st and 2nd year core units **Credit points:** 12 **Campus:** Gardens Point and External

LWB418 Competition Moots 1

If students have completed the core units in first and second year, enjoy working under pressure and have participated in at least one moot as counsel, they may apply when applications are called for. Places are very limited, but if students are successful, they can take their skills to the national and international arena, and experience mooting at the highest level. International and national moots require significant preparation and attention to detail, with a very high level of commitment, research, writing and discipline knowledge. Because of the timetabling of international moots throughout the year, students may be required to work on the competition moot from November to February. The number of moots offered will vary from year to year.

Prerequisite(s): Completion of all 1st and 2nd year core law units plus participation in at least one Law School moot **Credit points:** 12 **Campus:** Gardens Point

LWB419 Competition Moots 2

This unit allows a student to build on the skills they have learnt in LWB418 Competition Mooting 1, to give them a higher level of understanding of oral and written argument and persuasive speaking, and an ability to apply these skills in an international competitive context.

Prerequisite(s): LWB418 **Credit points:** 12 **Campus:** Gardens Point

LWB420 Internship

The aim of this unit, ideally to be undertaken in the later years of the LLB course, is to provide an opportunity for students to work in a functioning workplace environment with a broad public law focus and to enable students to engage in practical tasks, that require demonstration of legal analysis critical reflection and appropriate communication skills.

Prerequisite(s): Completion of 192 credit points of law units **Credit points:** 12 **Campus:** Gardens Point and External

LWB421 Learning in Professional Practice

This unit provides students with the experience of working in a legal professional placement in the private sector. The student will reflect upon and learn from this experience through keeping a reflective journal, sharing their experiences with other students and use of the student ePortfolio. Integral to the student's experience will be the identification and consideration of the theory/practice nexus.

Prerequisite(s): 192cps of law (LWBxxx) units **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point and External **Incompatible with:** Nil

LWB422 Virtual Law Placement

The aim of the VLP unit is to provide you with a real world learning experience through your application for, and supervised placement in one of a diverse range of legal workplace environments. Through this experience you should achieve a greater knowledge and understanding of the dynamic relationship between academic knowledge and its practical application to the legal issues that arise in a workplace; as well as the opportunity to identify and practise the graduate capabilities relevant to the workplace environment in which your virtual placement is located.

Prerequisite(s): 192cps of Law (LWBxxx) units **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point and External **Incompatible with:** Nil

LWB431 Civil Procedure

This core unit focuses on developing basic litigation skills. The following issues are examined: the adversarial system and alternative methods of dispute resolution, obligations to the client, the structures and processes of litigation conducted in the Supreme, District and Magistrates Courts, jurisdiction, originating process, notice of intention to defend, parties, service, ending proceedings early, pleading, disclosure, subpoenas, trial, appeals, costs and enforcement.

Prerequisite(s): Completed 192 credit points **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB404

LWB432 Evidence

The law of Evidence concerns those rules and principles which govern the presentation and proof of facts and information in court proceedings, both civil and criminal. The unit covers both State and Federal jurisdictions. NB: External only in Semester Two.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week. NB: External only in Sem 2. **Campus:** Gardens Point and External **Incompatible with:** LWB402

LWB433 Professional Responsibility

This unit includes the following: 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; codes of conduct, trust accounts and professional legal ethics.

Prerequisite(s): 192 credit points **Corequisite(s):** Nil
Credit points: 12 **Contact hours:** 3 per week in Sem 2.
Campus: Gardens Point and External **Incompatible with:** Nil

LWB434 Advanced Research and Legal Reasoning

This unit develops advanced skills of legal research, analysis, problem-solving, critical thinking, and writing for diverse purposes, and topical developments in substantive areas of law.

Prerequisite(s): LWB143 or equivalent; LWB333 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** LWB415

LWB435 Legal Research in Practice

The aim of this unit is assist you to develop the advanced legal skills necessary to solve and communicate options for the resolution of complex legal problems (issue identification, legal research, critical analysis and effective writing), in a professional context. The unit also aims to advance your ability to acquire new knowledge independently. The focus of the unit is on teaching doctrinal legal research skills.

Prerequisite(s): 192cps including LWB143 or LWB146
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External

LWB456 Legal Clinic (Organised Program)

In this unit students are provided with the opportunity to see law in action through being involved in the delivery of legal services to members of the community under the umbrella of Legal Aid Queensland, the Prisoners Legal Service Inc or the Aboriginal and Torres Strait Islander Corporation (QEA) for Legal Services. Students work in their placement is supplemented with a weekly seminar program that deals with such topics as legal interviewing, family and criminal law practice, professionalism and legal writing.

Prerequisite(s): Nil (Criminal Law And Procedure Or Family Law Recommended) **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

LWB480 Media Law

This unit examines the regulation and non-regulation of freedom of speech exercised by the media. In this regard various limitations imposed by the common law, statute and self-regulation will be examined, such as defamation, restrictions on reporting courts and politics, contempt, privacy and confidentiality.

Prerequisite(s): LWB147 & LWB148 **Corequisite(s):** Nil
Credit points: 12 **Contact hours:** 3 per week
Campus: Gardens Point and External **Incompatible with:** Nil

LWB482 Internet Law

This unit addresses the idea that it is vital for any participant in the digital age to gain a thorough knowledge of the structure, governance and regulation of the Internet, digital intellectual property, and risk management strategies for stakeholders.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Gardens Point and External **Incompatible with:** Nil

LWB483 Medico-Legal Issues

This unit considers the regulation of health care as well as the relationship between the individual and the health care provider in terms of consent to treatment; negligence; the impact of the criminal law; abortion; removal from life support systems; mental illness; medical records and evidence; ownership and confidentiality of records; the duty to treat; complaints against hospitals and health care workers.

Prerequisite(s): LWB138 or LWB147 **Corequisite(s):** Nil
Credit points: 12 **Contact hours:** 3 per week
Campus: Gardens Point and External **Incompatible with:** Nil

LWB484 Electronic Commerce and Technology Contracts

This unit allows a student to: examine and critique the law relating to electronic commerce and technology contracts; gain an awareness of the essential clauses in computer system acquisition agreements; understand essential clauses in software development, licensing and distribution agreements; appreciate civil and criminal liability and risk management strategies; develop a focus of critique about the underlying design, content, and practice of electronic commerce.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Incompatible with:** Nil

LWB485 Environmental Law

This unit provides an introduction to environmental law in Queensland: the sources, nature and development of environmental law in Queensland; the concepts of environmental law (for example 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.

Credit points: 12 **Contact hours:** 2 per week **Campus:** Gardens Point and External

LWB486 Intellectual Property Law

There have been significant developments in the field of intellectual property law in recent years and the area is undoubtedly one perceived by the practising profession as growing in importance. This unit will provide a foundation to those areas of intellectual property law that legal practitioners may encounter in their everyday practice. In so doing, it will provide an examination of each of the intellectual property regimes. The course will also consider some of the broader more general policy matters as they

relate to the field of intellectual property law.

Prerequisite(s): 144 credit points of law units

Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week. **Campus:** Gardens Point and External

Incompatible with: Nil

LWB489 Native Title Law and Practice

Trusts are a fundamental institution of ownership of property in equity and they are used for various purposes including estate planning, commercial, and charitable purposes. A knowledge and understanding of the trust in its various forms and the equitable principles of property transfer are fundamental in understanding the impact of the principles of equity in the area of property ownership and rights. The aim of this unit is to provide you with an understanding of current Australian law and procedure relevant to native title issues, and a critical appreciation of the cultural, social, historical and broader legal context in which these issues arise.

Prerequisite(s): LWB236 Real Property A

Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3

Campus: Gardens Point and External **Incompatible with:** Nil

LWB495 E-Litigation

The ability to effectively manage electronic information is becoming a core skill in the conduct of civil litigation. This unit will explore a range of issues that arise in this context, including privacy and security issues, electronic filing, electronic appeal books, and a contrast of the traditional model for litigation practice with the use of technology-based litigation support systems. It will also aim to develop the skills necessary for dealing with electronic evidence and the parameters for electronic discovery. As the courts are now taking an active role in encouraging parties to use information technology in civil litigation the unit will consider the relevant rules of court and Practice Directions, both in Australia and in other jurisdictions.

Prerequisite(s): LWB431 **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Incompatible with:** Nil

LWB496 Human Rights Law

The law of human rights is being incrementally developed by the courts & may, in the next few years, be further promoted by statute law if other jurisdictions enact Acts like the ACT Human Rights Act 2004. There will be an increasing demand for lawyers who have detailed knowledge of this law.

This unit will explore the notion of what human rights are (except for anti-discrimination rights which are covered in other units), and will then explore the current protection given to human rights by the common law, by techniques of statutory interpretation, by express constitutional provisions, by constitutional implications and by reliance on international Conventions. We will then critically consider the different models for rights protection adopted in other nations.

Prerequisite(s): LWB235 / LWB242 + LWB239

Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External

Incompatible with: Nil

LWB497 Advanced Research Project

The aim of the unit is to provide students with the opportunity to develop and apply the skills of research and writing, analysis and reasoning, by undertaking a specific, supervised project of research under the supervision of a senior academic, on a topic agreed between the student and supervisor which is suitable for achieving the objectives of the unit.

Prerequisite(s): 192 Credit Points 5.5GPA

Corequisite(s): Nil **Credit points:** 12 **Campus:** Gardens Point and External **Incompatible with:** Nil

LWB498 Dispute Resolution and Non-adversarial Practice

Dispute resolution processes such as mediation and conciliation are now utilised in many areas of contemporary Australian society to resolve both legal and non-legal disputes. These processes are used both within the court system and outside it in legal, government, banking, workplace, community, complaints management, health and educational settings. In addition, in recent years, we have witnessed the increasing use by judicial officers of less adversarial approaches to justice within the court system with the aim of providing a more beneficial and effective outcome for clients. It is important that you as a future lawyer or legal professional have a knowledge and understanding of these processes along with a critical perspective of the adversarial system.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 2 **Campus:** Gardens Point and External

LWB499 Creative Commons Clinic

Creative Commons is a world wide project that aims to build a distributed information commons by encouraging copyright owners to licence use of their material through open content licensing protocols and thereby promote better identification, negotiation and reutilization of content for the purposes of creativity and innovation. QUT is the lead agent for the Australian Creative Commons Project. This unit aims to provide you with a cross disciplinary environment in which you can gain real world experience, skills and knowledge working directly on the further implementation of the Creative Commons Project in Australia and across the world. This unit is being run in conjunction with the ARC Centre of Excellence for Creative Industries and Innovation (CCI) and is designed to generate and disseminate knowledge on the Creative Commons project, in line with the CCI's key outcomes.

Prerequisite(s): Permission of unit coordinator, Completion of 192 credit points **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External

LWN022 Banking and Finance Law

This unit includes the following topics: the new regulatory scheme imposed by the Financial Services Reform Act 2001 (Cwlth) and the Australian Securities and Investments Commission Act 2001 (Cwlth); the commercial use of bills of exchange; statutory protection of financial institutions in relation to the payment and collection of cheques; the operation of bank accounts and payment mechanisms such as electronic funds transfers; select issues arising out of the banker-customer relationship: the banker's right of set-off,

liens, combination of accounts, 'charge backs', appropriation of payments, the effect of orders for the redirection of debts and Mareva orders on financial institutions; alternative dispute resolution under the revised Code of Banking Practice

Contact hours: 2 per week **Campus:** Gardens Point

LWN025 Research Project 1A

In this unit, students undertake a supervised research project of about 10,000 words over one semester approved by the Teaching, Learning and Curriculum Committee. Students should refer to the relevant course rules for the maximum credit point limit of Research Project units allowed to be undertaken as part of their course and how to apply to undertake this unit.

Prerequisite(s): 12 credit points of LWN coded units

Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 26 hours in total **Campus:** Gardens Point

LWN026-1 Research Project 2A

In this unit, students undertake a supervised research project of about 20,000 words over two (2) semesters approved by the Teaching, Learning and Curriculum Committee. This unit code is the first component. Students should refer to the relevant course rules for the maximum credit point limit of Research Project units allowed to be undertaken as part of their course and how to apply to undertake this unit.

Prerequisite(s): 12 credit points of LWN coded units

Corequisite(s): nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** LWN026

LWN026-2 Research Project 2A

In this unit, students undertake a supervised research project of about 20,000 words over two (2) semesters approved by the Teaching, Learning and Curriculum Committee. This unit code is the final component. Students should refer to the relevant course rules for the maximum credit point limit of Research Project units allowed to be undertaken as part of their course and how to apply to undertake this unit.

Prerequisite(s): 12 credit points of LWN coded units

Corequisite(s): nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** LWN026

LWN026 Research Project 2A

In this unit, students undertake a supervised research project of about 20,000 words over one semester approved by a working party of the Law Faculty Teaching, Learning and Curriculum Committee. Students should refer to the relevant course rules for the maximum credit point limit of Research Project units allowed to be undertaken as part of their course and how to apply to undertake this unit.

Prerequisite(s): 12 credit points of LWN coded units

Corequisite(s): nil **Credit points:** 24 **Campus:** Gardens Point **Incompatible with:** nil

LWN030 Mediation

The ADR movement has developed at a rapid pace in Australia and internationally with mediation being incorporated into the practices of most courts and tribunals as well as at the private level. This unit examines the theory and skills of mediation. The aim of this unit is to provide a

coherent knowledge and understanding of mediation theory as well as developing mediation skills relevant to ongoing learning and professional practice.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 26 hrs in total **Campus:** Gardens Point **Incompatible with:** nil

LWN036 Select Issues in Intellectual Property Law

This unit examines a range of contemporary issues in the broad field of intellectual property law. Topics include: Copyright protection for digital works; the Copyright Law Review Committee (CLRC) Reports; defences in relation to computer program (reverse engineering); the protection of facts and the Database proposals; collective administration of copyright; fair dealing; copyright protection of Indigenous art and culture; moral rights and performers' rights; contracting out and the future of copyright in the digital age; patent protection for computer programs; current issues in Trade Marks (including domain names and geographical indications).

Contact hours: 26 hrs in total **Campus:** Gardens Point

LWN046 Advanced Planning Law

To practice effectively in the growing area of Environmental and Town Planning Law it is essential that practitioners have a detailed knowledge of the principals of town planning, relevant statutory instruments and the practice and procedure of the Planning and Environment Court. It is advisable for those practising in this area to be aware of the legislative changes that have taken place in the recent past and what is proposed for the future. It is an area where the State Government has and will continue to make considerable changes.

Prerequisite(s): nil **Corequisite(s):** nil **Contact hours:** 2 hrs per week **Campus:** Gardens Point **Incompatible with:** nil

LWN048 Advanced Legal Research

Legal Research at an advanced level is a fundamental part of postgraduate legal study both for coursework and more particularly thesis and dissertation purposes. Exposure to a structured course on the nature, aims and techniques of legal and other research is essential to a proper foundation in postgraduate research skills at an advanced level. Advanced Legal Research is also highly recommended for those students who have completed their undergraduate degree in a jurisdiction other than Australia.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 26 hours in total **Campus:** Gardens Point **Incompatible with:** nil

LWN049 International Environmental Law

International environmental law is a dynamic area of international law with implications for the management of natural resources both in Australia and at the global level. This unit introduces students to the fundamental principles structuring international environmental law, discusses the principal institutions, cases and treaties in this field and explores the impact of international environmental obligations on natural resource management in Australia. The unit highlights the particular challenges facing international environmental lawyers seeking the protection and enhancement of the global environment, as well as

international environmental issues of contemporary concern.

Contact hours: 26 hours in total **Campus:** Gardens Point

LWN050 Restrictive Trade Practices Law

All countries that rely on markets and competition to allocate resources and satisfy the needs of consumers have a set of rules designed to deal with problems of market failure caused by one or more firms possessing market power. Such firms are able to undermine the competitive process by engaging in anti-competitive behaviour. This unit considers this Law.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 2 hrs per week **Campus:** Gardens Point and External **Incompatible with:** nil

LWN051 Consumer Protection and Product Liability

This unit is divided into two main parts. The first part considers the statutory and common law actions that 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, financial services 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.

Credit points: 12 **Contact hours:** 2hrs per week **Campus:** Gardens Point and External

LWN053 Research Project 1B

See LWN025.

Prerequisite(s): LWN025 **Credit points:** 12 **Campus:** Gardens Point

LWN056 Research Project 1C

See LWN025.

Prerequisite(s): LWN025, LWN053 **Credit points:** 12 **Campus:** Gardens Point

LWN057 Research Project 1D

See LWN025.

Prerequisite(s): LWN025, LWN053, LWN056 **Credit points:** 12 **Campus:** Gardens Point

LWN058-1 Research Project 2B

See LWN026-1.

Prerequisite(s): LWN026-1 **Credit points:** 12 **Campus:** Gardens Point

LWN058-2 Research Project 2B

See LWN026-2.

Prerequisite(s): LWN026-2 **Credit points:** 12 **Campus:** Gardens Point

LWN060 Environmental Legal System

Environmental law and its related unit Natural Resources Law have become significant areas of professional legal practice over the last decade or so. A number of firms of solicitors have set up units in their practices specialising in these areas. At the same time, these branches of the law have emerged as significant areas for research and

publication. Most law schools have undergraduate courses in environmental law and several have introduced postgraduate courses in these areas. There is a growing demand for courses in these areas at postgraduate level on the part of those wishing to study the subject for the first time and also on the part of those seeking to expand their existing knowledge and understanding of these areas. This unit complements the unit in Natural Resources Law. Together these two courses create the framework within which further study is possible either by way of further units or more focused research papers.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 26 hrs in total **Campus:** Gardens Point **Incompatible with:** nil

LWN061 Natural Resources Law

This unit includes the following: 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. Examples include land, water and fisheries.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 26 hrs in total **Campus:** Gardens Point and External **Incompatible with:** LWN014, LWN027

LWN062 Federal Environmental Law

This unit includes the following: the 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.

Prerequisite(s): nil **Corequisite(s):** nil **Contact hours:** 26 hrs in total **Campus:** Gardens Point **Incompatible with:** nil

LWN063 Comparative Environmental Law

This unit addresses 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 the United Kingdom and Greece, the European Union, South Africa, India, New Zealand and the USA.

Credit points: 12 **Contact hours:** 26hrs in total **Campus:** Gardens Point

LWN065 Construction and Engineering Law

Preparation of construction and engineering contracts has now become a distinct area of legal practice with many firms having established sections which specialise in this area. A sound knowledge of the standard forms used in the

industries and the special principles of law applicable to this area is essential for those wishing to practise in the area. This unit provides the knowledge sought by current and future practitioners and those considering embarking upon research in this area.

Prerequisite(s): nil **Corequisite(s):** nil **Contact hours:** 2 hours per week **Campus:** Gardens Point
Incompatible with: nil

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: the international trade law and environment; harmonisation and unification of law; international contracts (characteristics, comparative law, 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).

Contact hours: 2 hrs per week **Campus:** Gardens Point
Incompatible with: LWN023

LWN076 International Commercial Disputes

This unit addresses legal issues regarding the resolution of commercial disputes in international trade. It is 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.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 2 hrs per week **Campus:** Gardens Point
Incompatible with: LWN023

LWN083 Estate Planning

In recent years there has been a renewed interest in all aspects of estate planning. During the period when death duties were imposed at both the State and Federal levels, professional interest in this area was high as the public perceived its need for expert professional advice, particularly as it related to the structuring of a person's affairs to minimise the impost of these duties. The emergence of capital gains tax and the realisation of its growing significance, together with a recent emphasis generally on financial planning has again brought this area to prominence. At a time when the legal profession is looking for new areas at work, there is also evidence that lawyers see this area as one which has been largely neglected. This unit seeks to conceptualise a framework in which the issues which arise in estate planning can usefully be considered.

Prerequisite(s): nil **Corequisite(s):** nil **Contact hours:** 2 hrs per week **Campus:** Gardens Point and External
Incompatible with: nil

LWN097 Corporate Insolvency

This unit considers topics of commercial interest relevant to corporate insolvency. It concentrates on advanced areas pertinent to liquidation, receivers and other controllers, and voluntary administration in Australia. In particular, seminars focus on issues likely to arise in practice, including problems associated with statutory demands, termination of deeds of arrangement, and insurer funding of litigation.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 26 hrs in total **Campus:** Gardens Point
Incompatible with: nil

LWN099 Intellectual Property Law

This unit includes a study of the concept of Intellectual Property and the principles and policies of intellectual property law. Topics covered include copyright, designs, patents, innovation patents, trade marks, passing off, and breach of confidence.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 26 hrs in total **Campus:** Gardens Point
Incompatible with: nil

LWN111 Public Law and Government Commercial Activity

This unit examines the reach of public law remedies in the field of commercial activities in which government agencies are involved. Areas covered include corporatisation, out sourcing and privatisation.

Credit points: 12 **Contact hours:** 2 hrs per week
Campus: Gardens Point

LWN117 Cyber Law and Policy

This unit examines legal issues relating to the Internet. The unit will consider the application of existing legal principles to "cyberspace" as well as newly developed Internet Law or Cyberlaw principles. Knowledge of Internet Law is of increasing importance in many areas of legal practice, industry and to society more generally. This is a new area of activity and it is important to educate lawyers and other professionals on the unique issues that have arisen and will emerge in this area, in particular the difficulty in regulating the distributed international network of computers known as the "internet".

Credit points: 12 **Contact hours:** 2 hrs per week
Campus: Gardens Point

LWN119 Employment Law

Employment law is a foundation unit that allows students to survey at an advanced level the sources, components and relationships of employment law in Australia. Successful completion of this unit provides students with the necessary background to continue on to undertake further advanced courses in more specialised areas of labour law, including public sector employment law and the law of trade unions.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 26 hrs in total **Campus:** Gardens Point
Incompatible with: nil

LWN120 Select Issues in Media Law and Policy

In the technology age the media pervades our lives. Those in the media who control the flow of information wield great power. A study of the functioning of media institutions and the controls imposed upon the activities of those institutions in a democratic society may lead to an understanding of the

exercise of that power. This unit examines the concept of freedom of speech as exercised by the media and selected limitations on that freedom imposed by the common law and statute, limitations imposed upon media institutions represented by broadcasting law and policy issues affecting the functioning of the media.

Prerequisite(s): nil **Corequisite(s):** nil **Contact hours:** 26 hrs in total **Campus:** Gardens Point **Incompatible with:** nil

LWN122 Commercial Leases

With the exponential rise in the numbers of commercial premises such as office blocks, shopping centres and industrial factories in the past decade or so, the study of commercial leases for the legal practitioners has assumed a great importance. Statute law in the form of the Trade Practices Act 1974 and the Retail Shop Leases Act 1994 have also impacted significantly upon commercial leasing practices. Whilst there is no one form of standard commercial lease, certain generic clauses have emerged and there now exists a substantial body of law in Australia relating to the theory underlying and practice of the law of commercial leases. This unit endeavours to explain the theoretical basis for the use of certain basic covenants at the same time taking full account of the practical operation of commercial leases in Australia.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 26 hrs in total **Campus:** Gardens Point **Incompatible with:** nil

LWN125 Electronic Commerce Law

It is vital for any participant in the digital age to gain a thorough knowledge of how the information economy is regulated for the benefit of individuals, corporations and the State, nationally and internationally. In order to be able to participate as a lawyer or other professional in this new environment it is important to have an understanding of the laws relating to privacy, e-security, consumer regulation, electronic payment and taxation systems, electronic contracts, and Public Key Infrastructure.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 2 hours per week **Campus:** Gardens Point **Incompatible with:** nil

LWN127 Advanced Insurance Law 1

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 2 hours per week **Campus:** Gardens Point **Incompatible with:** Nil

LWN129 Contemporary Issues in Sentencing Law

Sentencing law has become a specialised area of research and practice over the past two decades in the United Kingdom and the United States, and increasingly so in Australia. In practice, this is particularly so for barristers and specialist criminal law practitioners. Increasingly, law schools have undergraduate and postgraduate units in this area. Almost all Australian jurisdictions have now introduced specialised sentencing legislation, introducing discrete principles and thereby ensuring that a separate discipline area of sentencing law has emerged, complete with its own discourse. It is therefore appropriate that sentencing law should feature as a postgraduate unit in its own right.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:**

12 **Contact hours:** 26 hours in total **Campus:** External **Incompatible with:** nil

LWN131 Queensland State Lands: Law and Practice

As the unit examines a unique system of land tenures and dealings which is not studied in any great depth at undergraduate level, the focus of the unit is on: the current legislative scheme and current policies relating to non-freehold land in Queensland; contemporary issues within the context of the prevailing legislative and policy frameworks; and the development of generic skills including research skills and critical evaluation skills that may be applied in other areas of study.

Credit points: 12 **Contact hours:** 26 hrs in total **Campus:** Gardens Point and External

LWN132 Public Sector Employment Law and Policy

Public sector employment law will allow students to survey at an advanced level the sources, components and policy underlying the law of public sector employment in Australia, and, particularly, Queensland. This will provide a basis for comparative studies within other jurisdictions.

Given that employment law is one of the fastest growing areas of legal practice, there is an increasing demand for this area of law and for specialisations within this field of study, including public sector employment law and the law of trade unions, to be studied at postgraduate level by members of the legal profession in both private and public sector legal practice.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 26 hours in total **Campus:** External **Incompatible with:** Nil

LWN138 Comparative Cultural Heritage Law

This unit includes: an examination of the concepts of culture and cultural heritage; the international law framework within which cultural heritage is managed and protected; an analysis of the ways in which a number of national jurisdictions approach the conservation of their cultural heritage. These include the USA, UK, the European Union, South Africa, China, New Japan, Malaysia, Zealand and Australia. The focus of the unit is upon cultural heritage values associated with land and land-related resources.

Contact hours: 26 hrs in total **Campus:** Gardens Point

LWN139 Privacy Law

This unit covers an introduction to the concept of privacy: including both the historical development of privacy rights and the operation and implication of state and federal legislation and international obligations; detailed consideration of the Commonwealth private sector regime; consideration of the impact of privacy law on specific fields of practice such as health, employment, not-for-profit and banking/finance/insurance; issues relating to the Internet; compliance and code development; international regimes.

Credit points: 12

LWN144 Contemporary Issues in Child Law

This unit introduces students to selected contemporary legal issues affecting children in Australia. These issues present

both legal and moral questions that have implications for legal practice and policy development. This unit gives students the opportunity to identify current legal positions about controversial issues in Australian law relating to children, and to apply advanced skills in legal research, analysis and writing to critically evaluate those positions.

Contact hours: 2 hrs per week **Campus:** Gardens Point and External

LWN145 Corporate and Investment Regulation

Regulation is no longer solely a government issue any more, Enron, HIH and One Tel have taught us it is an issue that both the private and public sectors must embrace and learn quickly.

Lawyers and corporate advisers must now think outside the square and keep abreast of an ever-changing legal and corporate environment. This unit will develop a forward thinking approach to corporate and investment regulation and promote practical and analytical appraisal of the issues arising in relation to the regulation of companies and investment.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 2 hrs per week **Campus:** Gardens Point **Incompatible with:** nil

LWN147 Patent Law and Commercialisation

In the modern world lawyers are increasingly faced with issues concerning the exploitation of and access to intellectual products relating to biotechnology and information technology. This unit will allow students to develop knowledge of this specialised area, which is of growing importance to government, industry and society more generally.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 26 hrs in total **Campus:** Gardens Point **Incompatible with:** Nil

LWN149 Conception, Birth and the Law

Some aspects of human reproduction raise complex legal and ethical considerations. Civil liability to a child can arise where that child is injured in utero or upon delivery. Liability to parents may also arise where a child is conceived as a result of a failed sterilization procedure or where a mother is injured during a negligent delivery. There have also been rapid developments in assisted reproductive technologies. One of the difficulties in this area is an absence of consistent regulation of the many controversial issues associated with such medical advances. These include the nature of any regulatory regime, access to treatment, rights of donors and children born as a result of these technologies, posthumous use of gametes and embryo research. The topics examined in this unit are becoming increasingly important both from the perspective of government regulation and for legal practitioners in the field of health law.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 26hrs in total **Campus:** Gardens Point **Incompatible with:** nil

LWN150 Death, Decisions and the Law

As people near the end of their lives, their medical treatment and other care raises complex medical, legal and ethical

decisions. Choices about whether particular treatment should be provided or refused may have to be made, and this is complicated by the fact that many people may not have the competence at this stage in their life to be able to make these decisions. Although a competent adult may refuse treatment, another choice demanded by some is the right to end their own life and to be assisted by others to achieve this. This unit examines the legal aspects of these choices.

Prerequisite(s): nil **Corequisite(s):** nil **Contact hours:** 26 hrs in total **Campus:** Gardens Point **Incompatible with:** nil

LWN153 Select Issues in Art, Culture and the Law

This unit introduces a distinct art and culture law to Australian legal practitioners, arts practitioners and policy makers, which has been developing in the international arena since the 1980s. Creating and selling art and cultural objects is the subject of well-defined categories of law, including contracts, sale of goods and copyright, though other specific forms of regulation, such as the law governing the international movement of cultural objects, is less well-known. Finding and applying these areas of law is relatively straightforward, but without an appreciation of the relationship between the areas of law, inconsistencies and contradictions arise. One reason this occurs is because these areas of law cross traditional legal categories, and there is generally very little opportunity within most law courses to understand the inter-relationship and interaction between these disparate areas of law.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 26 hrs in total **Campus:** Gardens Point **Incompatible with:** Nil

LWN155 Biotechnology Law

Multifaceted problems are raised by biotechnology, most of which revolve around the genetic modification of life. Wide ranging issues include the acceptability of patenting life forms, the monopolisation of basic food production with genetically modified foods, the risk and allocation of risk with the introduction of modified materials into the ecosystem, cloning and stem cell use. Professionals working in the biotechnology area need to be familiar with the legal, scientific and business issues that arise out of this developing area.

The aim of this unit is to examine the law related to the globally-significant and growing area of biotechnology.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 26 hrs in total **Campus:** Gardens Point

LWN157 Comparative Native Title Law and Policy

Comparative study in the complicated area of 'Native Title' is essential to the principled development of Australian law and policy. This unit has the following aims: to engender an understanding of the development of the Australian native title doctrine in comparative context; to encourage consideration of the various dimensions of the contemporary Australian law and policy with reference to global legal patterns and attention to Indigenous perspectives; to facilitate a critical and reform-oriented examination of current problems in the field in Australia.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:**

26 hrs in total **Campus:** Gardens Point and External

LWN158 Public International Law

Public international law is the foundational law which governs the rules operating as between States. It establishes, for instance, the contexts in which force may be used, how new States come into being, what environmental obligations States owe to one another, and the immunities States and their representatives may enjoy from prosecution. It is pursuant to international law, that International Tribunals have been established to prosecute war criminals. Furthermore, doctrines of international law underpin arguments concerning the appropriate maritime boundaries between East Timor and Australia or the competence of the coalition of the willing to militarily intervene in Iraq. Not only is international law vital to understanding many of the high-profile wo

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 26 hrs in total **Campus:** Gardens Point **Incompatible with:** nil

LWN159 Electronic Litigation

With the proliferation of electronic files being created and distributed by corporations around the globe today, it is no surprise that the discovery process during a document-heavy litigation is becoming more and more onerous.

Tools to effectively manage this electronic information are used by many of the larger law firms and will soon be part of every legal practice, in much the same way as the word processor is a necessity in any new millennium practice. Moreover, courts are now taking the initiative to encourage the use of information technology in civil litigation.

Knowledge of the issues that surround electronic documents and the use of information technology to better manage discovery and trial processes is imperative, and such issues are examined in this unit - Electronic Litigation.

Prerequisite(s): nil **Corequisite(s):** nil **Contact hours:** 26 hrs in total **Campus:** Gardens Point **Incompatible with:** nil

LWN160 Professional Liability & Property Transactions

The primary aim of this unit is to examine the development and application of the principles relating to the liability of nominated professionals engaged in property transactions, it affords an opportunity to a student to critically analyse issues arising from complex factual matrices which present themselves in this area of law and to contribute meaningfully to a consideration of these issues in a structured way. The second aim of this unit is to give students an understanding as to how this area of law may develop further based upon the application of new concepts such as proportionate liability or economic loss and apportionment legislation under the Trade Practices Act 1974 and Civil Liability Acts in Australian jurisdictions.

Contact hours: 26hrs in total **Campus:** Gardens Point

LWN161 Law and Policy of the World Trade Organisation

With the rapid acceleration in the pace of globalisation and a substantial broadening of the WTO's regulatory field since 1994, the World Trade Organisation (WTO) is the

multilateral economic institution that is responsible for regulating a broad range of trans-border economic activities. WTO law and policy impacts on enterprises that engage in trans-border economic activities by regulating foreign market access/trade barriers, unfair international trade practices, international trade in services, intellectual property and trade related investment measures and international trade dispute resolution.

Prerequisite(s): nil **Corequisite(s):** nil **Contact hours:** 26 hrs in total **Campus:** Gardens Point **Incompatible with:** nil

LWN162 Australian Common Law System

This unit is designed for international students from civil law countries and other non- common law jurisdictions or jurisdictions where English is not the first language and Australian graduates in disciplines other than law. This unit will provide these students with a solid foundation in the common law system with particular emphasis on the Australian legal and constitutional framework so that they will be much better equipped to complete other units in LW51 Master of Laws or LW60 Graduate Certificate in Law.

Prerequisite(s): this unit is for students from jurisdictions outside Australia and for non-law graduates in LW60

Corequisite(s): nil **Credit points:** 12 **Contact hours:** 2 hours per week **Campus:** Gardens Point **Incompatible with:** Australian Bachelor of Laws

LWN163 Capacity, Guardianship and Administration

Decisions about guardianship and administration are part of the legal and social fabric of our society. Despite the fact that decisions about guardianship and administration are being made every day, this area of law raises difficult legal and ethical issues. Because a decision is being made on behalf of an adult with impaired decision-making capacity, there are issues as to who should make these decisions and how they should be made. The topics examined in this unit are important from the perspective of government regulation, for those making these decisions for adults with impaired capacity (including relatives and those in statutory positions), and for legal practitioners in fields such as health law and succession.

Prerequisite(s): nil **Corequisite(s):** nil **Contact hours:** 26 hrs in total **Campus:** Gardens Point **Incompatible with:** nil

LWN164 Health Care Law and Ethics

The relationship between law and ethics in healthcare is important, but at times contested. This unit explores that relationship to lay the foundations of an understanding of law and ethics as they relate to healthcare.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 26hrs in total **Campus:** Gardens Point **Incompatible with:** nil

LWN165 Children's Health and the Law

This unit introduces you to selected legal issues concerning the health of children in Australia. These issues are new and emerging, and they present legal, theoretical and practical questions that have implications for legal, health and educational systems. As well, they pose new challenges for legal practitioners, policymakers and scholars. Studying this unit at postgraduate level provides

opportunities and challenges that exceed undergraduate study. You will be exposed to a number of contemporary issues affecting children and their health. You will have the opportunity to consider, from interdisciplinary perspectives, legal problems regarding children's health that face legal, health and other social systems. You will be required to identify an important issue in Australian law relating to children and health, and to conduct legal research, analysis (which can be interdisciplinary) and writing to critically evaluate the situation.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 26 hrs in total **Campus:** Gardens Point **Incompatible with:** nil

LWN166 Consent To Treatment and Clinical Negligence

Health law is an important and growing area of legal practice and attracts much attention from academic, social and political commentators across a range of disciplines.

A detailed knowledge and understanding of the law relating to consent to treatment is a core legal issue in health law. This area involves the consideration of complex legal, ethical and policy considerations. In recent times, decisions of the High Court of Australia and courts in other jurisdictions have emphasised the importance of the rights of patients to make decisions for themselves in relation to medical treatment where they are competent to do so and absent special circumstances.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 26 hours in total **Campus:** Gardens Point

LWN167 Families, Creation and Separation

Family law is a rapidly evolving area of law that reflects changing societal values and key developments in government policy. Understandings of 'marriage' and 'family' in contemporary Australian society are altering due to changing societal values. In some respects this has occurred in response to an increase in the number of de-facto and same-sex relationships and the changing configurations of 'family' due to people accessing assisted reproductive technology. It is therefore of critical importance that family law practitioners, people working within the family law system and graduates with an interest in family law have the opportunity to study emerging issues relating to family law at a high and analytically sophisticated level.

Prerequisite(s): nil **Corequisite(s):** nil **Contact hours:** 26hrs in total **Campus:** Gardens Point **Incompatible with:** nil

LWN169 Equitable Obligations

The scope for equitable relief based on breach of equitable obligations now includes not only relationships and situations which traditionally give rise to equitable obligations but also many other relationships and situations outside of those well established relationships and situations. The activities of third parties who become involved or participate with those subject to equitable obligations are also subject to scrutiny within a framework of principles which has been developed for that purpose. This unit complements other units which focus on other contemporary perspectives and developments in related areas of private law obligations including restitution, tort, corporate responsibility and trade practices.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 26hrs in total **Campus:** Gardens Point **Incompatible with:** nil

LWN170 Parliamentary Law, Practice and Procedure

There is a need for parliamentary staff and others dealing with a Parliament to understand

1. the law governing Parliament's powers; and
2. the rules of practice and procedure governing the way in which parliaments conduct their affairs.

This unit examines the law governing the powers of a parliament (Commonwealth, State and New Zealand) and the rules of practice and procedure for a parliament. It is designed primarily for members of parliamentary staff in Australia or New Zealand under an arrangement with ANZACATT (the Australian and New Zealand Association of Clerks At The Table). Under that arrangement priority to enrol in the unit will be given to members of parliamentary staff in Australia or New Zealand nominated by the Clerk of the relevant parliament. The content of this unit complies generally with the recommendations in the Commonwealth Parliamentary Association's Guidelines for the Training of Parliamentary Staff.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point **Incompatible with:** Nil

LWN172 Special Topic in Commercial Law

Advanced level research frequently draws on the expertise of leading national and international researchers who visit the Law Faculty, as well as research developing out of activities (grants etc) in the Faculty or related entities (Centres of Excellence etc).

By enrolling in Special Topic in Commercial Law, Graduate Certificate in Law (LW60) students and Master of Laws (LW51) students can take advantage of the expertise of these acknowledged experts, enrol in this unit and gain knowledge in areas of interest that may only be available for a limited period of time at QUT, while at the same time counting this unit as part of a major in Commercial Law.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point

LWN173 Special Topic in Environmental Law - Climate Change

Climate change presents as the archetypal environmental problem. The scientific reports of the Intergovernmental Panel on Climate Change state that the stabilisation of emissions in the atmosphere, to avoid the adverse impacts of climate change, requires significant and rapid reductions in business as usual global greenhouse gas emissions. The sheer magnitude of emissions reductions required, within this urgent timeframe, will necessitate an unprecedented level of international and intra-national cooperation and will challenge conventional approaches to the creation and implementation of international and domestic legal regimes. The purpose of this unit is to analyse and evaluate the emerging legal rules and frameworks, both internationally and within Australia, for the regulation of greenhouse gas emissions and the minimisation of the adverse impacts of climate change.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 26hrs in total **Campus:** Gardens

Point

LWN174 Special Topic in Health Law - Mental Health

This unit will concentrate on the legislation and policies that govern the administration of mental health services in Queensland. Legislation and policies underpinning the operation of the Mental Health Court and the Mental Health Review Tribunal and associated review procedures will be examined in some detail. There will be considerable examination of the relationship between the mental health legislation and the operation of the criminal law and the procedures of involuntary civil commitment, detention, treatment and review. The unit will also compare legislation and policies with those governing selected interstate and international mental health systems and will measure these against relevant human rights standards.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 26hrs in total **Campus:** Gardens Point

LWN175 Special Topic in Public Law (International Criminal Justice)

Advanced level research frequently draws on the expertise of leading national and international researchers who visit the Law Faculty, as well as research developing out of activities (grants etc) in the Faculty or related entities (Centres of Excellence etc).

By enrolling in Special Topic in Public Law, Graduate Certificate in Law (LW60) students and Master of Laws (LW51) students can take advantage of the expertise of these acknowledged experts, enrol in this unit and gain knowledge in areas of interest that may only be available for a limited period of time at QUT, while at the same time counting this unit as part of a major in Public Law.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point

LWN176 Special Topic in Criminal Law

Countries worldwide are under increasing pressure to take effective steps, both individually and collectively, to tackle corruption and recover the proceeds of corruption. Australia is no exception. International efforts to address the problem culminated with the coming into force in December 2005 of the UN Convention Against Corruption (UNCAC). This is the first global instrument designed to tackle corruption in both the private and public sectors and it builds on a number of regional anti-corruption initiatives, including the Asia Development Bank/OECD Anti-Corruption Initiative for Asia-Pacific. In addition the Organisation for Economic Cooperation and Development (OECD) has been active within the setting of tackling corruption in international business, particularly through the OECD Convention on Combating Bribery of Foreign Public Officials in International Business Transactions (OECD Convention). Australia is a party to both Conventions.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 26 hours in total **Campus:** Gardens Point

LWN177 Special Topic in Technology Law

Advanced level research frequently draws on the expertise of leading national and international researchers who visit

the Law Faculty, as well as research developing out of activities (grants etc) in the Faculty or related entities (Centres of Excellence etc).

By enrolling in Special Topic in Technology Law, Graduate Certificate in Law (LW60) students and Master of Laws (LW51) students can take advantage of the expertise of these acknowledged experts, enrol in this unit and gain knowledge in areas of interest that may only be available for a limited period of time at QUT, while at the same time counting this unit as part of a major in Technology Law.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point

LWN178 Special Topic in Intellectual Property Law

Advanced level research frequently draws on the expertise of leading national and international researchers who visit the Law Faculty, as well as research developing out of activities (grants etc) in the Faculty or related entities (Centres of Excellence etc).

By enrolling in Special Topic in Intellectual Property Law, Graduate Certificate in Law (LW60) students and Master of Laws (LW51) students can take advantage of the expertise of these acknowledged experts, enrol in this unit and gain knowledge in areas of interest that may only be available for a limited period of time at QUT, while at the same time counting this unit as part of a major in Intellectual Property Law.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Gardens Point

LWN179 Copyright in the Digital Age

In the last decade the traditional copyright regime has been challenged on two fronts. First, by the growth of technological developments that make unauthorised copying even easier. Second, by more vocal opposition to intellectual property protection from developing nations, consumers, library associations, open source advocates, NGOs, internet service providers, digital manufacturers and others who have advocated for more balanced copyright protection. Legislators around the world have responded to these challenges with major reform to copyright law at both the national and international levels. Given the increasingly complex nature of copyright law in the digital age, it is necessary to not only be familiar with the current copyright law but to also understand both the international and policy context driving the reform agenda.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 2 hours per week **Campus:** Internet and External

LWN180 Open Licensing: New Models For Intellectual Property

The Internet and associated digital technologies provide us with an enormous potential to access and build information and knowledge networks. Information and knowledge can be communicated in an instant across the globe, cheaply and with good quality, by even the most basic Internet user. However intellectual property law, which takes its definition from international conventions and is similar in most countries, places significant restrictions on people's ability to take full advantage of this revolution. While the

technology has the capacity, the legal restrictions on the reuse of copyright and other intellectual property materials materially hamper its negotiability in the digital environment.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 2 hours in total **Campus:** Gardens Point and External

LWN181 Intellectual Property Litigation

Intellectual property (IP) is an expanding industry, with companies increasingly seeking to protect their intellectual property in designs, inventions, trade marks and other assets. This expansion has unsurprisingly seen a tussle over the breadth of IP rights between owners, competitors, consumers and others. Critical to the resolution of these tensions and the process of defining the boundaries between competing rights holders is IP litigation. Accordingly, in addition to understanding the law and theory underpinning IP rights, it is necessary to be familiar with IP litigation strategies.

Prerequisite(s): Bachelor of Laws or equivalent
Corequisite(s): Nil **Credit points:** 12 **Contact hours:** 2 hours in total **Campus:** Gardens Point

LWN182 Criminal Tribunals

Lawyers working within the criminal jurisdiction may be called upon to represent clients within a wide range of courts and tribunals. The study of criminal law at the undergraduate level typically focuses on the prosecution and defence of matters within the mainstream courts. Given that a significant number of matters take place within more specialist courts, usually catering for a special category of offender, it is essential for those practicing within the criminal jurisdiction to have a working knowledge of the law relating to the rules and procedures of these specialist courts. It is also important to understand the jurisprudence and juristic principles which inform the creation and operation of these fora.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 2 hours per week **Campus:** Gardens Point and External
Incompatible with: Nil

LWN401 General Introduction To Intellectual Property Law

Intellectual property law is of fundamental significance to the knowledge economy. It provides the legal framework for managing the creation, transfer and commercial transactions in intangible works. It has become a vital component of legal practice, but also has importance in the development of policy and practices internationally. This unit provides an overview of the key areas of intellectual property law, in order to demonstrate the scope of the law, and some of the key issues affecting the operation of the law in today's society.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 26 **Campus:** Gardens Point **Incompatible with:** Nil

LWN402 Patents and Biotechnological Inventions

In the modern world, commercial entities are increasingly faced with issues concerning the exploitation of and access to innovative products relating to information technology and biotechnology. This specialised area is of growing importance to government, industry and society more generally. This unit apprises IP experts of the workings of the patent system in a fast-changing, dynamic global

environment in the light of current economic, political and strategic innovations.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 26 **Campus:** Gardens Point **Incompatible with:** Nil

LWN403 Copyright and Related Rights

In the last decade, the traditional copyright regime has been debated on two fronts. First by the growth of technological developments that makes unauthorised copying even easier. Second by concerns voiced by developing nations, consumers, library associations, open source advocates, NGOs, internet service providers, digital manufacturers and others who have advocated for more balanced copyright protection. Legislators around the world have responded to these challenges with major reform to copyright law at both the national and international levels. Given the increasingly complex nature of copyright law in the digital age, it is necessary not only to be familiar with the current copyright law but also to understand both the international and policy context driving the reform agenda.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 26 **Campus:** Gardens Point
Incompatible with: Nil

LWN404 Trade Marks, Domain Names and Geographical Indications

Knowledge of trade mark law is integral to the understanding of, and practice in, the area of intellectual property law. In order to gain a sound understanding of trademark law, it is important to learn the statutory requirements and the associated procedures relating to registration of trade marks, domain names and geographical indications. This unit will also examine issues relating to infringements and the principles of law applicable here.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 26 **Campus:** Gardens Point
Incompatible with: Nil

LWN405 Industrial Designs and Plant Variety Protection

This Unit comprises two discrete branches of intellectual property law, viz., industrial designs law and law relating to protection of new plant varieties. However, the selection relating to industrial designs will be the major focus whereas plant varieties protection law will be covered at an introductory level.

Industrial designs are everywhere around us. They cover every industrial sector, ranging from textiles to furniture, packaging to jewellery, household goods to toys. This unit explores issues concerning the protection and exploitation of industrial designs facing lawyers today.

New plant varieties are of fundamental significance for production of sufficient and high quality food in the agricultural and horticultural fields. Sustainable agriculture and food security are dependent on provision of adequate legal protection of plant breeder's rights.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 26 **Campus:** Gardens Point **Incompatible with:** Nil

LWN406 Traditional Knowledge and other emerging issues; Interface between Antitrust and IP Rights

Intellectual property rights are being continuously reshaped to adapt to dramatic changes and are facing unprecedented challenges. In the knowledge and information technology age where knowledge and IP-based assets have become key factors in global competition and economic growth, intellectual property law has become a crucial crossover for several economical, scientific and political decisions and the awareness of the ethical implications connected to Intellectual Property law is constantly growing.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 26 **Campus:** Gardens Point **Incompatible with:** Nil

LWN407 Intellectual Property Management

It is of fundamental significance that the creation of new intellectual property and necessary registration (where appropriate), leads to production of new products or services for introduction into the marketplace. This usually occurs through the process of commercialisation. This unit investigates the key issues dealing with commercialisation of intellectual property in order to apply strategies that need to be put in place to transform the IP into new and useful products and services.

Prerequisite(s): Nil **Corequisite(s):** Nil **Contact hours:** 26 **Campus:** Gardens Point **Incompatible with:** Nil

LWN408 Research Project

This unit is the vehicle for you to undertake a structured, individual research project under supervision. The course requires that you are capable of using your initiative to manage a major research project to satisfy completion. The project is to be a substantial piece of work relevant to the course carried out on an individual basis, investigating and analysing the legal aspects of a real world intellectual property problem.

Prerequisite(s): Completion of 48 cpts of WIPO-QUT Master of Intellectual Property Law **Corequisite(s):** Nil **Campus:** Gardens Point **Incompatible with:** Nil

LWP107 Legal Institutions and Method

this unit is to be taken by a specific cohort of students only and is not available for "open" enrolment

LWP111 Advocacy Evidence and Ethics - 1

Credit points: 12

LWP137 Contracts B

Legally binding promises pervade society, from uncomplicated bargains like riding on a bus to complex multi-million dollar transactions. The law of contract provides an understanding of promises which are legally binding, how contractual promises may be characterised and the significance of that characterisation, and how contractual promises may be discharged or invalidated. This is the second of two associated units which examine the law of contract, the focus of this unit being on the discharge of contracts, remedies for breach and the invalidation of contracts. The two units together provide the foundation for several units encountered later in the course.

Prerequisite(s): LWB136 Contracts A **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 hours per week **Campus:** Gardens Point and External

LWP139 Select Issues in Torts

The law of torts is of primary importance in understanding how the Australian legal system operates to compensate the physical and/or financial harm one person suffers as a result of another's wrongdoing. Almost all law schools and professional admission authorities share this common view of the importance of this category of civil wrongs.

In the unit Fundamentals of Torts the principles and rules relating to the torts of negligence and trespass were examined in the context of whether these torts achieve outcomes which are consistent with contemporary legal and social values. In Select Issues in Torts a wider range of torts and related issues are examined so that you may develop the knowledge, understanding and skills necessary to maintain in the future, your abilities in this important area of legal practice.

Prerequisite(s): LWB138 Fundamentals of Torts **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 hours per week **Campus:** Gardens Point and External

LWP142 Law Society and Justice

The practice of law requires an understanding and appreciation of the historical origins of the concepts of rights and justice and how such concepts continue to be influenced by changing values within our society. In order to become effective legal practitioners, law graduates need to understand that society is rapidly changing and the law is also evolving, although often at a much slower pace. As a consequence, some groups within our society may be disadvantaged in the legal system. These notions guide the development of the policies underlying the law, and inform changes to law through legislative and judicial action. The unit is placed at the outset of the course to commence your training in legal thought processes such as the ability to think critically about the law and to introduce you to various skills important to legal practice such as oral communication.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 hours per week **Campus:** Gardens Point

LWP144 Laws and Global Perspectives

Modern Australian lawyers need to have an understanding of the legal rules which apply in jurisdictions outside of their own and how these rules influence Australian law and legal practice. Following on from Law, Society and Justice, which gave you an appreciation of the societal context in which the Australian legal system operates, this unit takes the next step, situating the law and legal practice in Australia within the broader global context and explaining how international and overseas legal systems impact on our own. The unit will introduce and explain the fundamental structures and principles of three areas of law which are essential to an appreciation of the global context in which the Australian legal system operates - public international law, comparative law, and private international law - and examine their relevance to contemporary legal practice in Australia.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 hours per week **Campus:** Gardens Point and External

LWP148 Torts B

This unit aims to build upon the knowledge, understanding and skills developed in Torts A through a more in-depth examination of a wider range of torts and related issues. It also aims to equip you with a more detailed and sophisticated knowledge and understanding of how this area of the law is likely to develop in the 21st Century. Integral to this is the development of your skills, necessary for the practice of law and your further studies of law, in legal problem solving, research and written communication and an understanding of ethical issues related to the practice of law.

Prerequisite(s): LWB147 **Corequisite(s):** LWB146

Credit points: 12 **Contact hours:** 3 hours **Campus:** Gardens Point and External **Incompatible with:** LWP139

LWR001 Thesis

Credit points: 36 **Campus:** Gardens Point

LWR003-1 Thesis

A dissertation is undertaken by students enrolled in LW50 Doctor of Juridical Science. 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.

Credit points: 24 **Campus:** Gardens Point and External

LWR003-2 Thesis

A dissertation is undertaken by students enrolled in LW50 Doctor of Juridical Science. 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.

Credit points: 24 **Campus:** Gardens Point and External

LWR003-3 Thesis

A dissertation is undertaken by students enrolled in LW50 Doctor of Juridical Science. 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.

Credit points: 24 **Campus:** Gardens Point and External

LWR003-4 Thesis

A dissertation is undertaken by students enrolled in LW50 Doctor of Juridical Science. 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.

Credit points: 24 **Campus:** Gardens Point and External

LWR003-5 Thesis

A dissertation is undertaken by students enrolled in LW50 Doctor of Juridical Science. 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.

Credit points: 24 **Campus:** Gardens Point and External

LWR003-6 Thesis

A dissertation is undertaken by students enrolled in LW50 Doctor of Juridical Science. 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.

Credit points: 24 **Campus:** Gardens Point and External

LWR003-7 Thesis

A dissertation is undertaken by students enrolled in LW50 Doctor of Juridical Science. 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.

Credit points: 24 **Campus:** Gardens Point and External

LWR003-8 Thesis

A dissertation undertaken by students enrolled in LW50 Doctor of Juridical Science. 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.

Credit points: 24 **Campus:** Gardens Point and External

LWR101 Thesis

Credit points: 12 **Campus:** Gardens Point

LWR103 Part-time Thesis Extension

Credit points: 24

LWS007 Introduction To Intellectual Property Law

Intellectual property protection is undoubtedly of paramount importance in the research, development and commercialisation of emerging technologies. Managers and researchers need to be aware of the different types of property that can be protected and how the property needs to be protected. There have also been significant developments in the field of intellectual property law in recent years. The concepts taught in Introduction to Intellectual Property Law are of significant relevance to persons intending to practice in the emerging fields of science.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** LSB309

LWS075 International Business and Law

This unit on international trade law addresses the broad range of legal problems that arise in the formation and operation of commercial transactions of an international nature. An understanding of the law and practice regarding international commercial transactions is a basic prerequisite for the development of Australian export activity, such activity being generally recognised as crucial to Australia's economic well-being. The importance of international trade law as a subject of legal study is attested to by the ever increasing number of courses offered on it at the

postgraduate level in Australian Law Schools.

Prerequisite(s): nil **Corequisite(s):** nil **Credit points:** 12 **Contact hours:** 39 hrs **Campus:** Gardens Point
Incompatible with: nil

MAB100 Mathematical Sciences 1A

To enrol you should have (1) at least Sound Achievement in 4 semesters of Mathematics B, or (2) a grade of least 4 in MAB105, or (3) the equivalent. This unit will reinforce the notion of a function with particular emphasis on polynomial, trigonometric, exponential and logarithmic functions including arithmetic and geometric progressions and the binomial theorem. Calculus will be reviewed and expanded with an emphasis on integration and on integration techniques and applications. Vectors and matrices will be introduced with vectors interpreted geometrically and algebraically and matrices as representations of linear systems, with applications. If time permits, complex numbers will be introduced. This unit is incompatible with HA in Senior Mathematics C.

Prerequisite(s): MAB105 or SA in Senior Maths B (or equivalent) **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** Prior pass in MAB180, MAB131, HA in Senior Maths C

MAB101 Statistical Data Analysis 1

This unit includes the following: collection and representation of data; explaining data with models; the normal (Gaussian) distribution; sampling distributions; properties of sample mean and sample variance; hypothesis testing re population mean; mean difference and variances; tests of independence; analysis of variance (ANOVA); aspects of design of experiments; modelling relationships between measurements using regression; extensions of regression; analysis of covariance; confidence intervals; estimating and tests of hypotheses about proportions and probabilities. Students must have completed four semesters of Senior Mathematics B with an exit level of Sound Achievement (or equivalent).

Prerequisite(s): Senior Mathematics B (4 semesters) or MAB105 or equivalent **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point
Incompatible with: BSB123, EFB101, MAB135, MAB136, MAB137, MAB138, MAB233, MAB893

MAB104 Introductory Quantitative Methods

Proportional reasoning, %'s, fractions, basic algebraic manipulations, solving simple equations, inequalities, absolute values, common functions, graphs; planning experiments, collecting and handling data; statistical software; graphs, plots and summaries, estimating probabilities; categorical data and chisquare tests; using normal distribution; sample mean and sample variance; confidence intervals and hypothesis tests for one and two means, variances and proportions; comparing more than two means: one-way analysis of variance (ANOVA), randomised blocks; twoway ANOVA; interaction; multiple comparisons; homogeneity of variance; normal assumptions. Prerequisite is Grade 10 Mathematics or equivalent. Incompatible with Senior Mathematics B or prior maths unit.

Prerequisite(s): Year 10 Mathematics or equivalent
Contact hours: 4 per week **Campus:** Gardens Point

Incompatible with: Senior Mathematics B, prior pass in any MAB unit, BSB122, EFB101

MAB105 Preparatory Mathematics

This unit is a substitute for Senior Mathematics B for those students who need the equivalent background for the successful study of units which assume it. It includes: basic number facts, natural numbers, integers, rational numbers, real numbers and their operations; basic algebra; functions and equations, graphs, linear functions, equations and applications; systems of linear equations; quadratic, exponential, logarithmic and trigonometric functions, properties and applications; introduction to calculus; rates of change, derivatives, rules of differentiation, second derivatives, maxima and minima and applications; integration and applications. This unit is incompatible with an exit assessment of High Achievement or better in Senior Mathematics B.

Prerequisite(s): Year 10 Level 6 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point
Incompatible with: MAB107, Prior pass in MAB100, MAB111, MAB131, MAB177, MAB180, MAB209, HA in Senior Maths B

MAB111 Mathematical Sciences 1B

Limits and continuity, including limits of rational functions, functions involving radicals, trigonometric functions; L'Hôpital's Rule; differentiation techniques - parametric, logarithmic; inverse functions and their derivatives; partial derivatives. Introduction to differential equations and mathematical modelling. Riemann sums, fundamental theorems of integral calculus; applications including solids of revolution and first-order-separable differential equations. Taylor series, Fourier series and applications. Students must have completed four semesters of Senior Mathematics C with an exit achievement of Sound Achievement, or have passed MAB100 (or equivalent).

Prerequisite(s): MAB100 or SA in Senior Maths C
Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point
Incompatible with: MAB131, MAB180

MAB112 Mathematical Sciences 1C

This unit includes the following: introduction to linear algebra including vectors, matrices and linear systems; the real and complex number systems; first and second order differential equations. Students must have completed four semesters of Senior Mathematics C with an exit level of Sound Achievement, or have passed MAB100 (or equivalent).

Prerequisite(s): MAB100 or Senior Mathematics C (or equivalent) **Corequisite(s):** MAB111 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

MAB131 Engineering Mathematics 1A

This unit includes the following: trigonometry, complex numbers, differentiation with applications, integration with applications, matrices, linear systems and vector algebra. Students must have completed at least four semesters of both Senior Mathematics B and C with an exit level of Sound Achievement (or equivalent).

Prerequisite(s): At least SA in both Senior Mathematics B and Senior Mathematics C or MAB100 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

Incompatible with: MAB180

MAB132 Engineering Mathematics 2A

This unit includes the following: vector calculus; differentiation of vectors; velocity and acceleration; relative velocity; vector algebra; equivalent systems of forces; functions of several variables; partial derivatives; hyperbolic functions; inverse functions; inverse trigonometric and hyperbolic functions; partial derivatives; numerical methods; differential equations; multiple integrals; areas and volumes; Laplace transforms; Fourier series.

Prerequisite(s): MAB131 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

Incompatible with: MAB182

MAB141 Mathematics and Statistics for Medical Science

This unit includes: mathematics (functions, limits and continuity; differentiation of functions; solutions of equation by iteration; interpolation methods; integration and applications of integration); statistics (data collection; exploring, presenting data and modelling data; Normal distribution; hypothesis testing and confidence intervals for means and proportions; 1-way and 2-way ANOVA; simple and multiple regression; design of experiments). These topics are presented in the context of medical science. Students must have completed four semesters of Senior Mathematics B with an exit level of Sound Achievement or better, or have passed MAB105.

Prerequisite(s): Senior Maths B or MAB105 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** MAB140

MAB180 Engineering Mathematics 1B

This unit includes: sine and cosine functions; logarithmic functions; exponential functions; complex numbers; determinants; vector algebra in 2 and 3 dimensions; derivatives and their applications (differentiation, chain rule, higher derivatives); integrals and their applications. Students must have completed four semesters of Senior Mathematics B with an exit level of Sound Achievement, or have passed MAB105 (or equivalent). Incompatible with MAB131. Students with an exit level of High Achievement or better in Senior Mathematics C are advised to take MAB131.

Prerequisite(s): At least SA in Senior Mathematics B (four semesters) or equivalent or MAB105 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

Incompatible with: MAB131, HA in Senior Mathematics C

MAB182 Engineering Mathematics 2B

Vector calculus: differentiation of vectors, velocity and acceleration. Functions of several variables: domain, range and graphs, partial derivatives. Hyperbolic functions: inverse functions, inverse trigonometric and hyperbolic functions, Taylor expansions. Differential equations: solving certain first and second order ODE's, Laplace transform methods, Fourier series. Multiple integrals: areas and volumes. Incompatible with MAB132.

Prerequisite(s): MAB180 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

Incompatible with: MAB112, MAB132

MAB210 Statistical Modelling 1

This unit includes: probability; independence; system reliability; using conditional probability in modelling; Bayes; introductory Markov chains; random variables and distributions; special distributional models; Bernoulli process; Poisson process; exponential; introductory queuing processes; expected values and moments; goodness-of-fit tests; measures of dependence; introductory bivariate and correlation properties; conditioning arguments.

Prerequisite(s): Senior Maths B **Corequisite(s):** MAB112 or MAB132 or MAB182 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

MAB220 Computational Mathematics 1

This unit includes: sources of error; computer arithmetic; solution of nonlinear equations in one variable; solution of systems of linear equations; interpolation; finite differences; numerical differentiation and integration; solution of first order linear differential equations; MATLAB programming. Students without an exit level of Sound Achievement in four semesters of Senior Mathematics C need to be concurrently enrolled in MAB100 if not completed earlier.

Prerequisite(s): MAB105 or SA in Senior Maths B

Corequisite(s): MAB100 or MAB131 or MAB180 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

MAB233 Engineering Mathematics 3

Module 1: Statistics: This unit includes: presentation of data; use of a statistical package; modelling data; relationships between variables; estimation; confidence intervals; tolerance limits; introduction to quality and SPC; hypothesis testing; fitting and investigating relationships; regression; design and analysis of experiments; reliability; further methods and applications of design and analysis of experiments. Module 2: Computational Mathematics: function approximation; polynomial interpolation; cubic splines; power series; numerical solution of ordinary differential equations; linear systems.

Prerequisite(s): MAB131 or MAB182 or MAB111 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

Incompatible with: MAB138, MAB136, prior pass in MAB101 + MAB220, prior pass in MAB135

MAB281 Mathematics for Computer Graphics

This unit introduces students to the mathematics involved in computer graphics, computer games and virtual reality. It is heavily reliant on analytic, Euclidean and projective geometries in 2D and 3D, elementary trigonometry, elementary linear algebra and elementary calculus. The unit will develop the mathematical concepts and where practicable show how these concepts are then applied in the field of computer graphics. Students must have completed four semesters of Senior Mathematics B with an exit level of Sound Achievement, or have passed MAB105 (or equivalent).

Prerequisite(s): ITB003 and Senior Mathematics B or MAB105 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

MAB311 Advanced Calculus

This unit includes the following: polar coordinates; parametric equations; conic sections; quadric surfaces;

vector-valued functions; Fourier series; functions of several variables; graphs; partial derivatives; total derivatives; extrema; Lagrange multipliers; Taylor series for multivariable functions; double and triple integrals; Green's theorems; line and surface integrals; divergence theorem; Stoke's theorem; applications.

Prerequisite(s): MAB111 and MAB112 or MAB132

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

MAB312 Linear Algebra

This unit covers the following broad topics from linear algebra: matrix analysis; eigenvalues and eigenvectors; vector spaces; inner product spaces.

Prerequisite(s): MAB111, MAB112 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

MAB313 Mathematics of Finance

This unit includes: interest rates; solution of problems in compound interest; applications of annuities; valuation of securities; quantitative techniques in business and finance. Students need to concurrently enrol in MAB111 unless already completed.

Prerequisite(s): MAB100 or SA in Senior Mathematics C

Corequisite(s): MAB111 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

MAB314 Statistical Modelling 2

This unit includes: models for stochastic processes and statistical methods, which have applications in engineering, information technology, finance, and physical and life sciences. Markov chains; random walks; branching processes; queueing processes; long-term behaviour of processes; use of generating functions; bivariate and conditional distributions; transformations of random variables; beta and gamma distributions; mixture distributions; order statistics, minimum and maximum.

Prerequisite(s): MAB101, MAB111, MAB112, MAB210

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

MAB315 Operations Research 2

This unit includes: general nature of operations research; formulating, solving and analysing linear programming models; transportation, trans-shipment and assignment models; project scheduling techniques (CPM and PERT).

Prerequisite(s): MAB112, MAB210 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

MAB413 Differential Equations

This unit includes: linear and nonlinear differential equations; series methods; Laplace transform; transforms of derivatives and integrals; systems of differential equations; basic theory on linear systems; solution of linear systems with constant coefficients; matrix methods; phase plane analysis.

Prerequisite(s): MAB134 or MAB311 or MAB312 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

MAB414 Applied Statistics 2

This unit includes: Simple linear regression (revision), multiple linear regression, making inferences from

regressions, choosing a model, checking model assumptions, general linear models - analysis of covariance, ANOVA revisited, designing experiments, issues in designing experiments, analysing experimental results, further experimental designs, assumptions, and how to cope if they aren't met, simulations.

Prerequisite(s): MAB101, MAB111 (Recommended MAB112) **Credit points:** 12 **Contact hours:** 4 per week

Campus: Gardens Point

MAB420 Computational Mathematics 2

This unit includes: direct methods for systems of linear equations; solution methods for special matrix systems (banded matrix systems, block-banded matrix systems, data structures and algorithms for storing and manipulating sparse matrices, reordering schemes); vector and matrix norms (basic theory and definitions, error bounds for direct methods, condition numbers); iterative methods for systems of linear equations (Jacobi, Gauss-Siedel, Successive Over-Relaxation, conjugate gradient); iterative methods for the eigenvalue problem.

Prerequisite(s): MAB220, MAB312 **Corequisite(s):** MAB480 or ITB003 or ITB849 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

MAB422 Mathematical Modelling

This unit includes models developed with the "real world" description. These models are taken from the areas of cancer research, population growth and engineering. Emphasis is on mathematical modelling and not on the development of new mathematical content.

Prerequisite(s): MAB111, MAB112 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

MAB461 Discrete Mathematics

This unit has three basic components. They are combinatorics, abstract algebra and number theory. Combinatorics, which is about 60% of the unit, will largely consist of enumeration techniques in variopis settings. Abstract algebra (~20%) will advance the student's knowledge of groups, rings and fields to include additive groups, multiplicative groups; polynomial rings, finite fields, isomorphisms, and homomorphisms. Number theory (~20%) will include methods of proof including induction and contradiction, modular arithmetic and congruence, gcd/lcm and theorems involving these, fundamental theorem of arithmetic, Fermat's theorems, Euler's theorem.

Prerequisite(s): MAB112 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

Incompatible with: MAB621

MAB480 Introduction to Scientific Computation

This unit teaches students how to implement a mathematical algorithm in a modern scientific computing environment (eg Matlab). A case-study approach is used with an emphasis on writing efficient code. Also an overview of other software packages used in mathematics will be given.

Prerequisite(s): MAB112 or MAB132 or MAB182 (Recommended: MAB210 or MAB220) **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

Incompatible with: MAB380, ITB849

MAB481 Visualisation and Data Analysis

This unit covers; history and evolution of data visualisation, definition of data visualisation, impact of data visualisation; fundamentals of computer graphics and modern day visualisation environments; visualisation of 2-D and 3-D data; general visualisation techniques including filtering; colour map transformations; contouring; height fields; coloured height fields; interpolation; Delauney triangulation; iso-surfaces; volume visualisation; probing; slicing; streamlines; streaklines and texture mapping; visualisation of multi-dimensional data; other data types such as finite element, vector, molecular and scatter data. Not offered after 2009.

Prerequisite(s): MAB101, MAB111, MAB480 or ITB003 (Highly Recommended: MAB112) **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

MAB521 Applied Mathematics 3

This unit includes: partial differential equations such as the wave, heat and Laplace equations; special functions (gamma, delta, Bessel and error functions, Legendre polynomials); vector analysis and applications (vector algebra, vector calculus, fields, grad, div, curl, line and surface integrals, divergence theorem, Stoke's theorem, applications); functions of a complex variable (analytic functions, contour integrals, Laurent series, residues).

Prerequisite(s): MAB311 or MAB601 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

MAB522 Computational Mathematics 3

This unit includes: deriving the basic equations that describe fluid motion; the finite volume method for solving PDEs (application to the generalised diffusion equation, cell-centred and vertex-centred schemes, handling of boundary and initial conditions); solution of systems of nonlinear equations (Newton's method, Inexact Newton methods, Globally convergent methods).

Prerequisite(s): MAB311, MAB420 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

MAB524 Statistical Inference

This unit includes: construction of likelihood function for independent observations; maximum likelihood estimation; properties of maximum likelihood estimates; confidence intervals based on likelihood; hypothesis testing using likelihood. Principles of Bayesian inference; construction of full probability model and derivation of posterior distribution, marginal and conditional posterior distributions; Bayesian inference for binomial data, Poisson count data and normal data; one- and two-sample problems and comparisons; simulation techniques for sampling from posterior distributions; independent sampling, SIR algorithm (importance sampling), and Gibbs sampling (dependent sampling using a Markov chain).

Prerequisite(s): MAB314, MAB414 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

MAB525 Operations Research 3A

This unit addresses inventory theory (stochastic and deterministic); algorithms for linear programming; integer and mixed integer programming; vehicle routing problems; deterministic and stochastic dynamic programming.

Prerequisite(s): MAB315 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

MAB533 Statistical Techniques

This unit builds on your knowledge and skills of statistical techniques and aims to provide you with an understanding and a working knowledge of some more specialised statistical techniques and their applications. Topics covered include quality management concepts and tools for statistical process control, modelling and analysis of reliability (for inanimate objects) and survival (for living entities), and multivariate techniques such as principal components analysis, discriminant analysis and cluster analysis.

Prerequisite(s): MAB210, MAB414 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point
Incompatible with: MAB523

MAB536 Time Series Analysis

This unit includes the following: fundamentals of time series analysis; time series models; nonstationary processes; seasonal ARIMA models; vector autoregression; long-range dependence and fractional ARIMA models; co-integration of nonstationary processes.

Prerequisite(s): MAB101, MAB314 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point
Incompatible with: MAB526, MAN526, MAN536

MAB613 Partial Differential Equations

This unit includes the following: derivation of certain partial differential equations; solution of partial differential equations by separation of variables, Laplace and Fourier transforms; Sturm-Liouville systems; special functions; Green's functions.

Prerequisite(s): MAB311, MAB413 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

MAB623 Financial Mathematics

This unit includes the following: quantitative techniques in business, economics and finance; theory and structure of interest rates; general accumulation and discounting functions; force of interest; discounting including Modern Portfolio theory and extension; varying interest; general annuities; varying annuities; continuous varying annuities; mathematical analysis of financial transactions in money and capital markets; life annuities and life assurances; the life table; basic life table functions; life annuities and assurances; policy values; paid up policy values; changes to policies; use of life table; superannuation.

Prerequisite(s): MAB311, MAB313 (Highly recommended: EFB210) **Credit points:** 12 **Contact hours:** 4 per week
Campus: Gardens Point

MAB624 Applied Statistics 3

This unit includes the following: design of experiments for factorial investigations (two and three-level factors, Taguchi's approach, fractions and blocking, response surfaces); general linear model; regression graphics; multi-stratum designs and analysis; repeated measures designs and analysis; linear-logistic and log-linear models; use of statistical software.

Prerequisite(s): MAB414 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

MAB625 Operations Research 3B

This unit includes: phases of an operations research study; decision analysis; queuing theory; simulation; implementation in operations research; heuristic techniques.

Prerequisite(s): MAB315 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

MAB640 Industry Project

For this unit, the student usually works in industry for a short period full-time, followed by part-time. The student is assisted to develop a suitable plan to manage the project using a Gantt chart or other flow or layout techniques. Students are expected to record progress and subsequently develop an accurate report and seminar presentation.

Prerequisite(s): Permission of Unit Coordinator

Corequisite(s): At least 36 credit points from 3rd level mathematical sciences units **Credit points:** 24

Campus: Gardens Point

MAB672 Advanced Mathematical Modelling

Models are developed beginning with the description of 'real world' problems. Emphasis is on the mathematical modelling and not on the development of new mathematical techniques. The unit includes: mathematical modelling; model formulation; dimensional analysis and re-scaling; curves of pursuit; bungee jumping; modelling with systems of ordinary differential equations; phase plane methods for analysing systems of ODEs; bacterial growth in a chemostat; predator-prey models with harvesting; limit cycles; oscillations and excitable media; modelling with partial differential equations; motion of a continuum; continuity; traffic flow; aggregation of slime mould amoebae; momentum; ideal gas dynamics; quasi-linear PDEs.

Prerequisite(s): MAB312, MAB422 (Recommended: MAB413) **Credit points:** 12 **Contact hours:** 4 per week

Campus: Gardens Point

MAB681 Advanced Visualisation and Data Analysis

This unit covers contemporary issues in data visualisation and it introduces you to advanced scientific data visualisation tools. A significant portion of the unit is based around a project and you, individually or in small teams, will undertake a project topic that is of interest. The project requires background research, investigation, analysis, development of project proposal, and presentation of the project outcomes.

Prerequisite(s): MAB481 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

Incompatible with: MAN681

MAB730 Surveying Mathematics 2

This unit includes: systems of linear equations; Gaussian elimination; matrix inversion, properties of inverses; partial pivoting; error propagation; determinants; properties of determinants; rank; compact (direct) and iterative (indirect) methods for solving linear systems; Eigenvalues of 2x2 and 3x3 matrices; diagonalisation; quadratic forms; conic sections; Lagrange interpolation; divided differences; cubic splines; least squares methods; two-dimensional interpolation methods; fixed-point iteration, Newton's method and Quasi-Newton methods.

Prerequisite(s): MAB100 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Gardens Point

MAN200 Mathematical Foundations

This unit is intended to cater for students who may not have studied mathematics for some years and who are enrolled in postgraduate coursework in mathematical science. The unit is tailored to suit individual needs. Content may be organised into modules and may also include material delivered in a workshop for industry participants.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

MAN201 Mathematics

This unit caters for students who need more than one mathematics unit to provide the necessary background for studying more advanced units in postgraduate coursework in mathematical science. Students may use material from one first level undergraduate material with extension material or combine content from more than one first level unit.

Corequisite(s): MAN200 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

MAN536 Time Series Analysis

The following core content will be covered: fundamentals of time series analysis; time series models; nonstationary processes; seasonal ARIMA models; vector autoregression; long-range dependence and fractional ARIMA models; co-integration of nonstationary processes. The computer package S-Plus will be used to implement and simulate the models and techniques developed throughout the unit.

Prerequisite(s): MAB101, MAB314 **Credit points:** 12

Campus: Gardens Point **Incompatible with:** MAB526, MAB536, MAN526

MAN624 Applied Statistics

This unit includes the following: fractional factorial designs, blocking, aliasing; development of basic statistical software (eg SAS) programming skills; modelling continuous responses using regression techniques, diagnostics, transformations, model choice and plots; modelling binary data and proportions using linear logistic models; modelling count data using loglinear models; modelling survival data and hazard modelling using loglinear models; data analysis and inference techniques based on simulation techniques, such as the bootstrap; non-linear regression techniques such as regression trees.

Prerequisite(s): MAB414 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

Incompatible with: MAB624

MAN681 Advanced Visualisation and Data Analysis

This unit covers contemporary issues in data visualisation and it introduces you to advanced scientific data visualisation tools. A significant portion of the unit is based around a project and you, individually or in small teams, will undertake a project topic that is of interest. The project requires background research, investigation, analysis, development of project proposal, and presentation of the project outcomes.

Prerequisite(s): MAB481 (Highly Recommended: MAB380 or MAB480) **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:**

MAB681

MAN700 Project

This project is based on a problem from the student's workplace or interests. Permission to enrol in this unit must be obtained from the Course Coordinator.

Prerequisite(s): Permission from Course Coordinator
Credit points: 24 **Campus:** Gardens Point

MAN717 Minor Project

This project may be related to that undertaken in MAN700 or in MAN787 or in a separate area. It must be self-contained and is assessed separately. Permission to enrol in this unit must be obtained from the Course Coordinator.

Prerequisite(s): Permission from Course Coordinator
Credit points: 12 **Campus:** Gardens Point

MAN761 Analysis

This unit includes: convergence in \mathbb{R} ; uniform convergence; Lebesgue integral; convergence theorems; L_p -spaces; metric spaces; completeness and compactness; contraction mappings; normed and Banach spaces; dual spaces; linear operators; Hilbert spaces; Hilbert-adjoint operator; linear operator equations; spectrum of a linear operator.

Prerequisite(s): MAB311 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

MAN764 Applied Mathematical Modelling

This unit enables students to develop and practice mathematical modelling skills by considering topical problems from current research activities and beyond the discipline of mathematics. Some of the problems considered include the dispersion of a pollutant in a river, waves of pursuit and evasion, Turing mechanisms and the generation of spatial patterns in biological or biochemical systems. A notable emphasis of this unit is the collaborative development of mathematical models for novel problems.

Prerequisite(s): MAB613, MAB672 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point

MAN765 Bayesian Data Analysis

This unit includes: basics of Bayesian statistical inference; frequentist and Bayesian inference for basic statistical models; multiparameter models and hierarchical Bayesian models; resampling and simulation; Markov chain Monte Carlo and related simulation methods; directed acyclic graphical models as probability models; use of BUGS software; model and simulation diagnostics; generalised linear models and mixed models; missing data models; spatial data models.

Prerequisite(s): MAB524 (Recommended: MAB624 or MAN624) **Credit points:** 12 **Contact hours:** 3 per week
Campus: Gardens Point **Incompatible with:** MAB765

MAN766 Applied Time Series Analysis

This unit introduces you to the modern tools of Time Series Analysis. It covers both linear and nonlinear time series models; state-space models; generalised state-space models; the Kalman recursions for filtering, prediction and smoothing; applications to business and financial time series. The unit will develop the mathematical and statistical concepts and show how these concepts are then applied in practical situations.

Prerequisite(s): MAB524, and one of MAB536 or MAN536 or MAB526 or MAN526 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

MAN768 Advanced Techniques in Operations Research

This unit includes the following: inventory systems modelling, material requirement planning, just-in-time production; production planning and scheduling, including static and dynamic methods, aggregate planning, LP/LDR/SDR techniques; resources allocation; heuristics; operations scheduling, including sequencing and balancing techniques, job shop scheduling, assembly line balancing; NP-completeness.

Prerequisite(s): MAB525 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

MAN769 Mathematics of Finance

This unit includes: the stock market; basic option theory; the Black-Scholes analysis; Brownian motion; Ito's lemma and stochastic calculus; the Black-Scholes market model and option valuation formula; bond valuation and interest rate models; mathematical aspects of the capital asset pricing model.

Prerequisite(s): MAB413 (Recommended: MAB623)
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MAB769

MAN771 Computational Mathematics 4

Topics selected from: conservation equations for fluid motion; boundary and initial conditions; finite difference methods for diffusion equations (difference formulae, consistency, order, stability, convergence); finite volume methods (application to diffusion equations; cell-centred and vertex centred schemes); solution of advection-diffusion equations (monotonicity, stability, TVD schemes, upwinding, flux limiting); numerical optimisation (line search, trust region methods; Steepest descent, Newton, Quasi-Newton, Conjugate Gradients; constrained optimisation; KKT conditions; active set methods, penalty functions; specially structured problems; nonlinear least squares; quadratic programmes; the augmented Lagrangian; sequential quadratic programming algorithms).

Prerequisite(s): MAB522, MAB613 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point

MAN774 Perturbation Methods

This unit includes: regular and singular perturbation expansions; asymptotic expansions, strained coordinates; boundary layer analysis and matched asymptotic expansions; selected examples from industrial applications and mathematics applied in medicine and biology.

Prerequisite(s): MAB413, MAB521 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point

MAN775 Statistical Modelling of Financial Processes

This unit includes the following: Wiener process; martingales; Markov processes; stochastic integrals and stochastic calculus; equivalent martingale measure; stochastic differential equations (SDE); the martingale-SDE approach to option pricing; replicating portfolio; statistical estimation of stochastic volatility via ARCH/GARCH-type models; quasi-likelihood estimation of long-range dependence and non-Gaussianity in financial processes.

Prerequisite(s): MAB524, MAB526 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point

MAN777 Mathematics of Fluid Flow

The mathematics of fluid flow involves solving ordinary and partial differential equations arising as simplifications of the Navier-Stokes equations. Approximation techniques for flows in thin layers are also considered as well as approximations of flows of low and high viscosity. Questions addressed include: why a spinning cricket ball swerves in the air; how much does a blockage in an artery or vein increase the pressure; and why is there no solution for flow past a cylinder for zero Reynolds number.

Prerequisite(s): MAB613 **Corequisite(s):** MAB672
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

MAN778 Applications of Discrete Mathematics

This unit has two main areas of study. The first is advanced abstract algebra with applications that include the solvability by radicals of polynomial equations, and ruler and compass constructions such as squaring the circle and trisecting an angle. The second area is advanced number theory and includes the topics of divisibility, congruence, multiplicative functions, primitive roots, quadratic residues and applications to cryptology including the RSA algorithm.

Prerequisite(s): MAB461 or MAB621 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point

MAN787-1 Project

This project is research-based and involves writing a thesis and giving an oral presentation. Permission to enrol in this unit must be obtained from the Course Coordinator.

Prerequisite(s): Permission from Course Coordinator
Credit points: 12 **Campus:** Gardens Point

MAN787-2 Project

This project is research-based and involves writing a thesis and giving an oral presentation. Permission to enrol in this unit must be obtained from the Course Coordinator.

Prerequisite(s): Permission from Course Coordinator
Credit points: 12 **Campus:** Gardens Point

MAN787-3 Project

This project is research-based and involves writing a thesis and giving an oral presentation. Permission to enrol in this unit must be obtained from the Course Coordinator.

Prerequisite(s): Permission from Course Coordinator
Credit points: 12 **Campus:** Gardens Point

MDB001 Foundation: Scientific and Quantitative Literacy

It is recognised that Mathematics and Science play crucial roles in the functioning of modern society through their contribution to our understanding of our physical, social and personal worlds, and their usefulness in solving problems a wide range of problems. As students engage with the content of the unit, for example, number, time, astronomy, navigation, measurement, geometry, probability, they will recognise that each is a discipline with a language and methods of thinking that have evolved in historical and social contexts. Knowledge of both areas is important for people to be critically reflective thinkers and active

participants in society, and for their life long learning.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12
Campus: Kelvin Grove and Caboolture
Incompatible with: MDB386, MDB387

MDB002 Teaching Primary Mathematics 1

Mathematics is an essential key learning area of the primary school curriculum. Mathematics is closely linked to numeracy, but it extends beyond the day-to-day demands of society. Mathematics underpins and assists in the growth of technology, economics and finance, communication, and the new science of biotechnology.

All students complete two units of Mathematics Education. Mathematics Education I focuses on the teaching of numbers, operations, and measurement. The content considers the role of technology in these three strands.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove and Caboolture
Incompatible with: MDB373

MDB003 Teaching Primary Mathematics 2

This unit investigates new ideas in the teaching and learning of the above topic areas. Students study the development of conceptual understanding in the areas of space and shape, chance and data, and pre-algebra with a particular emphasis on understanding the 'big' mathematical ideas and principles behind these topics.

Prerequisite(s): MDB002 **Corequisite(s):** Nil **Credit points:** 12
Campus: Kelvin Grove and Caboolture
Incompatible with: MDB374

MDB004 Teaching Primary ICT

Information and Communication Technologies (ICT) play a significant role in contemporary society and therefore technological literacy is increasingly being seen as an essential part of education. This form of literacy involves the ability to create, use, manage and understand ICT in a range of contexts. In addition, new networked technologies have brought about the potential for expanding learning opportunities. These necessitate the re-examination of effective learning and teaching principles, the role of the learner, the role of the teacher, creating worthwhile partnerships and the use of ICT within the learning situation.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12
Contact hours: 3 per week **Campus:** Internet, Kelvin Grove and Caboolture
Incompatible with: MDB383

MDB005 Teaching Primary Design and Technology

This unit is designed for students to explore content, pedagogical content knowledge and pedagogies important in design and technology education.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12
Campus: Kelvin Grove and Caboolture

MDB006 Teaching Primary Science

Becoming scientific and technologically literate contributes to learners' capabilities as life-long learners by providing them with the knowledge and dispositions to question systematically their natural environment. In the prerequisite unit about Mathematics and Science Foundations, grounding in some basic concept areas that help to explain

children's everyday experiences of the natural world and an understanding of the nature of science was explored. In this unit the opportunity is presented for students to develop exciting and innovative science programs at all levels of the primary school with a focus on developing scientific skills and abilities to retrieve and explore new scientific knowledge.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Internet, Kelvin Grove and Caboolture **Incompatible with:** MDB384

MDB010 Biology Curriculum Studies 2

This unit provides an opportunity to develop as a learner-centred teacher who can plan to meet the needs of individual students in a varied, stimulating and safe environment.

Prerequisite(s): MDB009 or MDB031 **Credit points:** 12 **Campus:** Kelvin Grove

MDB013 Chemistry Curriculum Studies 2

This unit encourages students to develop as a learner-centred teacher who can plan to meet the needs of individual students in a varied, stimulating and safe environment. Students also develop a critically reflective orientation to their teaching experiences.

Prerequisite(s): MDB012 or MDB031 **Credit points:** 12 **Campus:** Kelvin Grove

MDB015 Computing Curriculum Studies 1

Computing is now an integral part of secondary education and information and communications technologies (ICTs) are used in all subject disciplines. This unit (the first of three computing curriculum studies units) introduces students to how ICT can be used to create meaningful learning experiences for students in teaching with, about and through computers.

Prerequisite(s): 24 credit points in appropriate discipline studies **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

MDB016 Computing Curriculum Studies 2

Computing is now an integral part of secondary education and information and communications technologies are used in all subject disciplines. This unit builds on the understandings and skills development of the prerequisite and introduces students to the discrete syllabi that constitutes the senior secondary computing curriculum in Queensland secondary schools.

Prerequisite(s): MDB015 **Credit points:** 12 **Campus:** Kelvin Grove

MDB017 Computing Curriculum Studies 3

This unit builds on the previous two units and prepares students to teach the subjects within the senior secondary computing curriculum in Queensland secondary schools.

Prerequisite(s): MDB016 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

MDB019 Earth Science Curriculum Studies 2

This unit encourages students to develop as a learner-centred teacher who can plan to meet the needs of individual students in a varied, stimulating and safe

environment. Students develop a critically reflective orientation to their teaching experiences.

Prerequisite(s): MDB018 or MDB031 **Credit points:** 12 **Campus:** Kelvin Grove

MDB021 Mathematics Curriculum Studies 1

Teachers of middle and secondary school mathematics need a range of understandings and skills to be effective practitioners in the complex social and technological environment of the classroom. This unit introduces students to the teaching and learning of mathematics at the secondary school level. It begins development of students' knowledge and understanding of the secondary mathematics curriculum and their curriculum development skills. The unit is an important component of preparation for Field Studies 1.

Prerequisite(s): 24 credit points in appropriate discipline studies **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

MDB022 Mathematics Curriculum Studies 2

This unit develops students' understanding of the school mathematics curriculum and extends their knowledge and understanding of inclusive learner-focused approaches to mathematics curriculum development.

Prerequisite(s): MDB021 **Credit points:** 12 **Campus:** Kelvin Grove

MDB023 Mathematics Curriculum Studies 3

This unit extends students' knowledge and understanding of mathematics curriculum with an emphasis on catering for the range of students engaged in secondary education, inclusive practices and diagnosis of mathematical learning difficulties.

Prerequisite(s): MDB022 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

MDB025 Physics Curriculum Studies 2

This unit provide an opportunity for students to develop as a learner-centred teacher who can plan to meet the needs of individual students in a varied, stimulating and safe environment. Student develop a critically reflective orientation to their teaching experiences.

Prerequisite(s): MDB024 or MDB031 **Credit points:** 12 **Campus:** Kelvin Grove

MDB028 Science Curriculum Studies 2

This unit encourages students to develop as a learner-centred teacher who can plan to meet the needs of individual students in a varied, stimulating and safe environment. Students develop a critically reflective orientation to their teaching experiences.

Prerequisite(s): MDB027 or MDB031 **Credit points:** 12 **Campus:** Kelvin Grove

MDB030 Understanding and Educating Gifted Learners

This elective addresses the education of gifted students by exploring the appropriate curriculum interventions necessary to meet their specific needs. Some 10-15% of students are identified as gifted and these require specialist educational interventions to ensure that the curriculum offers the appropriate challenge to develop their potential and to avoid boredom, frustration or underachievement. In

order to establish appropriate curriculum and pedagogical approaches an understanding of the nature of giftedness is also necessary.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

MDB031 Science Education Curriculum Studies 1

This unit is to provide you with opportunities to examine praxis in science classrooms in order to help you develop principles for the establishment and management of effective science learning environments.

Prerequisite(s): 48 cps of appropriate discipline studies
Corequisite(s): Nil **Credit points:** 12 **Campus:** Kelvin Grove

MDB033 Science Education Curriculum Studies 3

This unit is to provide opportunities for you to develop an understanding of the theoretical underpinnings of a selection of strategies and resources used in the teaching of science.

Prerequisite(s): Relevant Curriculum Studies 2 unit
Corequisite(s): Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

MDB120 Mathematics Curriculum and Pedagogies

This unit provides content knowledge and pedagogical strategies to promote the mathematical development (both cognitive and social) of students' future pupils.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

MDB320 Database Theory And Techniques

This unit addresses the following: the logical and physical models of information systems; characteristics; use of structured query language to query existing curriculum databases and construct new ones; the sociological implications of the utilisation of public and private databases.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

MDB321 Information System Modelling In Educational Contexts

This unit examines the modelling of information systems, relational systems, fact oriented approaches and conceptual schema design.

Prerequisite(s): MDB320 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

MDB322 Computer Systems For Teachers

This unit includes the following: examination of single and multi-user operating systems; interaction with computer systems and management of stored information; definition and implementation of algorithms in suitable language; selection of computable representation for real world concepts and application in computer programs; hierarchy of levels of abstraction; adoption of abstracted views of real world information processing or problem-solving situations; capabilities and limitations of conventional, sequential processing machine architectures.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

MDB323 Programming Languages For Teachers

This unit examines further software developments, techniques of program development, top-down design and modularity and computer programming using appropriate languages.

Prerequisite(s): MDB345 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

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 these courses 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 employ a range of powerful programming techniques and structures in the development of educational computer software.

Prerequisite(s): MDB322 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

MDB349 Excursions in Mathematical Reasoning

This unit includes the following: 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.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

MDB371 New Horizons in Teaching Science

Contemporary science education is facing many challenges in our knowledge society. One major challenge is to achieve a scientifically literate populace. Another is to enthuse and capture the interest of students to pursue careers in the sciences. Capturing the interests of students is foremost in assuring that national priorities related to science education are achieved. This unit provides you with the opportunity to extend your ability to plan innovative, inquiry-based curricula that are student centred, engaging and achieve high level outcomes for all students. In this unit you will be encouraged and supported to explore innovations that are personally relevant and will position you to become a leader in science education.

Prerequisite(s): Nil **Corequisite(s):** Nil

MDB372 Excursions Into Science

MDB377 Project Plan And 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.

Prerequisite(s): MDB392 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

MDB388 Numeracy in Games of Skill and Chance

This unit considers the development of probabilistic ideas and concepts through the playing and analysis of games of change and skill.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

MDB391 Earth And Space

This 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 are investigated.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

MDB392 Educational Computing Environments

This unit engenders an awareness of the fundamental principles in the use of computer systems used in educational environments as well as understandings that serve as a basis for further study.

Prerequisite(s): Nil **Corequisite(s):** Nil **Campus:** Kelvin Grove

MDB440 Computers And Education

This unit provides an overview of microcomputer hardware and software with an emphasis on the usefulness of various components in schools. It considers the use of educationally valuable application software and critically examines a variety of uses of computers in education including the impact of computers on society and education in particular.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet

MDB453 Mathematics Curriculum 2: Middle Years and Vocational

This unit assists students to develop a deeper understanding of mathematical content applicable to the middle school and the ways that the content may be integrated into other key learning areas.

Prerequisite(s): 2 units of tertiary mathematics or equivalent **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External

MDB454 Science, Technology and Society

This unit investigates the interactions and effects that exist between modern science, technology and society both from a social and historical viewpoint. Advances such as the advent of the Internet, genetic modification and nanotechnology are discussed within a context of globalisation, global communications and social change. The unit also includes a study of the nature of science and

technology and the nature of scientific knowledge. A major feature of the unit involves groups of students developing and delivering 'a hypothetical' on a contemporary science and technology issue affecting society.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

MDB455 Mathematics in Life and Work

Credit points: 12

MDN642 Digital Pedagogies

This unit includes a critical investigation of digital pedagogies and the changes they are making to the role of the teacher, and the interactions between students, teachers and subject content. The unit assists students in designing and moderating worthwhile learning experiences in online environments or physical environments that make use of digital technologies.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet

MDN643 Digital Perspectives

This unit includes a comprehensive examination of relevant theory, research, policy, and/or practice in the mediation of learning and communication through technology. Students are encouraged to critique the rhetoric and reality of ICT integration in learning networks.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet

MDN644 Digital Expectancies: Innovative Practices With Emerging Technologies

This unit will formalise understandings of digitally expectant learners and how emergent technologies can be used to meet their needs, preferences, attitudes and habits. It will investigate the nature and affordances of emergent technologies and apply this understanding to a learning context.

Credit points: 12

MDN645 Digital Leadership: Policy and Planning For the Future

Digital leadership is much more than resource acquisition and management. The new opportunities and chances of digital learning have great significance for the future of our information and learning society. To be an effective leader one needs to look within and beyond their organisations to determine the right direction for action.

Credit points: 12

MDP452 Middle Years: Mathematical Understandings

This unit will provide the content knowledge and pedagogical strategies to promote mathematical development (both cognitive and social) in the middle phase of learning. The unit will provide a theoretical framework and the opportunity to participate in collaborative problem tasks. There will be a focus on students developing a broader range of thinking and reasoning processes as they work with the mathematical content. Students will be encouraged to critically evaluate ideas, reflect on their learning and freely express personal viewpoints.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:**

12 **Campus:** Internet and Kelvin Grove

MDP453 Middle Years: Transdisciplinary Science and Technology

This unit aims to develop the skills and understandings required to integrate science and technology KLAS across the curriculum and create meaningful learning experiences that cater for the diverse needs of middle years students.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

MDP455 Business Education Curriculum Studies 2 (ICT)

This unit is the second in a suite of three complementary units which can be undertaken in ICT Education. It has been designed to expand on previous planning and teaching strategies with a major focus on assessment. Students will examine the QSA Senior ICT Syllabus to understand mandatory aspects of the syllabus and will prepare students for their professional role as a teacher of secondary ICT education subjects.

Prerequisite(s): CLP402 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

MDP456 Mathematics Education Curriculum Studies 1

This unit provides an introduction to the learning and teaching of mathematics and to begin the development of your understanding of learning environments conducive to the effective learning of mathematics.

Prerequisite(s): 48 cps of appropriate discipline studies **Credit points:** 12 **Campus:** Internet and Kelvin Grove

MDP457 Mathematics Education Curriculum Studies 2

This unit is to further develop your understanding of the school mathematics curriculum and to extend your knowledge and understanding of inclusive learner-focused approaches to mathematics curriculum development.

Prerequisite(s): MDP456 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

MDP458 Mathematics Education Curriculum Studies 3

This unit extends your knowledge and understanding of mathematics curriculum with an emphasis on catering for the range of students engaged in secondary education, inclusive practices and diagnosis of mathematical learning difficulties.

Prerequisite(s): Nil **Corequisite(s):** MDP457 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

MDP459 Science Education Curriculum Studies 1

This unit is to provide you with opportunities to examine core educational theory in order to understand the basis for teaching and learning in science and thus establishing and managing effective learning environments.

Prerequisite(s): 48 cps of appropriate discipline studies **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

MDP460 Science Education Curriculum Studies 2

This unit is to provide an opportunity for you to develop as a learner-centred teacher in the context of senior schooling, who can plan to meet the needs of individual students in a varied, stimulating and safe environment.

Prerequisite(s): MDP459 **Corequisite(s):** Nil **Credit**

points: 12 **Campus:** Internet and Kelvin Grove

MDP461 Science Education Curriculum Studies 3

This unit is to provide opportunities for you to understand the theoretical underpinnings of an extensive range of strategies and resources used in the teaching of science.

Prerequisite(s): Nil **Corequisite(s):** MDP460 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

MDP462 Biology Curriculum Studies 2

This unit provides an opportunity to develop as a learner-centred teacher who can plan to meet the needs of individual students in a varied, stimulating and safe environment.

Prerequisite(s): MDP459 **Corequisite(s):** Nil **Credit points:** 12

MDP463 Chemistry Curriculum Studies 2

This unit encourages students to develop as a learner-centred teacher who can plan to meet the needs of individual students in a varied, stimulating and safe environment. Students also develop a critically reflective orientation to their teaching experiences.

Prerequisite(s): MDP459 **Corequisite(s):** Nil **Credit points:** 12

MDP464 Earth Science Curriculum Studies 2

This unit encourages students to develop as a learner-centred teacher who can plan to meet the needs of individual students in a varied, stimulating and safe environment. Students develop a critically reflective orientation to their teaching experiences.

Prerequisite(s): MDP459 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

MDP465 Physics Curriculum Studies 2

This unit encourages students to develop as a learner-centred teacher who can plan to meet the needs of individual students in a varied, stimulating and safe environment. Students develop a critically reflective orientation to their teaching experiences.

Prerequisite(s): MDP459 **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

MEN101 Research Methodology

Basic research methodology is an essential component for any student expected to undertake research. This unit provides the basic knowledge of research, qualitative and quantitative research methodologies and a range of techniques to enable students to become critical users of existing knowledge as well as research findings.

Credit points: 12 **Campus:** Gardens Point

MEN102 Advanced Mechanical Engineering Studies

Students undertaking Masters level study of engineering require advanced research skills relating to the evaluation, organisation and presentation of information, data analysis, experimental design and instrumentation. This unit provides some of the advanced skills fundamental to mechanical engineering research that are required to undertake the research project and specialised studies units in the ME80 course.

Campus: Gardens Point

MEN103 Mechanical Engineering Specialised Unit 1

Professional engineers in the workplace are often required to undertake independent enquiry in very specific areas of mechanical engineering science. To do this they require the skills to retrieve information and experience in self directed learning, independent analysis and investigation. This unit allows students to pursue, in greater depth, a particular area of mechanical, medical or infomechatronics engineering through self-directed learning, thereby developing their independent learning capabilities and expanding their knowledge of a chosen area of study.

Campus: Gardens Point

MEN104 Mechanical Engineering Specialised Unit 2

Professional engineers in the workplace are often required to undertake independent enquiry in very specific areas of mechanical engineering science. To do this they require the skills to retrieve information and experience in self directed learning, independent analysis and investigation. This unit allows students to pursue, in greater depth, a particular area of mechanical, medical or infomechatronics engineering through self-directed learning, thereby developing their independent learning capabilities and expanding their knowledge of a chosen area of study.

Campus: Gardens Point

MEN105 Mechanical Engineering Specialised Unit 3

Professional engineers in the workplace are often required to undertake independent enquiry in very specific areas of mechanical engineering science. To do this they require the skills to retrieve information and experience in self directed learning, independent analysis and investigation. This unit will allow you to pursue in greater depth a particular area of mechanical, medical or infomechatronics engineering through self-directed learning, thereby developing your independent learning capabilities and expanding your knowledge of a chosen area of study.

Campus: Gardens Point

MEN170 Systems Modelling and Simulation

This unit introduces the following: the concept of a model and model building; techniques for the solution of the models; examples of analytical models such as inventory models, Markov chains, queuing models; simulation as a decision making tool; modelling for simulation and practical exercises in simulation using computer simulation software in the areas of manufacturing systems and maintenance.

Contact hours: 32 hours over a two week block

Campus: Gardens Point

MEN171 Advanced Manufacturing Technologies

This unit includes the following: an 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, online computer aided inspection, automation integration, support technologies and planning for CIM.

Contact hours: 32 over a two week block

Campus:

Gardens Point

MEN172 Cost Analysis and Asset Management

This unit provides students with the following skills: analyse cost and understand different costing methods and their implications; evaluate engineering decisions under different cost allocation methods; appreciate the role of variance analysis as a management tool; estimate cash flows; make lease versus buy decisions and budgeting; life-cycle costing and economic asset management and life cycle costing.

Contact hours: 32 hours over a 2 week block

Campus:

Gardens Point

MEN175 Energy and Environmental Management

This unit considers energy resources and usage in the context of global energy issues. Greenhouse, climate change and ozone layer depletion are covered because they are effecting energy are covered because they are effecting Engineering Practice. Specific topics include the following: properties and testing methods of solid, liquid and gaseous fuels; combustion calculations; flue gas analysis; energy tariffs and audits; major applications of energy management, for example buildings, process plant, compressed air systems, vehicle fleets; economic evaluation of energy projects; introduction and management of energy saving programs. Environmental aspects will be considered for each topic. Assessment includes an energy audit of a commercial/industrial site.

Contact hours: 32 hours over a two week block

Campus: Gardens Point

MEN177 Total Quality Management

This unit provides students with an understanding of the underlying philosophy and practice of TQM including learning some basic tools for quality control. Topics covered include the following: quality as a competitive strategy; the evolution of quality management; elements of quality management; continual improvements; customer measurements; managing change; total employee participation; bench marking, statistical process control, theory of constraints, Taguchi methods.

Contact hours: 32 hours over a two week block

Campus: Gardens Point

MEN190-1 Project

In this unit a substantial piece of work relevant to the course is carried out by each student on an individual basis. A report is examined and marked by an academic supervisor in consultation with an industrial supervisor.

Campus: Gardens Point

MEN190-2 Project

In this unit a substantial piece of work relevant to the course is carried out by each student on an individual basis. A report is examined and marked by an academic supervisor in consultation with an industrial supervisor.

Campus: Gardens Point

MEN241 Reliability and Maintenance Management

This unit addresses the following: overview of maintenance responsibilities and tasks; organisation for maintenance; creating a maintenance plan with reliability; availability;

maintainability; repair pools; spare parts inventory management; cost downtime; downtime reduction; planning shutdowns/turnarounds; performance measures; documentation and document control; configuration management; computer based maintenance management systems; total productive maintenance (TPM); condition monitoring; strategic asset management.

Contact hours: 32 hours over a two week block
Campus: Gardens Point

MEN272 Enterprise Resources Planning

The aim of this unit is to provide students with an understanding of the underlying philosophy and practice of resources planning. Topics covered include the following: functions and inter-relationships between the major components - demand analysis, production and operations planning and control, resource planning and control - manufacturing requirements planning (MRPII); supply chain management; total enterprise approach to business management. These principles are extended to the processing and service industries such as mining, oil, chemical and food processing, and to enterprises such as hospitals and airports.

Contact hours: 32 over a two week block **Campus:** Gardens Point

MEN280 Engineering Project Management

The aim of this unit is to provide students with an understanding of the underlying philosophy and practice of project management. Topics covered include the following: the definition of project management; organisational structures; project planning; feasibility analysis; project organisation; contracts; project control; risk analysis; project termination.

Contact hours: 32 hours over a two week block
Campus: Gardens Point

MGB200 Leading Organisations

This unit introduces you to a range of perspectives in understanding human behaviour and its context within organisation structures. The unit also enables you to interpret, analyse, evaluate and explain conditions and consequences of work in organisations with a view to understanding and appreciating complex management issues in day to day experiences in business.

Prerequisite(s): BSB115 or CTB115 **Credit points:** 12
Contact hours: 3 **Incompatible with:** MGB211, CTB211, MGB222, CTB232

MGB201 Contemporary Employment Relations

This unit will develop your skills in understanding the effects of both domestic and international legal environments relating to employment relationships. This is important for developing practical, workable business strategies and HRM interventions

Prerequisite(s): BSB115 or CTB115 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point

MGB207 Human Resource Issues and Strategy

This unit provides a broad overview of the role and functions of human resource management (HRM) and explores the contribution of HRM to business performance and quality of work life. This unit gives you a foundation for professional

practice in HRM and a practical introduction to the ways that organisations go about aligning the contributions of their people with business goals.

Prerequisite(s): BSB115 or CTB115 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: CTB207

MGB210 Managing Operations

This unit extends general management approaches to the production operations subsystems of service and manufacturing organisations. The unit focuses on the deployment of productive resources in order to maximise the added value of services and products. Issues of quality and efficiency are considered analytically in terms of broader strategies and constraints. It considers the opportunities that new technology brings to operational strategies in both manufacturing and service. Project management principles are considered in relation to resource deployment and continuous improvement.

Prerequisite(s): BSB115 or CTB115 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: CTB234

MGB211 Organisational Behaviour

The unit examines theory and research related to individual and collective human behaviour in organisations. A multi-level approach that focuses on individuals, groups, the organisation as an entity, and the relationship among these elements is adopted. In addition, the unit addresses major themes in the field and provide students with an opportunity to use the body of knowledge to diagnose, interpret and understand issues within these themes. This unit helps students to understand the role that people, as individuals and in groups, play in organisations and to apply this knowledge in creating more effective and efficient work places.

Prerequisite(s): MGB220 or AMB201 or CTB201
Corequisite(s): MGB220 or AMB201 or CTB201
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: CTB211

MGB212 Sustainability in a Changing Environment

This unit provides participants with an opportunity to investigate selected and critical issues in the relationship between business activity and the imperative of creating sustainable futures. The unit draws on interdisciplinary sources to encourage the development of a systemic view that incorporates global, corporate, and personal levels of analysis. The unit prepares participants to make a significant contribution to the sustainable development of organisations and society. The unit will be of value to business and non-business students seeking careers in private, public, and not-for-profit sectors.

Prerequisite(s): BSB115 or CTB115

MGB218 Managing Business Growth

Entrepreneurial management is becoming a critical skill for rapidly growing small and medium sized enterprises (SMEs) and for small business units (SBUs) in large corporations. This unit examines and compares the venture growth processes for entrepreneurial managers. This unit focuses on the post start up issues for the entrepreneurial venture. It considers the rapid growth issues in the identification,

analysis and learning processes for SMEs.

Prerequisite(s): 96 credit points of approved study
Contact hours: 3 per week **Campus:** Gardens Point

MGB220 Business Research Methods

The unit will develop your understanding of business research methods so that you can undertake research into workplace issues and problems as well as being able to critically analyse the appropriateness of research findings for the real world.

Prerequisite(s): BSB115 or CTB115 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: AMB201, CTB201, COB334, COB203, EFB105

MGB221 Performance and Reward

This unit examines the key human resource management functions of job analysis, performance management and compensation management from a strategic perspective with a view to optimising individual and organisational performance. A substantial level of analytical and professional competence is expected in this unit, which is a key to the integration of HR processes and organisational requirements.

Prerequisite(s): MGB207 or CTB207 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MGB328

MGB222 Managing Organisations

This unit develops an understanding of the organisation in both its internal and external environment and the demands of managing the organisation's resources and performance. It raises contemporary issues in management and their implications for competitive advantage, focusing on various organisational sub-systems including HR, technology, structure and design. This unit provides a foundation of knowledge for the management and HRM majors. In this unit there is a focus on strategy, leadership and internationalisation.

Prerequisite(s): BSB115 or CTB115 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** CTB232

MGB223 Entrepreneurship and Innovation

This unit introduces students to the nature and characteristics of entrepreneurship and innovation and explores the inter-relationship between the two within contemporary economies from managerial perspective. Learning will be directed towards developing the theoretical and applied knowledge, skills, and attitudes that will support and enhance innovation and enterprise creation activity, through the development of a business plan. The unit is designed for those individuals interested in creating a new venture or working in industries as employees of venture owners or those that serve this sector. Students will have opportunity to build a comprehensive plan of their business concept.

Prerequisite(s): BSB115 or CTB115 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Incompatible with: CTB223

MGB225 Intercultural Communication and Negotiation Skills

The course develops students' abilities to identify and resolve problems in cross-cultural communication or negotiation situations where cultural differences have created misunderstandings or undesirable or unexpected outcomes. It first explores the concept of 'national culture' by considering the work of major theorists of cultural value dimensions - from Hall to Schwartz. Students are encouraged to analyse communication/negotiation process issues in terms of these value dimensions and to practise managing the process of communication/negotiation to improve their outcomes.

Prerequisite(s): BSB115 or CTB115 or BSB124 **Credit points:** 12 **Contact hours:** 3 **Incompatible with:** IBB205

MGB306 Independent Study

This unit 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. Either individually or in small groups, students 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 an alternative deemed acceptable by the supervisor.

Prerequisite(s): 96 credit points of approved study
Credit points: 12 **Contact hours:** Flexible Mode
Campus: Gardens Point

MGB309 Strategic Management

In this unit fundamental elements of strategy, which can be used in the decision making process, are placed in a framework that is developed within the particular context of Australia's economic development position. The emphasis is upon process and content issues that affect the strategic performance and positioning of the organisation. This involves creating an understanding of the universal building blocks of competitive advantage at the business, corporate and international levels. By understanding the nature and determinants of competitive and strategic advantages, students should enhance their professional competences to be able to take a more strategic and critical perspective.

Prerequisite(s): MGB200 or MGB211 or CTB211 or MGB222 or CTB232 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Carseldine
Incompatible with: MIB314, CTB309

MGB310 Sustainability in A Changing Environment

This unit provides participants with an opportunity to investigate selected and critical issues in the relationship between business activity and the imperative of creating sustainable futures. The unit draws on interdisciplinary sources to encourage the development of a systemic view that incorporates global, corporate, and personal levels of analysis. The unit prepares participants to make a significant contribution to the sustainable development of organisations and society. The unit will be of value to business and non-business students seeking careers in private, public, and not-for-profit sectors.

Prerequisite(s): MGB200 or MGB211 or CTB211 or MGB222 or CTB232 **Credit points:** 12 **Contact hours:** 3 **Incompatible with:** MGB212

MGB314 Organisational Consulting and Change

Managing change is a fundamental skill required by prospective managers and professionals. This unit provides opportunities for students to develop a theory in practice orientation to consulting to individuals, groups, and organisations. Hence content theory and process theory is addressed. The focus of this unit is on human process issues and change. The unit examines a range of human process interventions designed to improve organisational effectiveness. Attention is also given to change strategies that are socially and culturally inclusive. Graduates of this unit should be able to be productive members of organisational change teams.

Prerequisite(s): MGB211 or CTB211 or MGB222 or CTB232 or MGB200 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Carseldine

MGB315 Personal and Professional Development

This unit develops personal, interpersonal and professional competencies (in both cognitive and affective domains) necessary for a human resource or management professional. It develops personal awareness and understanding, interpersonal competencies, and professional skills. This unit also examines influence processes, negotiation and conflict resolution and stress management. It emphasises the design of processes to achieve outcomes and skills of reflective practice. The focus is on developing skills to enhance individual competence and leadership skills to enhance effectiveness.

Prerequisite(s): MGB211 or CTB211 or MGB222 or CTB232 or MGB200 **Contact hours:** 3 per week **Campus:** Gardens Point and Carseldine

MGB320 Recruitment and Selection

This unit examines the most effective techniques for recruiting and selecting the best people for organisations, in the context of current pressures on attracting and keeping skilled, talented people in the workforce. Commonly used recruitment and selection techniques are covered, emphasising the validity and reliability of each technique, to enable the best strategies to be developed.

Prerequisite(s): MGB339 or MGB221 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

MGB324 Managing Business Growth

This unit is designed to provide skills in the analysis, solutions and implementation of the general management issues that SME owners have to manage in their growing operations. The unit brings together the different functional aspects of managing an established SME and how they are best managed from the owner's (general manager's) point of view. It also provides opportunity to bring students into contact with real world SME owners and their venture management issues.

Prerequisite(s): MGB223 **Credit points:** 12 **Contact hours:** 3 **Incompatible with:** MGB218

MGB331 Learning and Development in Organisations

This unit is designed to equip you with the skills and knowledge to meet strategic organisational human resource development requirements. The unit explores learning and development concepts and approaches and the role of learning and development as a strategic partner to

management. You will learn how to design, implement and evaluate systems for learning in organisations as part of a strategic approach to human resource development.

Prerequisite(s): MGB211 or CTB211 or MGB222 or CTB232 or MGB200 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** MGB217

MGB334 Managing in a Changing Environment

This unit provides students with conceptual and analytic tools required for managing changing environments. The emphasis is on developing an understanding of the management competencies required for managing flexibility, innovation and change. The unit moves beyond a focus on 'dot.com companies' to examine how a range of organisations both small and large are engaging issues associated with an increasing emphasis on technology.

Prerequisite(s): BSB212 or MGB222 or CTB232 or 96 credit points of approved study **Contact hours:** 3 per week **Campus:** Gardens Point and Carseldine **Incompatible with:** BSB312, CTB334

MGB335 Project Management

This unit develops knowledge in the areas relating to effective management of projects (as distinct processes). This knowledge is gained by focusing on the central issues of project selection, modelling, planning, control and evaluation. Case study projects are used throughout the unit and are mainly from the services industry sector. The unit seeks to develop the technical skills (tools and techniques) as well as the people (behavioural) skills needed for effective management of projects.

Prerequisite(s): MGB210 or MGB211 or CTB211 or MGB222 or CTB232 or MGB200 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Incompatible with:** CTB335

MGB338 Workplace Learning

This unit entails a structured program of workplace learning in which students are exposed to a variety of organisational issues. For the duration of their experience, students work on a specific HRM project of relevance to their host organisation. Building upon knowledge acquired in the HRX major, students' exposure to HRM in an actual organisational setting enhances understanding of links between theory and practice and develops skills and abilities through a professional learning experience.

Prerequisite(s): Enrolment in HRX major, Minimum GPA of 4 **Credit points:** 12 **Contact hours:** 120 hours in workplace and 12 at university **Campus:** Gardens Point

MGB339 Performance and Reward

This unit will provide you with the basic competencies expected of HR practitioners in managing performance and reward/compensation systems, which are among the most important strategies used by organisations to support competitive advantage. Performance and Reward Management is a key functional area of HRM and it is imperative that you understand the strategic framework within which these decisions are made.

Prerequisite(s): MGB201 or CTB201 or MGB207 or CTB207 **Credit points:** 12 **Contact hours:** 3 **Incompatible with:** MGB221

MGB340 International Business in the Asia-Pacific

Australia is situated in the fastest growing region in the world - the Pan-Pacific rim. The aim of this unit is to meet the needs of future business professionals working internationally and particularly within the Pan-Pacific region, to understand the nature of this region's business environment.

Prerequisite(s): MGB225 or IBB205 or IBB217 or IBB208
Credit points: 12

MGB370 Personal and Professional Development

This unit develops personal, interpersonal and team skills that distinguish outstanding human resource, management and other professionals. Recent literature has identified the need for professionals to acquire knowledge in the areas of self management and the management of others to contribute to organisational performance. To achieve this, Personal and Professional Development is positioned at the conclusion of the course to build upon concepts learned in introductory and intermediate units with a strong focus on the application of theory to practice.

Prerequisite(s): MGB331 or MGB200 or MGB211 or CTB211 or MGB222 or CTB232
Credit points: 12
Contact hours: 3
Incompatible with: MGB315

MGN409 Introduction to Management

This unit examines the following: 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; and important problems, opportunities and trends facing managers in Australia analysed from the viewpoint of relevant academic disciplines.

Prerequisite(s): postgraduate enrolment only
Credit points: 12
Contact hours: 3 per week
Campus: Gardens Point
Incompatible with: GSN401

MGN410 Employment Relations

This unit looks at the following: employment 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; and the resources required for mobilising change in this area.

Credit points: 12
Contact hours: Flexible Mode
Campus: Gardens Point

MGN412 People in Organisations

This subject aims to provide a broad understanding of organisational behaviour as a base for future study and practice of management. It moves from a micro-perspective on individual behaviour through the interface between the individual and the organisation to overall characteristics of organisations which shape the behaviour of their members. The aim is to provide an understanding of why employees feel and act the way they do in organisations and considers methods for enhancing positive employee attitudes and behaviours and organisational effectiveness. The emphasis

is on understanding basic assumptions and models, major theoretical issues, methods of measurement and practical implications.

Credit points: 12
Contact hours: 3 per week
Campus: Gardens Point
Incompatible with: GSN409; GSN419

MGN421 Strategic HRM

HRM is concerned with the relationship between people management strategies and organisational goals and objectives. This capstone unit provides HRM students with the opportunity to apply their learning to this relationship in a systematic way. It requires them to produce high quality HRM advice that provides direction for practicing line managers consistent with organisational goals and objectives. The learning strategies in the unit challenge students to identify contemporary issues of organisation and management and to interpret these using the paradigms of HRM.

Prerequisite(s): Postgraduate enrolment only; MGN427 or u/g specialisation in HRM advisable
Credit points: 12
Contact hours: Flexible Mode
Campus: Gardens Point

MGN423 Contemporary Strategic Analysis

This unit focuses upon developing managers' understanding of the strategy concept and placing the fundamental elements of strategy in a framework for use in the decision making process. Taking the perspective that many managers make decisions that can have strategic implications, the emphasis is upon studying those issues that can affect the strategic positioning of the organisation. This involves creating an understanding of the universal building blocks of competitive advantage at the business, corporate and international levels. By understanding the nature and determinants of competitive and comparative advantages, students will be well positioned to take a more strategic perspective in their organisational activities.

Prerequisite(s): U/G specialisation in Business or Commerce or equivalent entry to BS93
Credit points: 12
Contact hours: 3 per week
Campus: Gardens Point
Incompatible with: BSN407, MGN504

MGN427 Human Resource Management

This unit is designed to introduce students to the importance of human resource management for the effectiveness of organisations operating in complex and/or global environments and the quality of work life. The subject examines human resource management from multiple consistency, functional and strategic perspectives. It utilises an open systems model to introduce some of the key processes of personnel management, which are treated at a theoretical and skill level. The subject fosters knowledge, analytical and operational competencies.

Prerequisite(s): postgraduate enrolment only
Contact hours: 3 per week
Campus: Gardens Point

MGN429 Staffing Policies and Strategies

This unit examines and critiques staffing policies and processes from both strategic and technical perspectives with a focus on improving organisational staffing to enhancing organisational effectiveness and capability. Measurement issues associated with recruitment and personnel selection techniques are examined and the application of selection techniques to a range of contexts

and occupational groups is explored.

Prerequisite(s): postgraduate enrolment only
Corequisite(s): MGN427 **Contact hours:** 3 per week
Campus: Gardens Point

MGN430 Strategic Performance Management

This unit provides the competencies expected of advanced HR practitioners and managers. It provides a theoretical basis for the performance management function of HRM as well as addressing the issue of employee rewards and compensations. It identifies from a strategic management perspective the uses of and the relations between various HRM functions for optimising individual and organisational performance.

Prerequisite(s): postgraduate enrolment only
Corequisite(s): MGN427 **Contact hours:** 3 per week
Campus: Gardens Point

MGN431 Strategic Human Resource Development

Strategic HRD provides a theoretical and practical framework for planning and implementing HRD within today's organisations. It examines the critical theoretical approaches underpinning learning and skills development and relates these in a practical way to the HRD challenges faced by organisations. This unit also provides exposure to contemporary international HRD ideas and practices to develop an understanding of the contribution of HRD to the broader economic context.

Prerequisite(s): postgraduate enrolment only
Corequisite(s): MGN427 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

MGN433 Managing High-Performance Organisations

Managing High-Performance Organisations is designed to provide a bridge between HRM-discipline specific and strategic/general management perspectives. The unit is therefore a centrepiece of the postgraduate HRM program. The unit serves the vitally important role of locating HRM in to its broader organisational and general management context. It also aims to develop advanced level business knowledge and skill and develop conceptual frameworks for integration and high level impact of HRM with business success and performance.

Prerequisite(s): MGN409 or approval from HRM co-ordinator **Credit points:** 12 **Contact hours:** 3
Campus: Gardens Point

MGN440 Designing Effective and Sustainable Organisations

Credit points: 12

MGN441 Leadership and Executive Coaching

MGN442 Self Leadership

Credit points: 12

MGN443 Talent Management

MGN505 Consulting and Change Management

This unit considers 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.

Prerequisite(s): postgraduate enrolment only **Credit points:** 12 **Contact hours:** Flexible Mode **Campus:** Gardens Point

MGN506 Contemporary Issues in HRM

The main objectives of this unit are to identify, analyse and report on contemporary issues in HRM and to research information relevant to identified topics. The 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.

Prerequisite(s): postgraduate enrolment only **Credit points:** 12 **Contact hours:** Flexible Mode **Campus:** Gardens Point

MGN507 Contemporary Issues in Management

In this unit students examine in detail advanced theory and issues from their chosen field of study. Such study may include any of the following: 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, the special expertise of the staff (including visiting scholars and distinguished business leaders) and the specific needs from thesis proposals.

Prerequisite(s): postgraduate enrolment only **Contact hours:** flexible mode **Campus:** Gardens Point

MGN509 HRM Project 1

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.

Prerequisite(s): postgraduate enrolment only **Credit points:** 12 **Contact hours:** Flexible Mode **Campus:** Gardens Point

MGN510 HRM Project 2

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.

Prerequisite(s): postgraduate enrolment only **Contact hours:** flexible mode **Campus:** Gardens Point

MGN524 Special Topic in Management 1

In this unit students 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 on the issue examined and the academic member(s) involved (including short-term visiting academics).

Prerequisite(s): postgraduate enrolment only **Credit points:** 12 **Contact hours:** Flexible Mode **Campus:** Gardens Point

MGN528 Special Topic in Human Resource Management 1

In this unit students 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 on the issue examined, and the academic member(s) involved (including short-term visiting academics).

Prerequisite(s): postgraduate enrolment only **Credit points:** 12 **Contact hours:** flexible Mode **Campus:** Gardens Point

MMB004 Infomechatronics Project

This unit aims to develop the student's capability to apply mechanical engineering and management principles in solving a real world industry problem. Students are required to practice theoretical, analytical and experimental techniques taught in previous years of the course and also demonstrate practical skills in synthesis/design and manufacture as well as project management. Topics include problem definition and solution, literature review, and industry research

Credit points: 36 **Campus:** Gardens Point

MMB232 Materials Technology

Topics covered in this unit include: industrial shaping of metals; solidification theory and phase transformations; revision of iron-carbon phase diagrams; steels and heat treatments; casting - alloys, defects; and microscopic examination of materials; fundamentals of ferrous metallurgy; non-ferrous metallurgy; welding and joining technologies; non destructive testing; engineering with ceramics; processing and properties of polymers; composite materials; optical materials; fracture mechanics, fracture, aigue and creep.

Prerequisite(s): MMB131 **Contact hours:** 6 per week
Campus: Gardens Point

MMB252 Thermofluids

Topics covered in this unit include the following: operation and testing of engines; first and second laws of Thermodynamics; properties of working fluids including equations and tables; heat engine cycles, compressors and expanders; multi stage compression; laboratory and interests; fluid properties, forces on stationary and moving fluids; flow behaviour, pressure drops, Reynolds number; theory and applications of energy equations; power transmissions in fluids; laboratory.

Prerequisite(s): MAB132, CEB109 **Contact hours:** 6 per week **Campus:** Gardens Point

MMB300 Project 2T

The aim of this unit is to provide students with the capability to understand mechanical engineering principles and apply them to the formulation and solution of specific engineering problems in design and development tasks. The unit involves the application of mechanical engineering principles and the communication of ideas orally and in the presentation of a formal report.

Credit points: 12 **Campus:** Gardens Point

MMB302 Project 2T

The aim of this unit is to provide students with the capability to understand mechanical engineering principles and apply them to formulate and solve specific engineering problems in design and development tasks. The task may involve investigation in applied research projects or industrial based projects. Students acquire the ability to communicate solutions orally and in a formal report form.

Campus: Gardens Point

MMB311 Mechanics 3

This unit covers two separate Mechanical Engineering disciplines: the study of vibration in machines and structures and the study of automatic plant control. Students gain an understanding of transient behaviour of mechanical systems. In many instances it is the transient loads in machines or departures from the design operating condition in process plants that causes mechanical failure or unacceptable departure from product specifications. In the vibration module, the unit covers single degree of freedom systems, damped vibration, multi-degree of freedom systems with steady and transient vibrations.

Prerequisite(s): MAB133, MMB112 **Credit points:** 12
Contact hours: 6 per week **Campus:** Gardens Point

MMB312 Mechanical Measurement

This units deals with measurement techniques and instrumentation systems required in mechanical engineering applications. It covers the basic knowledge of static and dynamic mechanical measurements with an emphasis on the measurement of position/velocity/acceleration, stress/strain, force/torque/power, vibration/noise and pressure/flow/temperature. It also covers hands-on experience in measurement techniques and instrumentation.

Prerequisite(s): MAB105, EEB112, EEB220 **Contact hours:** 4 per week **Campus:** Gardens Point

MMB313 Mechanical Engineering Studies

The objectives of this unit are to provide students with revision in basic knowledge in mathematics and mechanics of solids to enable smooth articulation into the advanced standing programs and provide sufficient background in the application of knowledge for the use in the latter part of the course and project work. The subject matter covered includes second order ordinary differential equations; eigenvalue extraction; moments of inertia; Fourier series; basic statics; analysis of beams; torsion; two-dimensional stress analysis; thin-walled pressure vessels; yield criteria.

Contact hours: 6 per week **Campus:** Gardens Point

MMB351 Thermodynamics

Topics covered in this unit include: review of basics: steam cycles and plant; nozzles, impulse and reaction turbines; gas turbines - basic and refined cycles; mixtures and Dalton's Law; refrigeration cycles and plant; chemistry of combustion and water treatment; conduction, convection and radiation; condensation and boiling; forced and free convection; analysis of heat exchangers.

Prerequisite(s): MMB252, MMB352 **Contact hours:** 6 per week **Campus:** Gardens Point

MMB353 Tribology

This unit builds upon the design units in the courses. Topics covered include: introduction to tribology and fundamentals of dry contact mechanics; specification and measurement of surface topography; review of the fundamentals of friction and the modes of wear; regimes of lubrication (hydrodynamic, hydrostatic, boundary and elastohydrodynamic); properties of lubricants, including additives; Bearing design (fluid film journal and thrust pad bearings); lubrication of gears, rolling element bearings, human and prosthetic joints; lubricant degradation and reclamation; rapidly biodegradable products; advanced condition monitoring techniques.

Prerequisite(s): MMB381, MMB382 **Contact hours:** 4 hours **Campus:** Gardens Point

MMB375 Industrial Engineering

This unit develops skills and understanding in the concepts and techniques of engineering facilities planning and location, productivity and its measurement and improvement, and job design with due consideration to ergonomics. Topics include introduction to industrial engineering, engineering process, facilities planning and design, material handling, and productivity and performance methods.

Campus: Gardens Point

MMB376 Professional Practice (Engineering Management)

The unit introduces students to the basic concepts and theory in engineering management. Students develop an understanding of real life problems and applications of engineering management. Students also develop people skills, management skills, and oral and written communication skills.

Campus: Gardens Point

MMB400 Industry Project

Professional engineers are required to manage projects and this unit provides a vehicle for students to undertake a structured, individual project program under supervision and within industry. The BE(Mech) course (like any engineering course) requires that students are capable of using their initiative to manage a major project to satisfactory completion. The project is to be a substantial piece of work relevant to the course and carried out by each student on an individual basis. It is to investigate and analyse a real technological or managerial problem in mechanical engineering and apply solutions that take into consideration both technological and economic factors. Students are required to present seminars and a final thesis.

Credit points: 48 **Contact hours:** 40 **Campus:** Gardens Point

MMB401-1 Project

Professional engineers are required to manage projects and this unit provides a vehicle for students to undertake a structured, individual project program under supervision. The BE(Mech) course (like any engineering course) requires that students are capable of using their initiative to manage a major project to satisfactory completion. The project is to be a substantial piece of work relevant to the

course and carried out by each student on an individual basis. It is to investigate and analyse a real technological or managerial problem in manufacturing engineering and marketing and apply solutions that take into consideration both technological and economic factors. Students are required to present seminars and a final thesis.

Credit points: 24 **Campus:** Gardens Point

MMB401-2 Project

Professional engineers are required to manage projects and this unit provides a vehicle for students to undertake a structured, individual project program under supervision. The BE(Mech) course (like any engineering course) requires that students are capable of using their initiative to manage a major project to satisfactory completion. The project is to be a substantial piece of work relevant to the course and carried out by each student on an individual basis. It is to investigate and analyse a real technological or managerial problem in manufacturing engineering and marketing and apply solutions that take into consideration both technological and economic factors. Students are required to present seminars and a final thesis.

Credit points: 24 **Campus:** Gardens Point

MMB402-1 Engineering Management Project

Students undertake a project applying mechanical engineering and management principles to solve a real world industry problem.

Credit points: 24 **Campus:** Gardens Point

MMB402-2 Engineering Management Project

Students undertake a project applying mechanical engineering and management principles to solve a real world industry problem.

Credit points: 24 **Campus:** Gardens Point

MMB409-1 Project

Professional engineers are required to manage projects and this unit provides a vehicle for students to undertake a structured, individual project program under supervision. The BE(Medical) course (like any BE course) requires that students are capable of using their initiative to manage a major project to satisfactory completion. The project is to be a substantial piece of work relevant to the course and carried out by each student on an individual basis. It is to investigate and analyse a real technological or managerial problem in medical engineering and apply solutions that take into consideration both technological and economic factors. Students are required to present seminars and a final thesis.

Credit points: 24 **Campus:** Gardens Point

MMB409-2 Project

Professional engineers are required to manage projects and this unit provides a vehicle for students to undertake a structured, individual project program under supervision. The BE(Medical) course (like any BE course) requires that students are capable of using their initiative to manage a major project to satisfactory completion. The project is to be a substantial piece of work relevant to the course and carried out by each student on an individual basis. It is to investigate and analyse a real technological or managerial problem in medical engineering and apply solutions that

take into consideration both technological and economic factors. Students are required to present seminars and a final thesis.

Credit points: 24 **Campus:** Gardens Point

MMB412 Finite Element Analysis

Design engineers must be exposed to modern techniques of analysis for design evaluation and optimisation. The finite element method provides a means of achieving this goal. Topics covered in this unit include the following: introduction to the finite element method; introduction to simple models of material and structural behaviours; the Galerkin finite element approximation technique for model differential equations; finite element and their characteristics; interpolation and shape functions and their relevance in FEA. All students are introduced to a commercial software package and carry out analysis of engineering problems using the software.

Prerequisite(s): MMB311 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

MMB413 Industrial Noise and Vibrations

The unit is concerned with the study of methods of noise and vibration measurement and control in industry. Students are required to be capable of modelling and predicting noise and vibration in an industrial environment. Topics covered include the following: instrumentation and measurement of noise and vibration; behaviour and analysis of sound waves; measurement of noise and noise criteria; attenuation from barriers and screens; behaviour of sound in room; sound transmission through partition and noise reduction through partition; vibration generation and transmission; measuring vibration and analysis; instrumentation; vibration condition monitoring; balancing of rotating machines.

Prerequisite(s): MMB311 **Contact hours:** 4 per week
Campus: Gardens Point

MMB430 Advanced Materials

Topics covered include: materials selection for weight critical applications; aluminium and its alloys, principles of age hardening, aluminium-lithium alloys, issues in processing aluminium; light alloys - magnesium, titanium alloy groups and uses; fibre composite materials - Young's modulus, strength and fracture, fibre composites, design with composites; introduction to thin film deposition - physical and chemical vapour deposition, sol-gel deposition, thin film analysis and microstructure; ceramic structures and processing - classification of structures, structure-property relationships, defects in ceramics, ceramic processing; special topics in the field.

Prerequisite(s): MMB232 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

MMB450 Air Conditioning

Topics covered in this unit include: detailed analysis of psychrometric and refrigeration cycles; calculation of building cooling loads; air conditioning and refrigeration plant machinery and heat exchangers; ductwork design; application in systems operation.

Prerequisite(s): MMB252 **Contact hours:** 4 per week
Campus: Gardens Point

MMB451 Energy Management

Topics covered in this unit include: the systematic process by which energy use is monitored and analysed; individual treatment of electricity, fuels and their properties, compressed air, buildings, cycle requirements, pinch technology, energy recovery equipment; financial analysis of proposals. Environmental aspects will be considered for each topic.

Prerequisite(s): MMB252 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

MMB461 Process System Design

This unit involves the design of various process plant equipment such as piping systems (including control of fluid flow via pumps and valving, support systems and pipe stressing), pressure vessels such as heat exchangers and cooling towers. It introduces students to the pumping of slurries, according to relevant codes.

Prerequisite(s): MMB351, MMB352 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

MMB470 Engineering Asset Management and Maintenance

Engineers are often involved in the management of substantial amounts of plant, machinery and similar assets. In today's capital intensive industries, maintenance is a major cost element, and the efficiency of operations is heavily influenced by equipment reliability and maintenance effectiveness. The engineer needs to know how to organise maintenance and how to create and implement effective asset management and maintenance plans. This unit includes the following: engineering asset management policy statement; overhaul and replacement of engineering assets; organisation for maintenance; maintenance planning and control; failure mode and effect analysis; reliability, maintainability and availability analysis; risk assessment; spare parts inventory management.

Contact hours: 4 per week **Campus:** Gardens Point

MMB471 Computer Integrated Manufacturing

Topics covered in this unit include: introduction of the concepts of strategic planning for computer integrated manufacturing; concepts of advanced manufacturing technologies and the various components of computer integrated manufacturing system; the importance of concurrent engineering in the context of CIM; introduction to the principles of modelling and simulation techniques as a design and evaluation tool for manufacturing systems.

Prerequisite(s): MMB371 **Contact hours:** 4 per week
Campus: Gardens Point

MMB472 Design For Manufacturing 2

MMB476 Operations Management

This unit develops students' ability in applying quantitative techniques in solving different types of industrial operations problems. Topics include: product mix, assignment and transportation models; location and layout decisions, job design analysis; project planning; quality control and the use of simulation in operations management.

Contact hours: 4 per week **Campus:** Gardens Point

MMB478 Mechatronics System Design

This unit provides students with an understanding of design and interpretation of hydraulic and pneumatic circuits (including graphical symbols, fluid logic and components of fluid systems) and a basic understanding of PLC programming for control of manufacturing systems with the emphasis on hands on practice of developing a control system for a given process. Topics include the following: mechatronics systems design; power supply; introduction to fluid power and graphical symbols; hydraulic and pneumatic systems; simple circuits; fluid logic; logic symbols and circuits; hydraulic components, fluids, system design, circuits; pressure compensated flow control.

Prerequisite(s): MMB371, MMB252 **Contact hours:** 5 per week **Campus:** Gardens Point

MMB492 Health Legislation and the Medical Environment

This unit provides an introduction to the types of legislative control in the health and medical industries. It highlights the minimum requirements in relation to the role of medical engineers and their contribution to successful and ethical relationships with medical, health legislative and regulatory affairs professionals. Content includes: national and international legislative controlling bodies and codes (EC, TGA, FDA); structure and sources of legal system (State and Federal); Good Manufacturing Practice (GMP); ISO9000 Quality Systems; Total Quality Management; ethics committees and clearance; industry case studies.

Contact hours: 4 per week **Campus:** Gardens Point

MMB494 Rehabilitation Equipment Design and Evaluation

Bioengineers require an understanding of the criteria associated with the needs and design of specific items of equipment for rehabilitation and the functionally impaired. This unit introduces students to many different areas of rehabilitation and the design of equipment to assist people with disabilities. There are formal lectures and tutorials, some of which will be presented by practitioners from the different areas of rehabilitation.

Contact hours: 4 per week **Campus:** Gardens Point

MMB496 Modelling and Simulation for Medical Engineers

Computational modelling and simulation are widely used in engineering in general, and in specific areas of medical engineering. Modelling can be described as the process of determining analytical representations of physical elements for the purpose of investigating kinematic, kinetic and structural properties and performance. Content includes: introduction to MATLAB programming techniques; process of model creation; methods of analysis of determinate and indeterminate systems; simulation techniques and examples of advanced applications.

Prerequisite(s): MMB391 **Contact hours:** 4 per week **Campus:** Gardens Point

NQB201 Planet Earth

Earth Science impacts every aspect of modern life. Hence, the concepts of Earth Science are fundamental not only to the field of Geology, but also to Environmental Science,

natural resource management, civil engineering and society at large. Planet Earth provides an introduction to Earth Science, including earth materials, geologic history, geological process at the Earth's surface, and the complex interplay between the lithosphere, atmosphere, hydrosphere and biosphere through geologic time. Thus, Planet Earth is a foundation unit for further studies in Geology and Environmental Science and also serves as a broad introduction to the world we live on.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** NRB230

NQB202 History of Life on Earth

This unit provides an introduction to the history and development of life on Earth with an emphasis on fundamental biological and ecological principles as they have operated through geological time. The unit provides the student with an understanding of the processes of evolution, extinction and the changing environmental conditions through Earth's history. The unit provides the student with practical experience in fossil identification, classification and morphological interpretation. It provides the student with a "deep-time" perspective of climate and other environmental changes affecting modern ecosystems. Hence, History of Life on Earth is a foundation unit for the Earth and Environmental Sciences as well as Ecology, Biological Sciences and Education.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** NRB240

NQB302 Earth Surface Systems

Understanding long and short term climate and environmental change is now recognised as crucial to the interpretation of our biotic, geomorphic and cultural landscapes. To fully understand environment change it is important to recognise the interconnectedness between the atmosphere, hydrosphere, lithosphere, biosphere and humanity's place within these spheres over various temporal and spatial scales. Developing knowledge of past and present climate change and landscaping processes helps to predict future process pathways for natural resource management, civil engineering, risk analysis, and impact assessment in the context of both natural and anthropogenic induced change.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** NRB301

NQB311 Mineralogy

Minerals are the building blocks of rocks which comprise the solid Earth. The study of minerals is essential for understanding the structure and composition of the earth and the detailed processes of the rock cycle. Mineralogy forms the basis for petrology (the study of the genesis of rocks) and geochemistry, and is thus essential for Geoscience. The unit may also be of interest to chemists.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** NRB333

NQB314 Sedimentary Geology

The majority of the Earth's surface is covered by sediment or by sedimentary rocks. Sediments are derived from the weathering and erosion of pre-existing rocks, and their transport and deposition are governed by important surficial

processes, such as stream flow, wind, and surf. Hence, sedimentary rocks record information about ancient surficial processes, thereby allowing us to interpret Earth history. Additionally, sedimentary rocks host numerous important natural resources, including groundwater, hydrocarbons (petroleum, natural gas, coal), and base metals.

Prerequisite(s): Suggested unit: NQB201

Corequisite(s): NQB311 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Gardens Point

Incompatible with: NRB331

NQB321 Ecology

Ecology is the study of the factors that influence the distribution and abundance of organisms. Ecology deals with basic properties of individuals and the emergent properties of collections of individuals that form populations and the dynamics of these populations and their interactions with populations of other species. An understanding of basic ecological principles is central to managing species and ecosystems. This unit provides a broad theoretical background in the major concepts of plant and animal ecology. It serves the dual role of providing a thorough grounding in ecology for students from all faculties; and laying the conceptual foundation for later subjects in the ecology and environmental science.

Prerequisite(s): SCB110 or SCB112 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

Incompatible with: NRB311

NQB322 Invertebrate Biology

Anyone pursuing a career as an ecologist, environmental biologist, or teacher needs to be familiar with invertebrates, including their diversity and how they function. Because approximately 90% of all invertebrates are arthropods, this unit focuses on this dominant phylum, which includes all the animals with jointed exoskeletons (the insects, prawns and crabs, spiders, millipedes and more). The aim is to provide you with an overview of arthropod diversity, structure and function, as a basis for exploring the role of arthropods in natural and human-modified systems.

Prerequisite(s): SCB112 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Gardens Point

Incompatible with: NRB370

NQB323 Plant Biology

This unit will provide an understanding and appreciation of plants by taking an evolutionary approach to the study of major plant groups. Content includes life cycles, morphology, adaptations for survival in varied environments, economic and ecological aspects of various groups as they relate to humans, phylogeny and diversity of major groups. This unit will encourage careful observation, curiosity and thinking about plants. The practicals will provide an opportunity to observe and understand form, function and diversity and will emphasise development of skills in plant systematics and identification, with special emphasis on Australian flora.

Prerequisite(s): SCB112 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Gardens Point

NQB403 Soils and the Environment

Soils are the most dynamic component of Earth surface processes, being the interface of the lithosphere and the

atmosphere and a key system within the biosphere and the hydrosphere. It is, therefore, one of the most critical resources to consider within the context of climate change. This unit will provide you with grounding in soil science by emphasising pedological principles, their application to environmental soil analysis and management, and knowledge of ecosystem function of soils in a changing environment. The unit would provide experience in describing and classifying soils and soil materials as well as field experience in the investigation of soil processes and the assessment of resource potential and environmental hazard.

Prerequisite(s): NQB201, NQB302 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

NQB411 Petrology of Igneous and Metamorphic Rocks

This unit includes an introduction to the description, classification and origin of igneous and metamorphic rocks and practical development of lithologic and petrographic abilities to identify mineral assemblages, classify rocks, and interpret textures. Field and theoretical constraints on the petrogenesis of rocks are discussed in lecture. Field study is an essential component of the unit. This unit builds upon the knowledge and skills acquired in the prerequisite unit (NQB311 Mineralogy).

Prerequisite(s): NQB311 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Gardens Point

Incompatible with: NRB436

NQB412 Structural Geology and Field Methods

Structural geology, the deformation of earth materials, is one of the main elements in the core curriculum in geology. It is also essential to other subdisciplines of geology, such as foundation engineering and petroleum and mineral exploration. Geologists need to be able to describe and map structures, to understand the mechanical principles of rock deformation, and to be able to manipulate and calculate structural data.

Prerequisite(s): NQB314 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Gardens Point

Incompatible with: NRB434

NQB413 Stratigraphy

Sedimentary rocks that cover most the Earth's surface are arranged into layers that record the history of the Earth's surface for large periods of geological time. The study of sedimentary rock layers (strata) is called stratigraphy. The types of sedimentary rocks that are preserved in particular strata are direct indications of the conditions that prevailed during their formation. The study of stratigraphy can help unravel the geological history of the area. Hence, stratigraphy is a fundamental part of the education of any geoscientist, and especially of those who wish to be involved in fossil fuel exploration and water resource management.

Prerequisite(s): NQB314 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Gardens Point

Incompatible with: NRB437

NQB421 Experimental Design

An understanding of experimental design is essential for students and professionals in the ecological and environmental sciences as many biological systems are

characterised by high levels of variability. This unit emphasises practical considerations of field and laboratory-based experimentation in ecology and environmental science, and provides experience in problem assessment, definition, formulation of testable hypotheses and experimental design.

Prerequisite(s): NQB321 and either MAB104 or MAB101

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** NRB412

NQB422 Genetics and Evolution

This unit provides a basic understanding of the mechanisms of inheritance using Mendelian Genetics as a foundation. These principles are extended to develop a clear understanding of the mechanisms and processes that drive evolution in natural populations. Topics include the physical basis of heredity, Mendelian and non-Mendelian inheritance patterns, genotype/environment interactions, quantitative traits, evolutionary theory, adaptation and natural selection, speciation and phylogeny, sexual selection and the evolution of life histories.

Prerequisite(s): SCB112 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

Incompatible with: NRB410

NQB423 Vertebrate Biology

Any graduate wishing to pursue a career in the biological or environmental sciences should be familiar with the evolution and ecology of vertebrates. Vertebrates are often considered key wildlife species and are often the focus of conservation efforts. However, we use vertebrates for food, recreation, work, and medical research, and they are also pests and vectors of disease. This unit will examine the evolutionary diversity of the major groups of both extinct and extant vertebrates, and apply concepts relating to their phylogeny, morphology, physiology and behaviour. Practicals will provide an opportunity to observe and understand form, function and diversity and to develop skills in identification of Australian vertebrates.

Prerequisite(s): SCB112 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

Incompatible with: NRB470

NRB440 Environmental Chemistry

This unit includes the following: design and quality control of physicochemical monitoring programs; fundamentals of data analysis; methodologies of monitoring (variables, instruments, sampling strategies including location and frequency of observation, analytical protocols); introduction to biogeochemical cycles; the relationships between molecular structures and environmental properties; hazardous substances in the environment; chemistry of natural water bodies, including solutes and equilibria; chemistry of water pollutants; indicators of water quality; the atmosphere - structure and energy balance; air pollutants.

Prerequisite(s): 72 credit points of Science and/or Health units including PCB140 or PCB142 or SCB111 or SCB121

Contact hours: 4 per week **Campus:** Gardens Point

NRB500 Environmental Systems and Modelling

Environmental systems are often complex with many interacting subunits. As the challenges of environmental system management continue to grow, there is an

increasing need for environmental modelling to assist with effective management. In this unit, students construct their own models of environmental systems, and are introduced to modelling in a variety of different environmental contexts including climate change, ecology, hydrology and soil processes. This approach is presented as a foundation for informed environmental management.

Prerequisite(s): 48 credit points of second level science units **Credit points:** 12 **Contact hours:** 4 per week

Campus: Gardens Point

NRB501 Spatial Analysis of Environmental Systems

This unit provides an introduction to the concepts, theory and practice of GIS and Remote Sensing (RS) essential to the understanding of spatial data capture, interpretation, management and analysis methods in environmental and natural resource applications. Key elements of GIS examined include: mapping theory, map projections and coordinate systems, map and spatial data, data acquisition, data presentation, and environmental applications. Key elements of RS covered are RS principles, RS platforms and systems, air-photo interpretation, spectral properties of environmental phenomena, and mapping from RS. Practical work uses GIS and image analysis software to solve spatial analysis problems and interpret RS imagery for environmental and natural resources management.

Prerequisite(s): 72 credit points of Science units **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

NRB510 Population Genetics

This unit is an extension of NRB410 Genetics and Evolution. Topics include the genetic structure of populations and processes of evolutionary change; natural selection, inbreeding and adaptation, species and speciation theory; ecological genetics; the genetics of behaviour.

Prerequisite(s): NRB410 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

NRB511 Population Management

This unit develops the theoretical treatment of populations as a unit of study and integrates the content of previous ecology units into approaches for the management of biological populations. The unit focuses on those population/resource interactions that are most relevant to pest control, but the unit is also of fundamental importance to harvesting and conservation biology. In the second half of the unit, specific pest management approaches are dealt with, focusing on the concept of sustainability and Integrate Pest Management.

Prerequisite(s): NRB311, NRB412 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

NRB534 Geophysics

This unit considers the remote measurements of rock properties and relates them to geological problems and tectonic regimes. The physics of various measurements of these rock properties, the acquisition of data, and the interpretation of these various data are all addressed. A significant part of the semester covers seismic reflection data. Also covered are seismic refraction, gravity, magnetism, seismology, electromagnetics, radiometrics,

ground penetrating radar, and heat flow.

Prerequisite(s): NRB230, NRB434 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

NRB535 Geology of Fossil Fuels and Minerals

This unit emphasises the crucial role of coal and mineral resources in society. Utilising theoretical and practical examples it enables students to understand the specific environments in which economic Earth resources are generated, the strategies used in exploration for these materials, the methods of evaluating and extracting those resources, and the environmental considerations relating to their use.

Prerequisite(s): NRB331, NRB434 **Corequisite(s):** NRB536 **Credit points:** 12 **Contact hours:** 4 per week
Campus: Gardens Point

NRB536 Petrology and Geochemistry

Through lecture, discussion and problem solving exercises, this unit introduces the application of geochemistry, phase equilibria, and thermodynamics to demonstrate the origin and evolution of igneous and metamorphic rocks. Problem-solving exercises synthesise field, petrographic and geochemical data to develop quantitative petrogenetic models and enhance critical thinking and written communication skills. Field study is an important component of this unit.

Prerequisite(s): NRB436 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point
Incompatible with: NRB530

NRB571 Marine Biology

This unit gives a general overview of marine ecosystems and their importance to humankind. The unit aims to stimulate thought, and to generate ideas, by reviewing the range of approaches taken to manage, and conserve, marine resources. Emphasis is given to Australian coastal marine systems: their importance, care, and abuse. The unit involves a compulsory 3 day field trip to a local coastal ecosystem.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Carseldine **Incompatible with:** NRB672

NRB572 Terrestrial Ecosystems

This unit examines the key physical and biological processes that influence the range of terrestrial ecosystems. It examines the geological, climatic and historical processes that have shaped the evolution and ecology of Australia's terrestrial ecosystems and the ecological properties of natural and human modified systems. Content includes the significant phases in the evolution of the Australian flora and fauna, principal components and adaptations of the modern Australian flora and fauna, theories pertinent to explanations of biogeographical distributions, soil formation, structure and biology, physical processes in terrestrial systems, structure and characteristics of terrestrial ecosystems, and terrestrial ecosystem case studies.

Prerequisite(s): NRB311 or NRB371 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point
Incompatible with: NRB570

NRB600 Sustainable Environmental Management

Sustainable environmental management requires a multidisciplinary approach to decision-making. This approach must be founded on scientific knowledge about the environment, but to be effective, the science must also be integrated with social, economic, political and technological policies. This unit explores contemporary environmental management issues: the science behind them, linkages between them, their cultural settings and sustainable solutions.

Prerequisite(s): 48 credit points of second level units
Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** HUB685

NRB601 Field Mapping and Monitoring of Natural Resources

A field-based unit covering the theory and practice of methods to determine, measure and map important natural resource parameters and characteristics. These methods are essential for the study of terrestrial natural resource phenomena. Content includes interpretation and measurement through aerial photography and other remote sensing techniques, using GPS, GIS, principles and techniques in field survey procedure, assessment and monitoring techniques and planning, environmental impact assessment, reporting and data presentation. The field practicals emphasise mapping and monitoring skills in the geological or land resources context.

Prerequisite(s): NRB301 and 60cp of relevant second level Science units (NRB units or equivalents) **Credit points:** 12 **Contact hours:** 4 per week equivalent **Campus:** Gardens Point

NRB610 Ecological Applications

This unit integrates the content of other ecology units into applied approaches to the management of populations and systems. The unit employs concepts from population ecology, population management and conservation biology and builds methodologies and concepts necessary for an applied approach to conservation and pest management. A field trip provides the vehicle for developing these themes. Content includes collection, collation and preparation of biological resource material relevant to a case study, diagnostic features and identification of species of relevance, factors involved in the design of a large-scale field study, field techniques necessary for understanding species/habitat interactions, and the analysis and interpretation of large field data sets.

Prerequisite(s): NRB510 or NRB511 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

NRB611 Conservation Biology

Conservation Biology is the application of ecological theory and principles to the problem of the maintenance of viable populations of rare, threatened or endangered species, or ecological systems. The unit integrates ecological and genetic material covered in earlier units to provide an understanding of factors that enable the maintenance or enhancement of populations. The unit examines biodiversity and its determinants, the process of extinction, population viability analysis and the diagnosis and treatment of population declines, habitat fragmentation, metapopulation processes and the design of natural reserves, and conservation genetics.

Prerequisite(s): NRB311, NRB410 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

NRB633 Hydrogeology

This unit focuses on the origin, occurrence and movement of groundwater; aquifer properties; chemistry and quality of groundwater; exploration methods for groundwater; drilling methods and well testing equipment; assessment of groundwater problems, both supply and quality; and introduction to modelling of groundwater systems. Groundwater resources of Australia are covered and current issues. Lectures are supported by desktop exercises. Students will obtain practical experience with pump tests and computer modelling. There is interaction with government and private sector hydrogeologists, and a field site visit for hands-on well testing.

Prerequisite(s): NRB301 or NRB440 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

NRB635 Plate Tectonics and Advanced Structural Geology

This unit considers geological observations in the context of a unifying theory. It examines lithospheric plates, plate geometries, Earth morphology, relative and absolute plate movements, stresses of plate interactions, types of plate boundaries, and orogenesis. It also examines the development of the most important geologic theory of the 20th century.

Prerequisite(s): NRB434, NRB331, NRB432 & NRB534
Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

NRB636 Petroleum Geology and Basin Analysis

This unit provides students with a fundamental working knowledge of sedimentary strata at regional and basin-wide scales, and enables them to solve problems in the exploration for hydrocarbons and other stratabound resources. It deals with the tectonic settings, styles of subsidence, patterns of sedimentary fill, thermal and diagenetic histories and resource distribution within sedimentary basins. Integrated lithostratigraphic, biostratigraphic, sequence stratigraphic, geophysical, and geochemical data sets are introduced as fundamental aspects of basin analysis. The unit develops an understanding of exploration and production aspects of the oil and gas industries.

Prerequisite(s): NRB331, NRB437, NRB534 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** NRB531

NRB672 Marine and Freshwater Ecosystems

This unit examines the structure and function of marine and freshwater ecosystems. Aquatic ecosystems cover the majority of the planet and their management is important in terms of maintaining water quality for human utilisation, harvesting resources, and for species conservation. The unit emphasises the physical and ecological properties that are common to all aquatic systems, but also identifies those properties that are unique to particular systems. The unit covers aquatic ecosystems, their different forms and extent; the chemical and physical properties of aquatic environments; circulation and transport processes; the structure and characteristics of the different aquatic

environments; and human impact and management in marine and freshwater systems.

Prerequisite(s): NRB311 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point
Incompatible with: NRB571

NRB720-1 Project

This unit is a substantial project in the appropriate area of science undertaken in conjunction with a supervisor and through interaction with lecturing and technical staff of the School of Natural Resource Sciences. The unit provides the opportunity for students to identify and solve scientific problems logically and creatively. Students are required to relate the project research to published work in the field of study. Each project is assessed on the basis of an extensive written report and a formal seminar or scientific poster. (60 credit points achieved at completion of NRB720-1, NRB720-2, NRB720-3, NRB720-4 and NRB720-5.)

Credit points: 12 **Campus:** Gardens Point

NRB720-2 Project

This unit is a substantial project in the appropriate area of science undertaken in conjunction with a supervisor and through interaction with lecturing and technical staff of the School of Natural Resource Sciences. The unit provides the opportunity for students to identify and solve scientific problems logically and creatively. Students are required to relate the project research to published work in the field of study. Each project is assessed on the basis of an extensive written report and a formal seminar or scientific poster. (60 credit points achieved at completion of NRB720-1, NRB720-2, NRB720-3, NRB720-4 and NRB720-5.)

Credit points: 12 **Campus:** Gardens Point

NRB720-3 Project

This unit is a substantial project in the appropriate area of science undertaken in conjunction with a supervisor and through interaction with lecturing and technical staff of the School of Natural Resource Sciences. The unit provides the opportunity for students to identify and solve scientific problems logically and creatively. Students are required to relate the project research to published work in the field of study. Each project is assessed on the basis of an extensive written report and a formal seminar or scientific poster. (60 credit points achieved at completion of NRB720-1, NRB720-2, NRB720-3, NRB720-4 and NRB720-5.)

Credit points: 12 **Campus:** Gardens Point

NRB720-4 Project

This unit is a substantial project in the appropriate area of science undertaken in conjunction with a supervisor and through interaction with lecturing and technical staff of the School of Natural Resource Sciences. The unit provides the opportunity for students to identify and solve scientific problems logically and creatively. Students are required to relate the project research to published work in the field of study. Each project is assessed on the basis of an extensive written report and a formal seminar or scientific poster. (60 credit points achieved at completion of NRB720-1, NRB720-2, NRB720-3, NRB720-4 and NRB720-5.)

Credit points: 12 **Campus:** Gardens Point

NRB720-5 Project

This unit is a substantial project in the appropriate area of science undertaken in conjunction with a supervisor and through interaction with lecturing and technical staff of the School of Natural Resource Sciences. The unit provides the opportunity for students to identify and solve scientific problems logically and creatively. Students are required to relate the project research to published work in the field of study. Each project is assessed on the basis of an extensive written report and a formal seminar or scientific poster. (60 credit points achieved at completion of NRB720-1, NRB720-2, NRB720-3, NRB720-4 and NRB720-5.)

Credit points: 12 **Campus:** Gardens Point

NRB730-1 Research Methods and Strategies

This is a two semester unit with its main focus to develop the research planning, abilities and skills of the student. The major assessable components are a literature review, seminars, informal presentations and discussions on subjects relevant to the research topic, and advanced skills workshops and exercises. (24 credit points achieved at completion of NRB730-1 and NRB730-2.)

Credit points: 12 **Campus:** Gardens Point

NRB730-2 Research Methods and Strategies

This is a two semester unit with its main focus to develop the research planning, abilities and skills of the student. The major assessable components are a literature review, seminars, informal presentations and discussions on subjects relevant to the research topic, and advanced skills workshops and exercises. (24 credit points achieved at completion of NRB730-1 and NRB730-2.)

Credit points: 12 **Campus:** Gardens Point

NRB735 Advanced Studies in Resource Sciences

This unit provides an in-depth examination of a topic or synthesis of a subject through lectures, tutorials, discussions, independent study, practicals and/or field excursion. This unit has general structure, which can be developed to the specific requirements of each section of the school. An important aim is to develop inquiring and analytical thought at an advanced level. The unit may be conducted in the first part of semester 1, or could be conducted over two semesters.

Credit points: 12 **Campus:** Gardens Point

NRN100 Readings in Natural Resource Sciences 1

This unit includes a review of literature in an area of direct relevance to the research project. The review should be designed in conjunction with the supervisor and demonstrate a broad appreciation of the literature, a critical appraisal of research to date, and the relevance of the research project within the framework of current understanding. Reviews should normally be approximately 5000 words.

Credit points: 12 **Campus:** Gardens Point

NRN101 Readings in Natural Resource Sciences 2

This is a companion unit to NRN100 that allows students to (a) prepare a review of a second area relevant to the research project or (b) consider a wider subject area in greater depth. If option (b) is chosen, a single review can qualify as total assessment for both NRN100 and NRN101.

In this case, the review should be approximately 10,000 words and be a critical analysis of a substantial research area.

Prerequisite(s): NRN100 **Corequisite(s):** NRN100

Credit points: 12 **Campus:** Gardens Point

NRN102 Confirmation of Candidature Seminar

This unit includes a public seminar plus an extensive discussion period designed to provide positive feedback from staff and students on the proposed research project. The presentation should be designed in conjunction with the supervisor and include background to the project area, specific objectives of the proposed project, methodology to be followed and possible outcomes. The seminar should normally be presented after the project outline has been developed and before any significant amount of research has been undertaken.

Credit points: 12 **Campus:** Gardens Point

NRN103 Final Seminar

This unit includes a public seminar plus an extensive discussion period designed to provide positive feedback from staff and students on the progress of the research project. The presentation should be designed in conjunction with the supervisor and include project objectives, progress to date, preliminary data and problems for discussion. The seminar should normally be presented within 12 months (full-time) or 24 months (part-time) of commencement of the postgraduate program.

Prerequisite(s): NRN102 **Corequisite(s):** NRN102

Credit points: 12 **Campus:** Gardens Point

NRN104 Advanced Topics in Natural Resource Sciences 1

Students develop an advanced understanding of a topic in the natural resource sciences that is highly relevant to the general area of their proposed research project. The structure and content is variable and can be tailored to the specific requirement of each project and the background of the student. A formal outline of the unit including objectives, content and assessment relevant to the individual course of study will be developed by the supervisor and approved by the Head of School. Content may include active participation in tutorials, workshops, laboratory/field techniques and components of advanced level undergraduate units. If components of advanced level undergraduate units are included, they should not exceed 70% of the total assessment.

Credit points: 12 **Campus:** Gardens Point

NRN105 Advanced Topics in Natural Resource Sciences 2

Material presented in this unit must be distinct from that covered in NRN104. Students develop an advanced understanding of a topic in the natural resource sciences relevant to the area of their proposed research project. A formal outline of the unit outlining objectives, content and assessment relevant to the individual course of study will be developed by the supervisor and approved by the Head of School. Content may include active participation in tutorials, workshops and laboratory/field techniques and components of advanced level undergraduate units. If components of advanced level undergraduate units are included, they

should not exceed 70% of the total assessment.

Credit points: 12 **Campus:** Gardens Point

NRN106 Biosecurity Plant Pests - Invertebrates

It is essential for graduates in plant biosecurity to be familiar with Biosecurity plant pests. This unit investigates invertebrates including their identification, how they function and their host relationships. Because most invertebrate plant pests are insects this course will largely focus on this group, however, other invertebrate plant pests such as the nematodes, snails and mites will also be covered. Invertebrates have quite complex life-cycles, some of which can occur in the absence of the host, so understanding the biology of different groups is essential for appropriate border inspection and post-border surveillance.

Contact hours: Self paced, flexible online delivery

Campus: Internet

NRN107 Biosecurity Plant Pests - Pathogens

It is essential for graduates in plant biosecurity to be familiar with Biosecurity plant pests. This unit investigates plant pathogens including their identification, how they function and their host relationships. Plant pathogens are found across a range of major biological groupings making their study challenging, but also essential if the pathogen is to properly recognised and the appropriate biosecurity measure applied. Because of their diversity, plant pathogens have a range of different life-cycles, some of which can occur in the absence of the host, so understanding the biology of different groups is essential for appropriate border inspection and post-border surveillance.

Contact hours: Self paced, flexible online delivery

Campus: Internet

NRN108 Biosecurity Plant Pests - Weeds

It is essential for graduates in plant biosecurity to be familiar with Biosecurity plant pests. This unit investigates weeds, including their identification, their biology and ecology and their invasion biology. Weeds are found across all major plant groups making study of their ecology and biology challenging, but also essential if the weed is to be properly recognised and the appropriate biosecurity measure applied. Understanding the biology and ecology of different weed groups is essential for appropriate border inspection and post-border surveillance. In event of an incursion management is also required, so this unit will also introduce the basic concepts of eradication and control.

Contact hours: Self paced, flexible online delivery

Campus: Internet

NRN120 Plant Biosecurity: Detection and Diagnostics

Pest detection and diagnostics are cornerstones of biosecurity practice. Without the ability to detect, and then accurately identify biosecurity threats, it would be impossible to effectively erect boundaries against those pests, determine if the pests have crossed boundaries, or ensure our trading partners that we are free of the pests. Detection and diagnostics is not just about identifying a dead insect on a pin, but covers much broader issues such as extensive and intensive field surveys, use of molecular diagnostics tools and management and reporting of large data sets. This unit extends upon the biological knowledge gained in the "Biosecurity Pest" and starts looking at

biosecurity practice.

Contact hours: Self paced, flexible online delivery

Campus: Internet

NRN150 Plant Biosecurity in Practice

Plant biosecurity is a relatively new field which covers a wide range of disciplines. While most people understand the value and role of quarantine, biosecurity in the broad sense remains a mystery to most people. Even if you are already working in some aspect of biosecurity, you may know only your part of the biosecurity continuum and little about other biosecurity areas. This unit will present an overview of biosecurity as a whole, introducing international and national legislative aspects, what is meant by the biosecurity continuum, and the different disciplines which make up biosecurity practice.

Contact hours: Self paced, flexible online delivery

Campus: Internet

NRN210 Invasion Biology: Foundations of Biosecurity

The whole process of plant biosecurity is about reducing the impact of invasive organisms, that is organisms which have entered, established, and become pestiferous in a region or country outside their natural distribution. Invasion biology is the branch of ecology which studies invasive organisms, focusing particularly on the invasion process and aspects of behavioural ecology, population ecology and genetics which impact upon, or result from, successful invasions. Knowledge of invasion biology is critical for the biosecurity professional as it places biosecurity within a biological framework and can guide activities such as surveillance, monitoring, eradication and response.

Contact hours: Self paced, flexible online delivery

Campus: Internet

NRN215 Risk Assessment

The identification, analysis and management of risk are critical skills that ensure an effective Plant Biosecurity system. It is therefore essential for graduates in plant biosecurity to be familiar with current and developing approaches to risk analysis and management. Although in the past risk analyses have most often been performed in a qualitative manner, there are increasing pressures towards more quantitative methodologies due to international regulatory requirements. This unit will investigate the purpose of risk management, the plant biosecurity context in which risk management is undertaken, and consider different models and methodologies for risk analysis.

Contact hours: Self paced, flexible online delivery

Campus: Internet

NRN218 Community Engagement and Participation

All aspects of biosecurity rely on community engagement, where the community is defined as the range of stakeholders upon whom biosecurity activities impact. At the international level the community includes trading partners with whom we interact for both import and export. Domestically, the community includes Commonwealth and State agencies involved in biosecurity, the rural community and the general public who may be unknowing carriers of biosecurity threats, or conversely the eyes of national biosecurity surveillance programme. Biosecurity in the absence of community engagement cannot work and this is

widely recognised within the profession.

Prerequisite(s): NRN150 **Contact hours:** Self paced, flexible online delivery **Campus:** Internet

NRN220 Policy Framework Obligations

The identification, analysis and management of risk are critical skills that ensure an effective Plant Biosecurity system. It is therefore essential for graduates in plant biosecurity to be familiar with current and developing approaches to risk analysis and management. Although in the past risk analyses have most often been performed in a qualitative manner, there are increasing pressures towards more quantitative methodologies due to international regulatory requirements. This unit will investigate the purpose of risk management, the plant biosecurity context in which risk management is undertaken, and consider different models and methodologies for risk analysis.

Prerequisite(s): NRN150 **Contact hours:** Self paced, flexible online delivery **Campus:** Internet

NSB113 Diversity and Health: Introduction to Indigenous and Multicultural Perspectives

This unit provides students with foundational understandings in culture and its implications for health care. It includes four modules - culture, self and diversity; understanding and valuing Aboriginal and Torres Strait Islander cultures; Aboriginal and Torres Strait Islander health and wellness; and migrant health issues.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

NSB117 Nursing and the Health Care System

The provision of contemporary nursing practice and care in a rapidly changing health care environment is an ongoing challenge. The professional journey requires nurses to think critically, reflect on their practice, reason, defend a position, and engage in continuous learning. This unit commences you on your professional journey by introducing fundamental concepts related to contemporary professional nursing and to the Australian health care system; and by introducing the knowledge and skills underpinning critical thinking, critical reflection, reasoning, argumentation, and lifelong learning. These concepts and skills will be expanded as you progress through the nursing degree.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

NSB118 Foundations of Nursing Practice

Contemporary nursing practice demands practitioners that demonstrate professional clinical decision-making and the ability to utilise information and communication technologies to ensure high quality health care outcomes. Professional communication and high order thinking processes are vital to ensure high quality data collection and management. This unit introduces the fundamental principles, knowledge and skills that need to be considered when applying decision-making processes in nursing practice and using information and communication technologies.

Credit points: 12 **Campus:** Kelvin Grove

NSB122 Clinical Practice 1

This is the first in a series of five clinical practice units that provide you with the opportunity to experience the practice

of nursing in real world settings and to develop the knowledge, attitudes and skills required for safe practice as a beginning level registered nurse. This unit focuses on providing basic care to patients in a health care setting. In providing this care you will be drawing upon the knowledge gained from your studies in nursing, life science and behavioural science, and the expertise of registered nurses in the clinical setting. The skills that you develop in this unit represent the building blocks of nursing care.

Credit points: 12 **Campus:** Kelvin Grove

NSB212 Clinical Practice 2

This unit focuses on developing skills related to problem solving, decision making and care delivery for clients who are experiencing a range of health problems, including mental health problems. You will build on the general knowledge and skills that you have gained during your first year units through the application of concepts and principles to particular client problems, and the implementation of more complex nursing interventions. In working alongside registered nurses in various health care facilities you will develop a greater appreciation for the role of registered nurses in the provision of health care.

Prerequisite(s): NSB122 **Credit points:** 12 **Contact hours:** 1 **Campus:** Kelvin Grove

NSB222 Clinical Practice 3

Following on from Clinical practice 2 this unit continues to develop your skills in identifying health problems, developing plans of nursing care, delivering care, evaluating client outcomes and understanding of the role of the nurse in the health care team. This unit continues to focus on developing your skills related to problem solving, decision-making and care delivery for clients who are experiencing a range of health problems, including mental health problems. During your clinical practicum you will continue to work alongside registered nurses in a variety of clinical setting.

Prerequisite(s): NSB212 **Credit points:** 12 **Campus:** Kelvin Grove

NSB223 Mental Health Nursing

Nurses in all health care settings will encounter people with mental health problems and disorders. Mental health care is no longer provided solely by a specialised psychiatric service, but in a variety of general health and community settings. Mental disorders represent nearly 30 per cent of the non-fatal disease burden and are the leading cause of disability in Australia. As physical health improves, mental disorders are assuming an even greater impact on people's well-being. Mental health nursing skills will enable you to help a wide variety of clients to improve their quality of life and to achieve their highest possible level of functioning.

Prerequisite(s): NSB118 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

NSB224 Research Approaches in Nursing

This unit provides an introduction and overview of research in nursing. It covers the major philosophical traditions in research, the purpose of research, the relationship between research and nursing practice, the notion of nursing knowledge, the process of research, ethical issues related to research and strategies for critiquing research reports.

Particular emphasis will be placed on selected methodologies that are used to research nursing practice, and quantitative and qualitative data collection and data analysis.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

NSB225 Health, Human Development and Ageing

This unit focuses on developing basic knowledge and understanding of the nurse's role in promoting health and wellbeing for people of all ages. Concepts addressed in this unit include, but are not limited to, definitions and models of health and wellbeing; major stages of human growth and development; physical and psychosocial theories of human development, theories of ageing and the concept of health throughout life. As you progress further in the course, the understandings that you develop in this unit will be extended through other theoretical studies and experiences in clinical practice.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

NSB321 Professional Nursing Development

This unit is designed to reinforce the link between personal development and clinical practice and highlights the changing workplace and ongoing professional development. As such, the unit focuses on clarifying the relevance of professional concepts such as management, teamwork, scope of practice, changing division of labour, codes of conduct and professional organisations by directly relating these to clinical experience and life long learning. Similarly, the unit considers and interprets clinical practice and the clinical environment by exploring ways in which knowledge is used to inform practice.

Prerequisite(s): NSB117 & NSB322 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove and External

NSB322 Clinical Practice 4

Nurses play a pivotal role in the provision of contemporary health care in a variety of settings. This clinical unit offers you the opportunity to experience the diversity of nursing practice while providing care for patients with multiple health problems. The clinical practicum associated with this unit utilises a variety of clinical environments providing both hospital and community based care. Students also have the option of undertaking a clinical placement in a rural, remote, interstate, overseas or indigenous community area. In addition, advanced clinical concepts that build on the basic skills you have developed earlier in the program will be addressed.

Prerequisite(s): NSB222, NSB223, NSB324, NSB423
Credit points: 12 **Campus:** Kelvin Grove

NSB324 Health Alterations and Nursing 1

This unit will build on the concepts introduced in Foundations of Nursing Practice and enhance your knowledge and skills in clinical decision making processes. It will introduce nursing care and management of people across the lifespan in a range of environments and use a focus of acute and ambulatory health alterations based around selected body systems. As you progress through the course, the knowledge and skills you develop in this unit will

be built upon and extended to meet the requirements of professional practice and consumer needs for quality health care.

Prerequisite(s): NSB118 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

NSB333 Clinical Practice 5

This is the final unit in the series of clinical units that provide you with the opportunity to consolidate the knowledge, skills and attributes required for safe, competent practice as a beginning level nurse. This unit builds on previous clinical units and draws upon concepts, principles and theories that have been developed through your studies in nursing and related sciences. Particular emphasis will be placed on the co-ordination of care for a group of clients, critical thinking and reflection on practice, and confidence, efficiency and effectiveness in the implementation of nursing care.

Prerequisite(s): NSB322 **Credit points:** 24 **Contact hours:** Includes 8 weeks off-campus clinical experience
Campus: Kelvin Grove

NSB412 Clinical Elective Exchange/Study Abroad

This unit aims to enhance final year students' ability to practice competently in a range of clinical situations. Students are provided with the opportunity to consolidate and extend their knowledge and skills by undertaking a series of self-directed, problem-based learning packages. The areas covered in the unit are advanced life support, respiratory therapies, health promotion, pain management, epidural analgesia and advanced wound care management. A variety of teaching-learning strategies will be used which include case scenarios, small group unilabs, computer-based and other related activities.

Credit points: 12

NSB421 Independent Study

This unit provides students the opportunity to independently explore a body of literature and/or research relevant to an area of interest in nursing. The unit enables students to extend their knowledge and understanding of a topic that is not specifically addressed elsewhere in the course. The emphasis, in this unit, is on the development of independent research, study and analytical skills. These skills are demonstrated first, in an assimilation of a range of materials into a clearly formulated written argument and second, in an oral presentation and discussion of the study material.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

NSB423 Health Alterations and Nursing 2

This unit will build on the concepts introduced in Foundations of Nursing Practice and enhance your knowledge and skills in clinical decision making processes. It will introduce nursing care and management of people across the lifespan in a range of environments and use a focus of acute and chronic health alterations based around selected body systems. As you progress through the course, the knowledge and skills you develop in this unit will be built upon and extended to meet the requirements of professional practice and consumer needs for quality health care.

Prerequisite(s): NSB118 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

NSB500 Health Alterations and High Dependency Nursing

This unit is the final of three units expounding on nursing management of acute and chronic health alterations that impact on people across the lifespan in a variety of settings. The focus of this unit is the utilisation of a clinical decision making process to provide comprehensive and holistic nursing management for people experiencing complex and/or life threatening health alterations, particularly in high acuity and palliation settings. Implementation of the clinical decision making process will be at a more advanced level to meet the multifaceted needs of these patients with complex needs in preparation for practice as a beginning level registered nurse.

Prerequisite(s): NSB324, NSB423 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove

NSB502 Introduction To Evidence Based Practice

The critical application of evidence to practice is essential to the role of any professional. For health professionals seeking to provide care that will deliver the best possible outcomes for patients it is especially important to be aware of, and able to assess the evidence to guide clinical decisions. This unit builds on your knowledge of research and research methods to provide a practical understanding of evidence-based processes that can be applied to your practice as a health professional.

Credit points: 12

NSB503 Promoting Health in the Community

Nurses have an important role in promoting the health and wellbeing of individuals, families and communities. An understanding of contemporary health and wellbeing issues for individuals and groups in our society with specific focus on health and chronic illness in the community. This unit builds on knowledge and understanding of the nurse's role in promoting health and wellbeing for people of all ages, families and communities.

Credit points: 12

NSB600 Introduction to Nursing Children and Childbearing Families

This unit provides an overview of the theoretical concepts and clinical application principles for practice in the areas in providing nursing and midwifery care for children and childbearing families. The emphasis is upon the childbearing process and the developmental stages of childhood and family dynamics. This is viewed as a normal process of growth and development, which will be affected by social, economic, legal and cultural factors. The focus will be on the promotion and maintenance of health.

Prerequisite(s): NSB500 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** External

NSB602 Pain Management and Nursing Practice

Making decisions about patient's pain and its management is a key component of nursing practice across a wide variety of patient groups and clinical settings. This unit examines the concept of pain and explores aspects of the nurse's role in relation to pain relief. It builds on introductory concepts that have been addressed earlier in the program through more detailed exploration of, and reflection upon selected

concepts.

Prerequisite(s): NSB500 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** External

NSB603 Introduction to Cardiothoracic Nursing

Cardiovascular disorders are commonly encountered by nurses practicing a variety of clinical settings. This unit provides an overview of cardiothoracic nursing and encompasses theoretical concepts specific to this specialty as well as related clinical skills. It builds on introductory concepts that have been addressed earlier in the program through more detailed exploration of and reflection upon selected concepts.

Prerequisite(s): NSB500 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

NSB604 Nursing Practice and the Older Person

Nurses have an important role in promoting, maintaining and restoring the health of older people and their families across a diversity of settings. Students will be encouraged to examine the independent role of the nurse and their role as a member of multidisciplinary teams. The unit focuses on the role of the nurse in assessing and identifying problems relevant to older people and making clinical decisions about care practices and outcomes. This unit will extend the understandings that you have developed in other theoretical studies and experiences in clinical practice.

Prerequisite(s): NSB225 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

NSB606 Palliative Care Nursing

The health and support needs of individuals who are dying are diverse and often change over time. To respond effectively to these needs, nurses require knowledge and skills to provide a palliative approach to care. In this unit, you will extend your knowledge of the needs of individuals diagnosed with various life-limiting illnesses. The unit will enable you to develop further your understanding of the core components of a palliative approach to care for these individuals. This unit will extend the understandings that you have developed in other theoretical studies and experiences in clinical practice.

Credit points: 12

NSB700 Introduction To Midwifery Practice

This unit is an introduction to the scope of midwifery practice and an exploration of the role of midwifery practice and woman-centred care. You will be introduced to cultural considerations relating to child bearing families, and legal and ethical issues relating to midwifery practice. The role of midwifery codes of practice, ethics, and professional midwifery competencies across a range of midwifery practice settings is also examined.

Credit points: 12

NSB705 Foundations of Midwifery Practice

This unit provides a foundation for the theoretical concepts and principles for practice as a midwife. Emphasis is placed on the childbearing process as a normal and non-pathological process, during which the midwife, in collaboration with the woman, family, and other health professionals, provides midwifery care. Development of core knowledge, attitudes and skills required for beginning

practice as a practising midwife is fundamental to providing childbearing women and their families with information, choices and support throughout pregnancy, birthing and the postnatal period.

Credit points: 12

NSB710 Midwifery Practice 1

This unit provides the opportunity to develop the clinical knowledge and skills in the areas of antenatal and postnatal assessment and care, as well as an introduction to the assessment and care for the birthing woman. The focus in this unit is midwifery practice in the area of uncomplicated pregnancy and birth.

Credit points: 12

NSN002 Key Issues in Child and Youth Health Nursing

This unit addresses contemporary issues in child and youth health, to provide the basis for further study in this field. A Primary Health Care framework will be used to consider issues that impact on the health of children and young people. In addition key policy frameworks will provide direction for study in the unit. The unit will consider the impact of social determinants on child, youth and family health and examine current strategies to address such impacts. Students will have the opportunity to examine local programs and strategies aimed at improving health outcomes.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN003 Principles of Paediatric, Child and Youth Health Nursing

Students in this unit are introduced to issues facing nursing when providing care for children and families in the acute and community service environment. The unit presents an overview of the contemporary health problems faced by the Australian child and family and explores nursing interventions that enhance adaptation and health.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN004 Acute Paediatric Nursing

This unit is designed to provide registered nurses with advanced knowledge and skills to enable them to provide safe and competent care to children experiencing acute paediatric illness. This unit will focus on acute health problems in children, employing clinical assessment, problem solving and critical thinking skills. Following completion of this unit the registered nurse will be able to demonstrate knowledge and skills in the nursing management of acute and chronic health problems within paediatric clinical practice.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN005 Community Child and Youth Health Nursing

This unit is designed to provide a sound basis for nursing practice in the area of community child and youth health. Students will examine contemporary issues relating to their professional role in caring for children, youth and families within the community context. The unit adopts a primary health care approach to examine the nurses' role in primary and secondary prevention, in supporting families in the

community and in health education and community development.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN006 Specialisation in Paediatric, Child and Youth Health Nursing

This unit will provide students with clinical knowledge and understanding in a selected area of paediatric or child and youth health sub-speciality. The unit is based on a learning contract that will include both theoretical and clinical learning activities and assessment.

Credit points: 12 **Campus:** Kelvin Grove and External

NSN311 Clinical Studies in Midwifery A

This unit provides the opportunity for students to develop the clinical knowledge and skills in the areas of antenatal, postnatal assessment and care as well as an introduction to the assessment and care for the birthing woman. The focus in this unit is midwifery practice in the area of uncomplicated pregnancy and birth. Clinical activities and focused assessment will enable the student to incorporate theoretical, conceptual and practical knowledge, attitudes and skills required to care for the childbearing woman, her infant and family.

Corequisite(s): NSN321 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN321 Foundations of Midwifery Practice

This unit provides a foundation in the theoretical concepts and clinically applied principles for practice as a midwife. Emphasis is placed on the childbearing process as a normal and non-pathological process, during which the midwife, in collaboration with the woman, family, and other health professionals, provides midwifery care.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN322 Complex Issues for Childbearing Families

This unit provides students with an opportunity to develop further and expand on the theoretical knowledge and skills gained in Foundation of Midwifery Practice and Clinical Studies in Midwifery A. The unit requires application of the principles and practices acquired in the prerequisite unit. While childbearing is assumed to be a normal non-pathological process, and inherently safe, it is acknowledged that specialised practitioners must be able to recognise and act on changing events. These changes reflect complications/deviations from the normal.

Prerequisite(s): NSN321 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN323 Clinical Studies in Midwifery B

This unit provides the opportunity for students to consolidate the professional knowledge and skills which they have acquired in other units. Students will be facilitated to incorporate theoretical, conceptual and practical knowledge, attitudes and skills required to care for the childbearing women, her infant and family.

Prerequisite(s): NSN321, NSN311 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN324 Critical Issues in Neonatal Care

An understanding of the physical, emotional and psychosocial factors which can impact on the health and wellbeing of infants and their families is essential to the provision of effective and supportive care. This unit explores issues in neonatal care including the complexity of physiological adaptation required at the time of birth, and common vulnerabilities in the neonate which may cause short and long term health problems. An introduction to ethical issues relevant to contemporary neonatal care provides a background to providing effective care for infants and families.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove and External **Incompatible with:** Nil

NSN421 Assessment and Diagnosis in Extended Practice

This unit focuses on the scientific basis, processes and procedures for advanced concepts in clinical decision making. It covers the skills and principles of health assessment with specific focus on pattern recognition and diagnostics; ordering and interpreting laboratory tests; ordering and interpreting imaging investigations. The unit also explores the activities and processes for making and accepting referrals with other health professionals.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove **Incompatible with:** Nil

NSN422 Pharmacology and Therapeutics in Extended Nursing Practice

This unit relates to the planning and management of therapeutic interventions in health care with a major focus on pharmacology and therapeutics. The content includes the study of pharmacology and pharmacokinetics related to treatment in a wide range of diseases. This will provide the basis for expansion into in-depth knowledge of pharmacology in a specialty field in the unit titled: NSN426 Advanced Pharmacology and Therapeutics in Speciality Nursing Practice.

Credit points: 12 **Campus:** Kelvin Grove

NSN423 Nurse Practitioner Role Development

This unit equips students with the skills and knowledge necessary for the development of the nurse practitioner role and scope of practice. Scope of practice refers to, and includes the extent of clinical practice activities available to the nurse practitioner in their speciality field of practice. Content includes requirements and attributes in clinical leadership, influence and advocacy at all levels of health care. Model development will be explored, scope of practice designed and clinical protocols and treatment formulary developed.

Credit points: 12 **Campus:** Kelvin Grove

NSN424 Evidence Based Practice

On successful completion of this unit students will be able to critically appraise systematic reviews of evidence and design projects for the implementation of evidence into practice. Content includes: Evidence-based terminology, principles and processes; incorporating evidence into practice; comparing and contrasting current practice with

the most current evidence; modifying policies and procedures to be consistent with the evidence; use of audit results to identify areas of practice that are consistent with the evidence and those needing revision; formulating strategies for promoting the uptake of evidence-based practice.

Credit points: 12 **Campus:** Kelvin Grove

NSN425-1 Nurse Practitioner Internship

This unit provides extended, supervised and supported clinical practice exposure to consolidate and apply coursework learning, enabling students to meet the competency and capability standards for the nurse practitioner. Content is determined by the context of practice and the candidate's own learning objectives. Students will explore the extent of extended clinical practice available to them in the specialty in which they are undertaking the internship. Complementary to the unit objectives, and in consultation with their clinical support teams, students will develop personal learning objectives that reflect the knowledge and skills required in this extended scope of practice.

Credit points: 12 **Campus:** Kelvin Grove

NSN425-2 Nurse Practitioner Internship

This unit continues on from NSN425-1 and provides extended, supervised and supported clinical practice exposure to consolidate and apply coursework learning, enabling students to meet the competency and capability standards for the nurse practitioner. Content is determined by the context of practice and the candidate's own learning objectives. Students will explore the extent of extended clinical practice available to them in the specialty in which they are undertaking the internship. Complementary to the unit objectives, and in consultation with their clinical support teams, students will develop personal learning objectives that reflect the knowledge and skills required in this extended scope of practice.

Prerequisite(s): NSN425-1 **Credit points:** 12 **Campus:** Kelvin Grove

NSN426 Advanced Pharmacology and Therapeutics in Speciality Nursing Practice

This unit follows on from NSN422 Pharmacology and Therapeutics in Extended Nursing Practice and includes development of the scope of pharmacological and therapeutic practice in a student's specialty field of practice, designing and developing protocols and medication formulary. It also includes a focus on skills in development of treatment plans that incorporate a creative, efficacious, patient-centred and sustainable management of symptom/disease states that are based on best evidence.

Credit points: 12 **Campus:** Kelvin Grove

NSN427 Prevention of Violence Against Women

The unit explores the prevalence, incidence, and impact of abuse on the individual, family, community and society. A range of approaches to prevention and intervention will be explored, both from local, national and international

perspectives, to enable students to contextualise the learning to their discipline area.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove **Incompatible with:** Nil

NSN504 Clinical Fellowship

The advanced practice nurse (APN) is a registered nurse who operates at the advanced or specialty level within a nursing model of care. Having first received a comprehensive professional preparation, advanced practice nurses are subsequently prepared through intensive education, experience and competency assessment for their chosen speciality. Armed with the appropriate depth of specialist knowledge and skills, APNs work within a defined client population or area of nursing activity. The aim of this unit is to provide you with the educational and clinical preparation that enables you to function at the advanced level in your area of nursing speciality.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 24 **Campus:** Kelvin Grove

NSN506 Clinical Project

This unit offers students the opportunity to implement a project of clinical relevance and value to lead to the resolution of practical issues facing nursing. It advances and extends the student's learning from their clinical speciality and the supporting units.

Credit points: 24 **Contact hours:** Negotiated with Course Coordinator **Campus:** Kelvin Grove and External

NSN507 Contemporary Practice Issues

This unit allow students to explore current issues and develop their understanding through application of relevant theoretical frameworks to nursing practice in selected specialty areas. Students undertaking this unit will examine social, political and economic factors that shape and have shaped nursing practice, analyse factors influencing the organisation of nursing practice, and critically apply a theoretical framework to current issues relevant to nursing practice.

Credit points: 12 **Contact hours:** Negotiated with Course Coordinator **Campus:** Kelvin Grove and External

NSN508 Advanced Readings in Nursing

This unit 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 information retrieval, critical analysis and writing for publication.

Credit points: 12 **Campus:** Kelvin Grove and External

NSN515 Clinical Leadership and Management

This unit aims to extend students' understanding of contemporary issues and trends in the development of leadership in professional practice, strengthen their abilities to provide effective leadership and further develop skills in peer consultation and reflective practice as strategies to support a critical

approach to the provision of leadership in the workplace. The unit addresses strategic thinking and planning; organisational and interpersonal communication; decision making; team building; multidisciplinary teams; managing conflict; facilitating change; and creating growth-producing work environments.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN516 Sexual and Reproductive Health

This unit will bring together current research and evidence-based practice and information as well as, a health-oriented approach to the subject of sexuality and reproduction. The purpose of this unit is to highlight the fundamental issue that even though screening programs have emerged and improved women's health, women continue to have health problems that are unique to them as women. The aim of this unit is for the student to come to the understanding that a woman's sexual health encompasses not only the medical and physical components of sexual activity but a holistic understanding of physical and mental health. These are seen as being influenced by self-esteem, values, culture and socio-economic factors as well as societal influences.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN517 Women's Health Issues

This unit provides students with opportunities to develop and expand their theoretical knowledge and skills in the area of women's health, and utilises the primary health care framework in considering the major objectives for helping women achieve optimal health as documented in women's health policy. This unit aims to make primary health care professionals aware of the broader social context in which service, delivery and care take place.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN523 Clinical Studies

This unit aims to further develop and consolidate knowledge and skills in a selected clinical specialty. This unit will enable students to develop their skills in clinical judgement, and decision making in a specialty area of practice, as well as expanding their skills in establishing and maintaining effective relationships with clients and other health professionals. Students will be encouraged to demonstrate a reflective, self-evaluative approach to practice, and develop strategies that would enable the practitioner to facilitate change with respect to their specialty area of practice.

Credit points: 12 **Contact hours:** Negotiable **Campus:** Kelvin Grove and External

NSN626 Studies in Dementia

Dementia is characterised by progressive impairment of brain functions involving memory, perception, language, personality and cognition. Estimates of the prevalence of dementia have been reported as doubling every five years of age after the age of 65 and as affecting nearly one in four of those aged 85 and over (AIH&W, 2004). Providing services for people with dementia and support to their

carers presents a significant challenge to health service providers both now and into the future. The aim of this unit is to allow you to explore a range of health service delivery and community care issues associated with dementia, particularly Alzheimer's disease.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN701 Advanced Health Assessment

This unit aims to develop an advanced understanding of health assessment in nursing practice. This will be achieved by exploring the theoretical, conceptual and practical knowledge required to effectively assess the individual, family and their environment to provide nursing care within the context of specialist practice.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN721 Key Issues in Emergency and Intensive Care Nursing

Health service delivery is undergoing rapid change, and the nature and scope of nursing practice reflects this. Registered nurses working in Intensive Care and Emergency settings require the ability to care for patients that are increasingly critically ill in an environment that evidences increasingly complex technology. As such, registered nurses require knowledge and skills that enable them to understand a client's health needs, determine appropriate interventions, predict and manage complications, and develop specific plans of care for critically ill individuals and their families that are appropriate to their unique needs and personal context.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN722 Principles of Intensive Care Nursing

Registered nurses working in Intensive Care require the ability to care for patients who are increasingly critically ill in an environment that evidences increasingly complex technology. Nurses working in this field require an advanced level of knowledge of evidence based principles and practices appropriate to prevent and manage these health problems, as well as skills in the implementation and evaluation of intervention strategies, in the context of a multidisciplinary team.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN723 Specialisation in Critical Care Nursing

Critical care environments provide care for individuals with a diverse range of health problems. This unit will provide the opportunity for students to further develop and consolidate prior learning in a critical care clinical setting of their choice. In this unit students will expand on their theoretical, professional & practical knowledge to assess patients, plan and implement nursing care in a particular critical care environment.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

NSN724 Advanced Nursing Practice

This unit is designed to present a foundation of theoretical and practice concepts required for registered nurses to

provide effective, consumer focused nursing care within a variety of clinical contexts in a range of practice settings. The unit provides a framework from which students can develop an understanding of the impact of selected health problems on individuals, families, and communities. This will include practice concepts (philosophies, evidence based practice, competencies and continuity of care); physiological, pathophysiological and psychosocial underpinnings of advanced speciality or generalist practice; planning of appropriate strategies/interventions for client care; and development of selected technical skills.

Credit points: 12 **Campus:** Kelvin Grove and External

NSN725 Specialisation in Medical/Surgical and Cancer Nursing

This clinically based unit will provide the opportunity for students to further develop and consolidate prior learning in a clinical setting of their choice. This unit will enable students to discuss issues and trends occurring in nursing practice in a selected medical/surgical or cancer care environment, and critically analyse the advanced concepts that underpin specialist nursing practice. Students will demonstrate clinical judgement and reflective skills through the application of theoretical concepts to common health problems experienced by clients in a selected medical/surgical or cancer care environment. They will also initiate plans of care to address common needs/problems experienced by clients in this specialist field.

Prerequisite(s): NSN701 **Credit points:** 12 **Campus:** Kelvin Grove and External

NSN726 Advanced Clinical Practice

This unit aims to develop students' understanding of the theory, process and practice of advanced nursing in a designated practice context, to enable them to effectively prevent and manage common health problems experienced by individuals and families in a range of locations within their field. Content which relates to a broad range of clinical nursing practice will be addressed. This will include: physiological, pathophysiological and psychosocial underpinnings of advanced nursing practice across a broad range of body systems and health problems; planning of appropriate strategies/interventions for client care; and development of related technical skills.

Credit points: 12 **Campus:** Kelvin Grove and External
Incompatible with: NSN722

NSN727 Emergency Nursing Practice in Unique Client Population

Credit points: 12

NSN821 Promoting Healthy Ageing

Individuals' reactions to growing older are embedded in their cultural traditions and social experiences rather than determined through years of age. Responses to ageing are shaped to some extent by expectations about being old. Too frequently, older people are confronted with negative stereotypes, prejudice and discrimination – all forms of ageism. Now, more than ever, health professionals need to be conversant with the impact of an ageing population on services generally, and what government and community initiatives are in place for positive and healthy ageing.

Credit points: 12 **Contact hours:** 3 per week **Campus:**

Kelvin Grove and External

NSN822 Palliation in Dementia

Regardless of discipline, those working with older people, whether in the community or in residential care settings, need a broad and holistic understanding of the many issues associated with service delivery: legal, ethical, geographic, service access and availability, workforce issues and funding, among others. These issues impact on the type and quality of services delivered and therefore, on clients and their families. This Unit enables students to explore a range of complex issues relating to service provision for older people.

Credit points: 12 **Campus:** Kelvin Grove

NSN825-1 Thesis (Part 1)

The thesis provides students with an opportunity to formally extend and synthesise knowledge gained in earlier semesters of the course. The study represents an independent piece of research completed under the guidance of a supervisor. The thesis may be a study on research which makes a contribution to the body of knowledge in the student's discipline area or professional area, or a study in which the student critically analyses and evaluates existing knowledge and produces observations and conclusions of relevance to the field concerned. Part-time students complete NSN825-1 and NSN825-2. Full-time students complete NSN850. The final thesis is approximately 15,000 to 20,000 words.

Prerequisite(s): All required coursework **Credit points:** 24 **Campus:** Kelvin Grove and External

NSN825-2 Thesis (Part 2)

The thesis provides students with an opportunity to formally extend and synthesise knowledge gained in earlier semesters of the course. The study represents an independent piece of research completed under the guidance of a supervisor. The thesis may be a study on research which makes a contribution to the body of knowledge in the student's discipline area or professional area, or a study in which the student critically analyses and evaluates existing knowledge and produces observations and conclusions of relevance to the field concerned. Part-time students complete NSN825-1 and NSN825-2. Full-time students complete NSN850. The final thesis is approximately 15,000 to 20,000 words.

Prerequisite(s): All required coursework and NSN825-1 **Credit points:** 24 **Campus:** Kelvin Grove and External

NSN850 Thesis

The thesis provides students with an opportunity to formally extend and synthesise knowledge gained in earlier semesters of the course. The study represents an independent piece of research completed under the guidance of a supervisor. The thesis may be a study on research which makes a contribution to the body of knowledge in the student's discipline area or professional area, or a study in which the student critically analyses and evaluates existing knowledge and produces observations

and conclusions of relevance to the field concerned. Part-time students complete NSN825-1 and NSN825-2. Full-time students complete NSN850. The final thesis is approximately 15,000 to 20,000 words.

Prerequisite(s): All required coursework **Credit points:** 48 **Campus:** Kelvin Grove and External

OPB350 Optometry 3

Ophthalmic optics is continued with the study of neutralisation, spectacle lens design and prescribing parameters of lenses and frames. The theory and practice of keratometry, optometers, ophthalmoscopy and retinoscopy are also studied.

Prerequisite(s): PCB240, OPB250 **Corequisite(s):** PCB340, OPB351 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Kelvin Grove

OPB351 Visual Science 3

This unit includes a study of the basic visual sciences that underpins the practice of optometry. It covers the optics of the eye, including its basic design, dimensions and retinal quality as well as the psychophysical principles of vision.

Prerequisite(s): LSB250, PCB240, **Corequisite(s):** PCB340, OPB350, OPB352, **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

OPB352 Ocular Anatomy and Physiology 3

This unit provides information on the ocular anatomy and physiology that underlies the functional measurements made in optometry and their interpretation. It includes the structure and function of the anterior eye and orbit.

Prerequisite(s): LSB250, LSB275 **Corequisite(s):** OPB351 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

OPB450 Optometry 4

This is a continuation of studies in OPB350, and introduces the theory and practice of clinical techniques used in the examination of the patient and assessing visual functions. The subject is also the initial introduction to the care of patients in the Optometry Clinic.

Prerequisite(s): OPB350, OPB351, OPB352 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

OPB451 Visual Science 4

This subject continues studies commenced in OPB351, and provides students with an understanding of spatial, temporal, colour and binocular vision, and their influence on visual performance.

Prerequisite(s): OPB351, OPB352 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

OPB452 Ocular Anatomy and Physiology 4

This is a continuation of OPB352. The unit covers the posterior eye, orbit, neural pathways, eye movements, neurophysiology of vision and an introduction to electrophysiological techniques.

Prerequisite(s): OPB352, OPB351, OPB350 **Corequisite(s):** OPB451, OPB450 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

OPB550 Diseases of the Eye 5

This unit provides students with a knowledge and understanding of relevant general diseases and those that affect the eye. It includes general disease principles and processes, referral procedures, genetics, congenital, dystrophic and degenerative eye disease, and the ocular manifestation of general disease.

Prerequisite(s): OPB450, OPB451, OPB452, LSB492
Corequisite(s): OPB551, OPB552, OPB553 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

OPB551 Optometry 5

The student gains an understanding of the theory and practice of essential clinical techniques required to examine patients' eyes and assess visual function. The subject contains the development and management of refractive errors and binocular vision accommodation anomalies.

Prerequisite(s): OPB450, OPB451, OPB452
Corequisite(s): OPB550, OPB552, OPB553 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

OPB552 Advanced Optometry 5

This unit introduces the student to the theory and practice of advanced clinical techniques of vision assessment. It integrates these with the basic methods learned in OPB350, OPB450 and OPB551 and gives the student a thorough knowledge of all aspects of routine patient management. The unit covers areas such as visual fields, colour vision, gonioscopy, indirect ophthalmoscopy and geriatric optometry.

Prerequisite(s): OPB450, OPB451, OPB452
Corequisite(s): OPB550, OPB551, OPB553 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

OPB553 Clinical Practice 5

Clinical Practice 5 provides the vehicle for the application of examination techniques learned in previous and concurrent units. Emphasis is placed on communicating with patients, the fabrication of spectacles, basic contact lens practice and the development of appropriate clinical routines in eye examination.

Prerequisite(s): OPB450, OPB451, OPB452
Corequisite(s): OPB550, OPB551, OPB552 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

OPB650 Diseases of the Eye 6

This is a continuation of OPB550 and covers the ocular manifestations of general disease, neuro-ophthalmology, glaucoma, inflammations/infections, tumours and trauma.

Prerequisite(s): OPB550, OPB551, OPB552, OPB553
Corequisite(s): OPB651, OPB652, OPB653 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

OPB651 Contact Lens Studies

Contact lens design and fitting form the basis of this subject. Both soft and rigid contact lenses are covered together with lens materials, designs, manufacture, fitting assessments

and appropriate clinical techniques. The subject also focuses on corneal physiology, patient management and advanced contact lens fitting.

Prerequisite(s): OPB550, OPB551, OPB552, OPB553
Corequisite(s): OPB650, OPB652, OPB653 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Kelvin Grove

OPB652 Pharmacology

This subject covers both general and ocular pharmacology. It includes pharmacokinetic and pharmacodynamic principles, the mechanisms of action and therapeutic applications of drugs used in the treatment of general and ocular disease, and drugs used to assist in the diagnosis of ocular conditions.

Prerequisite(s): OPB550, OPB551, OPB552, OPB553
Corequisite(s): OPB650, OPB651, OPB653 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

OPB653 Clinical Practice 6

The subject is a continuation of OPB553, and enables students to apply eye examination techniques in a clinical setting. There is an emphasis on advanced communication skills, patient management and clinical decision-making.

Prerequisite(s): OPB550, OPB551, OPB552, OPB553
Corequisite(s): OPB650, OPB651, OPB652 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Kelvin Grove

OPB750 Topics in Optometry 7

Students are required to choose a research topic, conduct a literature search on this topic, develop experimental hypothesis, plan and undertake a research project. Students give oral presentations of their own research project. Presentations on advanced clinical care and decision making skills include lecture and tutorial presentations and case summaries.

Prerequisite(s): OPB650, OPB651, OPB652, OPB653
Corequisite(s): OPB751, OPB752, OPB753 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

OPB751 Advanced Optometry 7

This unit provides students with a thorough knowledge of more specialised areas of patient management including patients with low vision and paediatric patients.

Prerequisite(s): OPB650, OPB651, OPB652, OPB653
Corequisite(s): OPB750, OPB752, OPB753 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

OPB752 Clinical Practice 7

This unit enables students to apply knowledge and skills gained in third year to patients presenting for eye examinations, and to make decisions in effective patient management

Prerequisite(s): OPB650, OPB651, OPB652, OPB653
Corequisite(s): OPB750, OPB751, OPB753 **Credit points:** 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove

OPB753 Specialist Clinical Practice 7

This unit enables students to apply specialist clinical knowledge in the management of patients requiring contact lenses, vision training and low vision care.

Prerequisite(s): OPB650, OPB651, OPB652, OPB653
Corequisite(s): OPB750, OPB751, OPB752 **Credit points:** 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove

OPB850 Topics in Optometry 8

Students are required to analyse the results of their chosen research project and write a full report in manuscript form. Oral presentations of the project are given to their peers. Presentations on advanced clinical care and decision making skills include lecture and tutorial presentations and case summaries.

Prerequisite(s): OPB650, OPB651, OPB652, OPB653
Corequisite(s): OPB751, OPB752, OPB753 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

OPB851 Advanced Optometry 8

This unit includes 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. The unit introduces the basic concepts of eye safety and visual ergonomics

Prerequisite(s): OPB750, OPB751, OPB752, OPB753
Corequisite(s): OPB850, OPB852, OPB853 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

OPB852 Clinical Practice 8

This unit enables students to consolidate skills developed in OPB752, to increase their knowledge base and achieve surety with decision making involving the management of patients' eye and vision problems.

Prerequisite(s): OPB750, OPB751, OPB752, OPB753
Corequisite(s): OPB850, OPB851, OPB853 **Credit points:** 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove

OPB853 Specialist Clinical Practice 8

This unit continues to consolidate skills developed in OPB753 in the specialised clinical areas of contact lenses, low vision management and paediatric optometry.

Prerequisite(s): OPB750, OPB751, OPB752, OPB753
Corequisite(s): OPB850, OPB851, OPB852 **Credit points:** 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove

OPP001 Ocular Therapeutics 1

The aim of this unit is to provide optometrists with a sound knowledge of bio-medical sciences as they relate to ocular disorders and to enable them to therapeutically manage certain eye diseases. This unit covers: general pathology and immunology with reference to ocular tissues, microbiology with reference to organisms involved in ophthalmic diseases, pharmacology and pharmacodynamics including interaction of drugs with the body, disorders of the anterior eye, glaucoma, iritis and uveitis, management of cataract, post-surgical management, legal requirements for therapeutic drug use, workshops on skills related to the

management of disease.

Credit points: 24

OPP002 Ocular Therapeutics 2

This unit enables optometrists to develop an understanding of the properties of ocular therapeutic drugs and their applications in clinical practice, and to develop experience with the clinical management of certain eye diseases. The following topics are covered: Examination and diagnosis of anterior eye conditions (including acute red eye), glaucoma, iritis and uveitis, and cataract; development of management strategies including establishing appropriate treatment plans and evaluating the need for referral for specialist treatment; management of post-surgical conditions.

Credit points: 24 **Campus:** Kelvin Grove

PCB007 Patient Care in Professional Practice

This is an introductory subject emphasising the appropriate response to the health care needs of patients and the ethical, legal and clinical accountability of the medical radiation technologist for patient care. It includes resuscitation techniques, client-professional communication and interpersonal behaviour and skills.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB121 Vision, Colour and Photometry

This is the first unit in the Minor in Lighting and introduces the student to the nature of light, vision and the scientific interpretation and quantification of colour. Importantly the student learns the terminology used to describe and quantify different lighting situations; the meaning of luminance and illuminance, intensity and luminous flux, and the relationship between these parameters. The unit includes a significant proportion of practical work where students learn how to measure light and the above concepts are reinforced in practical situations.

Credit points: 12 **Contact hours:** 40 **Campus:** Gardens Point

PCB122 Lighting Design

The third unit in the Minor in Lighting looks at the principles of basic lighting design, determining the choice, number and location of lamps to achieve a particular result, and the factors that are involved in making these choices. Students will be introduced to Australian Standards for lighting in various situations and the need to ensure that these levels are reached. User-friendly lighting design programs will be available for assignments and lighting design will include commercial indoor lighting, public lighting and entertainment lighting.

Credit points: 12 **Contact hours:** 40 **Campus:** Gardens Point

PCB123 Sustainability and Human Factors

The last unit in the Minor in Lighting looks at the human factors involved in lighting; the factors such as glare and contrast that determine whether or not we like a particular lit environment, what looks good and what doesn't. This unit also includes the principles and practices of daylighting and lighting controls, and touches on environmental and sustainability issues.

Credit points: 12 **Contact hours:** 40 **Campus:**

Gardens Point

PCB124 Lamps and Luminaires

This unit introduces the student to the vast range of different lamp sources available today, including incandescents, discharge lamps and LEDs, explaining the important characteristics of each and hence providing an understanding of their different applications. The student is introduced to the concept of colour Rendering and Colour temperature of lamps. The unit also includes a look at the design of reflectors and refractors within the luminaire. The lecture material is supported by a number of practical experiments.

Corequisite(s): PCB121 **Credit points:** 12 **Contact hours:** 40 **Campus:** Gardens Point

PCB136 Engineering Physics 1C

This introductory unit covers: dynamics (motion in 1D, vectors, Newton's Laws, motion in 2D (including circular motion), uniform circular motion, work, energy and power potential energy and conservation of energy, linear momentum and collisions); waves (oscillatory motion, wave motion, sound waves, superposition and standing waves); geometrical optics (reflection, refraction, dispersion, Huygens' principle, image formation by mirrors and lenses, optical instruments); physical optics (interference of light, diffraction); thermal physics (temperature, thermometry, thermal expansion, heat and thermal energy, heat capacity and specific heat, latent heat, heat transfer).

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB150 Physics 1H

This unit introduces basic physical measurements, mechanics, heat, waves, acoustics and optics, and the instrumentation used to measure physical parameters.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point

PCB172 Physics for Surveyors

This unit includes the following: measurement and uncertainty kinematics (vector and scalar quantities, equations of motion); dynamics (friction, centripetal force, the hoist, impulse and momentum, periodic motion, work and energy); gravity circular motion, centripetal force, gravity, Kepler's Laws, orbits); fluid statics (pressure, barometry); fluid dynamics (fluid flow in pipes and channels, equation of continuity, Bernoulli's principle, viscous flow and Poiseuille's equation); optical instruments (reflection, refraction, total internal reflection, spherical mirrors, thin lenses, transits, theodolites, corner cubes, cameras); electric and magnetic fields; electrical circuits (electronic components).

Prerequisite(s): SA or better in at least 3 semesters of Senior Maths B or equivalent **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB178 Principles of Medical Radiations

This unit provides an overview of the physical principles of the various medical imaging modalities and techniques. It includes an overview of techniques used in the diagnosis and treatment of cancer.

Credit points: 12 **Contact hours:** 5 per week **Campus:**

Gardens Point

PCB240 Optics 1

This unit includes a study of selected topics in optics particularly related to aspects of optometry. Topics include geometrical optics in mirrors and lenses, including thick lenses, cylindrical, spherical and toric lenses, colour and colour measurement, photometry, lens aberrations and optical instruments.

Prerequisite(s): SA or better in Senior Physics **Contact hours:** 5 per week **Campus:** Gardens Point

PCB272 Radiation Physics

This unit includes the following: atomic structure, radioactivity, interaction of x-rays with matter; Radiation dosimetry; thermal physics, temperature, heat, thermal expansion; electric and magnetic fields, motion of charged particles; X-rays - properties and nature; X-ray tube construction and design; diagnostic and therapy tubes; high voltage generation, transformers, rectifiers, linear accelerators; ratings of X-ray tube, tube failure.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB276 General Radiography 1

This unit includes a program of lectures relating to radiography of the skeletal system, from preparation of the room and patient through to assessment of the final image.

Prerequisite(s): LSB145, PCB178 **Corequisite(s):** LSB245, PCB277 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB277 Radiographic Practice

This unit is a program of practical sessions relating to radiography of the skeletal system allowing the development of skills in patient positioning and image production.

Prerequisite(s): PCB007 **Corequisite(s):** PCB276 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

PCB286 Treatment Planning 1

This unit is an introduction to the techniques of radiotherapy treatment planning including patient data acquisition and radiation dosimetry.

Prerequisite(s): PCB178 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Gardens Point

PCB287 Megavoltage Therapy 1

This unit introduces the basic techniques of radiotherapy treatment delivery including beam direction and beam defining devices. Practical work is completed in hospital departments.

Prerequisite(s): PCB007, PCB178 **Corequisite(s):** LSB245 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Gardens Point

PCB340 Optics 3

This unit includes 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.

Prerequisite(s): OPB250, PCB240 **Corequisite(s):** OPB350 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

PCB375-1 Radiographic Equipment

This unit is an introduction to computer hardware, binary numbers and the digital image. A study of the equipment used in computed radiography, digital fluoroscopy, PACS and teleradiology is included. (12 credit points achieved at completion of PCB375-1 and PCB375-2.)

Prerequisite(s): PCB272 **Credit points:** 6 **Contact hours:** 2 per week **Campus:** Gardens Point

PCB375-2 Radiographic Equipment

This unit includes a discussion of scattered radiation and methods of dealing with scattered radiation. Image quality and evaluation is described as well as specialist radiographic imaging equipment for mammography and tomography. (12 credit points achieved at completion of PCB375-1 and PCB375-2.)

Prerequisite(s): PCB375-1 **Credit points:** 6 **Contact hours:** 2 per week **Campus:** Gardens Point

PCB377 General Radiography 2

This unit is an extension of topics introduced in PCB276 and includes more techniques of skeletal radiography, ward and operating theatre radiography, and examinations using contrast media. A program of practical sessions in skeletal imaging is included.

Prerequisite(s): PCB276, PCB277 **Corequisite(s):** PCB379 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

PCB379 Clinical Radiography 1

This unit offers clinical experiences in radiographic examinations introduced in PCB276 and PCB377. Experience is obtained in approved clinical departments.

Prerequisite(s): PCB277 **Corequisite(s):** PCB377 **Credit points:** 6 **Contact hours:** 160 over 4 weeks **Campus:** Gardens Point

PCB389 Clinical Radiotherapy 1

This unit offers clinical experience in radiotherapy related to topics introduced in PCB287 and PCB286. The programs are carried out in approved clinical departments.

Prerequisite(s): LSB245, PCB287 **Credit points:** 6 **Contact hours:** 200 over 5 weeks **Campus:** Gardens Point

PCB396 Radiotherapy Planning and Physics

This unit is an extension of the study of treatment planning introduced in PCB286 to the planning of complex techniques of photon therapy and electron therapy.

Prerequisite(s): LSB245, PCB286 **Corequisite(s):** PCB397-1 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

PCB397-1 Megavoltage Therapy 2

This unit includes the principles and applications of megavoltage therapy including techniques for specific sites. Practical exercises are performed in clinical departments.

Prerequisite(s): LSB345, PCB287 **Credit points:** 6 **Contact hours:** 5 per week **Campus:** Gardens Point

PCB397-2 Megavoltage Therapy 2

This unit includes the principles and applications of megavoltage therapy including techniques for specific sites. Practical exercises are performed in clinical departments.

Prerequisite(s): PCB397-1 **Credit points:** 6 **Contact hours:** 5 per week **Campus:** Gardens Point

PCB476 Special Procedures

This unit includes specialised techniques of radiography including the skull, macroradiography, obstetrics, gynaecology, CNS, paediatrics and geriatrics.

Prerequisite(s): PCB377, PCB379 **Corequisite(s):** PCB479 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB477 Complementary Imaging Techniques

This unit introduces the physical principles, equipment and applications of medical ultrasound and nuclear medicine imaging. It includes basic ultrasound scanning techniques and resultant imaging appearances for abdomen and pelvis, smart parts, musculoskeletal, and vascular applications.

Prerequisite(s): PCB178 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB479 Clinical Radiography 2

This unit includes clinical experience in approved departments in radiographic examinations discussed in PCB377 and PCB476.

Prerequisite(s): PCB379 **Corequisite(s):** PCB476 **Credit points:** 6 **Contact hours:** 200 over 5 weeks **Campus:** Gardens Point

PCB489 Clinical Radiotherapy 2

This unit includes clinical experiences in approved departments in techniques of radiation therapy.

Prerequisite(s): PCB389 **Credit points:** 6 **Contact hours:** 200 over 5 weeks **Campus:** Gardens Point

PCB495 Computer Assisted Treatment Planning 1

This unit includes a study of planning hardware and software to include two-dimensional planning and the development of concepts to an advanced level of understanding of computer-assisted optimisation of isodose distributions.

Prerequisite(s): LSB345, PCB396 **Corequisite(s):** PCB397-2 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB496 Radiotherapy Equipment

In this unit students will gain an understanding of the physics underlying the operation of a modern linear accelerator, the interaction of radiation with tissue, dose measurement and related quality assurance procedures.

Prerequisite(s): PCB272 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB505 Advanced Physical Chemistry

This unit offers a program in advanced physical chemistry based upon interactive learning and problem solving. Topics in modern advanced physical chemistry including

electrochemistry, catalysis, surfaces, quantum mechanics and statistical mechanics are offered. The theoretical framework is strongly supported by an experimental program with an emphasis on accuracy, precision and error estimation.

Prerequisite(s): PCB405 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB514 Instrumental Analysis

This unit provides a theoretical and practical framework for analysis with advanced instrumental techniques and includes the following: atomic spectroscopy; mass spectrometry; HPLC and IC; advanced methods of data analysis: multivariate analysis, pattern recognition, classification and prediction. A complementary practical program is included.

Prerequisite(s): SCB121 or PCB242, PCB414
Corequisite(s): PCB242 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

PCB524 Unit Operations

This unit includes the following: energy balances; principles of particle mechanics and the unit operations used to process solids; principles of fluid mechanics and the unit operations used to process fluids; principles of heat transfer and the unit operations involving heat transfer; rationale for the design and operation of the many individual processes (or 'unit operations'), which together make up a large part of any large scale process.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point

PCB554 Synthesis and Reactivity in Organic Chemistry

The principles and practice of synthesis planning; synthetically-useful reactions for interconversions of the common functional groups; carbon-carbon bond formation using organometallic reagents and enolates; selectivity and protection; aromaticity and heterocyclic chemistry.

Prerequisite(s): PCB354, PCB444 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

PCB561 Quantum and Condensed Matter Physics

The Quantum Mechanics section includes the main postulates of quantum mechanics, uncertainty principle, quantum measurements, superposition principle, operators, mathematical approaches in quantum mechanics, Schrodinger equation, infinite potential well, potential barrier, tunnelling effect, quantum oscillator, hydrogen atom, angular momentum, spin-orbit interaction, Hartree theory of multi-electron atoms, electronic transitions in atoms, selection rules, indistinguishable particles. The Condensed Matter Physics section includes Fermi energy, Fermi-Dirac distribution, density of states, electrical and thermal conduction, structure of Fermi surface, band structure of solids, Bloch functions, semiconductors, band gap, and the Hall effect.

Prerequisite(s): PCB462 and (MAB134 or MAB311)
Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB562 Physical Methods of Analysis

The theory and practice of important analysis techniques relevant to the materials sciences is covered with examples

drawn from industrial processes. Specific topics to be covered include the following: structure of crystals, types of lattice, unit cells, Miller indices, crystal diffraction, reciprocal space. X-ray diffraction, texture and stress analysis, X-ray fluorescence, electron microscopy.

Prerequisite(s): MAB112 or MAB132, PCB462 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point

PCB567 Advanced Radiographic Technique 1

This unit includes a study of the appearances of pathology on medical images with particular emphasis on the radiographic image. It also includes a course of lectures and practical exercises on image interpretation including technical and diagnostic quality and decision-making.

Prerequisite(s): LSB321, PCB476, PCB479
Corequisite(s): PCB580-1 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

PCB580-1 Clinical Radiography 3

This unit offers clinical experience in special radiographic procedures as introduced in PCB476, PCB567 and general radiography. (12 credit points achieved at completion of PCB580-1 and PCB580-2.)

Prerequisite(s): PCB479 **Corequisite(s):** PCB576
Credit points: 6 **Contact hours:** 240 over 6 weeks
Campus: Gardens Point

PCB580-2 Clinical Radiography 3

This unit offers clinical experience in advanced radiographic techniques as introduced in PCB567, and general radiography. (12 credit points achieved at completion of PCB580-1 and PCB580-2.)

Prerequisite(s): PCB580-1 **Credit points:** 6 **Contact hours:** 200 over 5 weeks **Campus:** Gardens Point

PCB584 Forensic Examination of Physical Evidence

This unit presents an overview of the crime scene: its investigation and management; detection and collection of physical evidence; blood splash evidence; fire investigation; bomb scene; forensic osteology; expert evidence; forensic photography; fingerprinting; forensic applications of optical and electron microscopy. Substantial laboratory and workshop sessions complements the theory.

Prerequisite(s): PCB414, SCB384 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

PCB587 Specialised Radiotherapy Technique 1

This course of lectures and practical exercises focuses on the specialised techniques of orthovoltage and superficial therapy. It also includes the study of radioactivity including methods of radiation detection, radioactive equilibrium and production of radioisotopes, the principles and application of brachytherapy.

Prerequisite(s): PCB397, PCB489 **Credit points:** 12
Contact hours: 6 per week **Campus:** Gardens Point

PCB590-1 Clinical Radiotherapy 3

This unit offers clinical experience in radiotherapy treatment and planning including specialised radiotherapy techniques as discussed in PCB587 and PCB595. (12 credit points achieved at completion of PCB590-1 and PCB590-2.)

Prerequisite(s): PCB489 **Credit points:** 6 **Contact**

hours: 200 over 5 weeks **Campus:** Gardens Point

PCB590-2 Clinical Radiotherapy 3

This unit offers clinical experience in radiotherapy treatment and planning including specialised radiotherapy techniques as discussed in PCB587 and PCB595. (12 credit points achieved at completion of PCB590-1 and PCB590-2.)

Prerequisite(s): PCB590-1 **Credit points:** 6 **Contact hours:** 200 over 5 weeks **Campus:** Gardens Point

PCB593 Digital Image Processing

This unit provides students with a basic understanding of the computer techniques used in image processing and reconstruction. Specific areas of study include the following: the structure of a digital image; image display techniques; grey scale palettes and look-up tables; Fourier transform theory; convolution theory; image processing hardware; image processing techniques, eg analysis, enhancement and restoration; spatial filtering; Fourier space filtering; methods of image reconstruction; 3D volume and surface rendering; applications of image processing in medicine, astronomy and remote sensing, etc.

Prerequisite(s): PQB250 or PCB250 or PCB375 or PCB496 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB595 Computer Assisted Treatment Planning 2

This unit includes the use of computers in the planning of non-standard and complex radiotherapy treatment including arc and rotation techniques, irregular field techniques and 3 dimensional plans. Use of 3D computer planning system is included.

Prerequisite(s): PCB495 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Gardens Point

PCB600 Advanced Radiation Practice

Includes topics from a number of areas and is designed to complement the particular background of persons undertaking a conversion program or requiring updates in specific skill areas.

Prerequisite(s): Previous completion of a Medical Radiations program **Credit points:** 12 **Campus:** Gardens Point

PCB604 Project

A research project carried out in association with a staff member, chosen from a variety of chemical problems reflecting the teaching, research and consultancy interests of the Chemistry staff.

Prerequisite(s): 4 advanced level Chemistry units **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

PCB605 Biomedical Instrumentation

This lecture/tutorial program includes an integrated practical component. The topics include the following: transducers; signal conditioning; sources of noise; guarding and shielding; analogue to digital and digital to analogue conversion; computer interfacing; data acquisition; sampling theorem; signal averaging; application of Fourier transforms; signal processing (digital filters); statistics of physical measurements, significance testing; least squares methods; interfacing microcontrollers to analogue circuits.

Prerequisite(s): PCB361 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

PCB614 Advanced Analysis

This unit includes the theoretical and practical framework of advanced analytical techniques, emphasising the analysis of materials and more difficult samples than those covered in previous units. Techniques include hyphenated mass spectrometry, analytical electron microscopy, thermal analysis and vibrational spectroscopy.

Prerequisite(s): PCB514 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB624 Chemistry in Industry and Technology

This unit includes mass transfer and heat transfer operations. The unit also includes field trips to various industrial sites, the preparation of field trip report, and a group problem-solving exercise.

Prerequisite(s): PCB524 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

PCB634 Organometallic and Coordination Chemistry

Major topics covered are as follows: organometallic chemistry, including metal-carbon bonding, main group and transition metal organometallics and applications of organometallic compounds in synthetic chemistry; bioinorganic chemistry; physical methods of structure determination, such as single crystal X-ray diffraction; chemical applications of group theory.

Prerequisite(s): PCB334 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

PCB644 Frontiers in Chemistry

This unit addresses a selection of topics in advanced chemistry from a range of evolving areas of relevance in modern chemistry and chemical technology such as nanotechnology, drug design, free-radical chemistry and trace metal speciation in environmental and biological systems. It includes the important issue of the societal and ethical implications of the profession of chemistry.

Prerequisite(s): PCB434, PCB505, PCB554 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB661 Experimental Physics

The content of experiments and projects will vary and be adapted to the interests of each student. Students work independently on sophisticated laboratory experiments or project work with a minimum of staff direction. Skills developed during this unit include communication, problem solving, time management, written and oral presentation, reflective practice, technological literacy skills and working independently.

Prerequisite(s): PCB361, PCB460 **Credit points:** 12 **Campus:** Gardens Point

PCB664 Lasers and Photonics

Laser and photonic technologies are rapidly maturing areas responsible for creating new industries and employment opportunities for scientists and engineers in the areas of information technology, manufacturing, sensing and health. In particular, the vast global optical communications industry has dramatically increased information transport rates

through the development of new laser sources and photonic devices. At the heart of all advances in photonics is a greater understanding of light-matter interactions and the processes used to fabricate devices. This unit is offered to science and engineering students who seek to understand the physical principles underpinning lasers and photonic devices and their use in a range of optical technologies.

Prerequisite(s): PQB251 or PCB260 or EEB340 and MAB134 or MAB311 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB665 Physics 3

This unit consists of three parts. Part A extends the content of previous units in electromagnetism and the application of Maxwell's equations, electromagnetic waves, polarisation, dielectric permittivity, transmission line theory, waveguides, optic fibre theory, antennae. Part B includes a detailed study of magnetic resonance and its applications. Part C presents the extension of studies in statistical mechanics, including microscopic approach to entropy, partition function, paramagnetism, perfect and real classical and quantum gases, phase equilibria, Bose-Einstein condensate, Brownian motion.

Prerequisite(s): PCB462, PCB561 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB667 Advanced Radiographic Technique 2

This unit is an extension of topics in advanced radiographic techniques and professional practice and includes a study of the principles and techniques used in advanced radiographic techniques including angiography, arthrography, sonography and sialography.

Prerequisite(s): PCB567, PCB580-1 **Corequisite(s):** PCB580-2 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB669 Astrophysics 2

This unit presents a theoretical background for the general theory of relativity and relativistic cosmology. This includes special theory of relativity, four-vectors and tensors, tensor calculus, covariant differentiation, least action principle and main postulates in special and general relativity, concepts of the interval and space-time metric, gravitation redshift, geodesic equation, energy tensor, Einstein equations for gravitational field, gravitational collapse, Schwarzschild metric, event-horizon for black holes, gravitational waves, cosmological principle, standard cosmological models, Robertson-Walker metric, dark energy, evolution of the universe, Big bang, cosmological horizons, cosmic background radiation, and cosmological redshift.

Prerequisite(s): PCB362 and MAB311 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB672-1 Project

This is a supervised project involving either application of existing theoretical practical knowledge or a literature survey of a selected relevant topic. (12 credit points achieved at completion of PCB672-1 and PCB672-2). Introductory lectures in research methods and statistics are provided.

Credit points: 6 **Campus:** Gardens Point

PCB672-2 Project

This is a supervised project involving either application of existing theoretical practical knowledge or a literature survey of a selected relevant topic. (12 credit points achieved at completion of PCB672-1 and PCB672-2.)

Prerequisite(s): PCB672-1 **Credit points:** 6 **Campus:** Gardens Point

PCB675 Radiation Safety and Biology

This unit includes a study of the biological effects of ionising radiation and the philosophy and protocol in radiation protection.

Prerequisite(s): PCB272 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

PCB681 Computed Tomography Imaging

This unit covers both the technological and clinical aspects of X-ray computed tomography (CT). Clinical applications described include those for specific anatomical areas as well as advanced and interventional applications. The strengths and weaknesses of CT in relation to other imaging modalities are discussed.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB682 Magnetic Resonance Imaging

This unit includes the physical principles and clinical techniques used in magnetic resonance imaging. The clinical applications for specific anatomical areas and pathologies are discussed.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

PCB684 Forensic Analysis and Toxicology

This unit provides a theoretical and practical framework for forensic analysis and toxicology. It includes topics such as nature and abuse of drugs; introduction to pharmacology and toxicology; illicit drugs and trace evidence; the application of GC, MS and IR in forensic examination; examination of trace evidence. Substantial laboratory and workshop sessions complement the theory.

Prerequisite(s): SCB121 or PCB242, PCB514 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

PCB687 Specialised Radiotherapy Technique 2

This unit includes a study of specialised radiotherapy techniques including techniques applicable to the child patient and patients with communicable disease, total body photon and electron therapy. It also covers the principles, strengths and stage of development of techniques that are integral or complementary to the modern radiotherapy treatment of cancer.

Prerequisite(s): PCB595 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Gardens Point

PCB695 Advanced Treatment Planning Topics

This unit is a study of the principles and techniques of medical imaging used in the detection of cancer including MRI, PET and SPECT. This study also covers future directions of three dimensional treatment planning, and IMRT.

Prerequisite(s): PCB595 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Gardens Point

PCB700-1 Research Project

Students undertaking Honours are required to select and undertake, in consultation with a supervisor, a substantial project in an appropriate area. Each project is assessed on the basis of an extensive written report and an oral presentation. (60 credit points achieved at completion of PCB700-1, PCB700-2, PCB700-3, PCB700-4 and PCB700-5.)

Credit points: 12 **Campus:** Gardens Point

PCB700-2 Research Project

Students undertaking Honours are required to select and undertake, in consultation with a supervisor, a substantial project in an appropriate area. Each project is assessed on the basis of an extensive written report and an oral presentation. (60 credit points achieved at completion of PCB700-1, PCB700-2, PCB700-3, PCB700-4 and PCB700-5.)

Credit points: 12 **Campus:** Gardens Point

PCB700-3 Research Project

Students undertaking Honours are required to select and undertake, in consultation with a supervisor, a substantial project in an appropriate area. Each project is assessed on the basis of an extensive written report and an oral presentation. (60 credit points achieved at completion of PCB700-1, PCB700-2, PCB700-3, PCB700-4 and PCB700-5.)

Credit points: 12 **Campus:** Gardens Point

PCB700-4 Research Project

Students undertaking Honours are required to select and undertake, in consultation with a supervisor, a substantial project in an appropriate area. Each project is assessed on the basis of an extensive written report and an oral presentation. (60 credit points achieved at completion of PCB700-1, PCB700-2, PCB700-3, PCB700-4 and PCB700-5.)

Credit points: 12 **Campus:** Gardens Point

PCB700-5 Research Project

Students undertaking Honours are required to select and undertake, in consultation with a supervisor, a substantial project in an appropriate area. Each project is assessed on the basis of an extensive written report and an oral presentation. (60 credit points achieved at completion of PCB700-1, PCB700-2, PCB700-3, PCB700-4 and PCB700-5.)

Credit points: 12 **Campus:** Gardens Point

PCB706 Quantum Mechanics

Review of operators and their role in quantum mechanics, different representations, Dirac notations and linear vector space, matrix approach to quantum mechanics, eigenvalues and eigenvectors, unitary transformations, R- and P-representations, tensor product of states, six postulates of quantum mechanics, concept of measurements, quantum entanglement, density matrix, general theory of angular momentum, quantum oscillator, two-level systems, non-relativistic theory of spin, spinors, theory of scattering, Born approximation, perturbation theory.

Prerequisite(s): PCB561 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB708 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.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCB742 Elective Unit

The subjects are chosen to suit individual students but the topics studied would normally be in specific areas of physical chemistry, analytical chemistry, inorganic chemistry or organic chemistry and would be chosen from subjects presently offered in the masters program or other post graduate programs. Relevant material from other accredited courses may be included as part or all of the requirement for this subject as directed by the Course Coordinator and Head of School.

Credit points: 12 **Campus:** Gardens Point

PCB780-1 Advanced Topics in Chemistry 1

This is the first semester component of a two-semester unit covering 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. (24 credit points achieved at completion of PCB780-1 and PCB780-2.)

Credit points: 12 **Contact hours:** 6 per week **Campus:** Gardens Point

PCB780-2 Advanced Topics in Chemistry 1

This is the second semester component of a two-semester unit covering 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. (24 credit points achieved at completion of PCB780-1 and PCB780-2.)

Credit points: 12 **Contact hours:** 6 per week **Campus:** Gardens Point

PCN112 Medical Imaging Science

This unit offers an introduction to programming techniques and algorithms and digital image processing; the principles of display, perception and interpretation of medical images; image quality. The second part, nuclear medicine, describes radioactive decay, radionuclide production, imaging systems and internal dosimetry.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCN113 Radiation Physics

This unit includes the following: radioactivity and the interaction of ionising radiation with matter; applied radiation counting techniques; radiation detectors; radiation dosimetry.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCN114 Microprocessors and Instrumentation

This unit includes the capabilities and limitations of a given instrument; design of interfaces between microcomputers and transducers; signal conditioning and signal conversion circuits for data acquisition.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCN121 Vision Colour and Photometry

This unit includes the following: measurement of luminous flux; luminous intensity; illuminance; luminance; reflectance; transmittance; diffuse surfaces; inverse square law; cosine law; Munsell and CIE Colour System; chromaticity coordinates Y_{xy} , $L^*A^*B^*$, Luv , correlated colour temperature, colour rendering indices; the integrating sphere; goniophotometry; distribution photometry; graphical representation of photometric data; measuring instruments; accuracy; repeatability; the physiology of the eye and light detection; contrast sensitivity; colour vision; adaptation; brightness and lightness; image detection and recognition including edge detection; lightness determination; the association of the characteristics of patterns.

Credit points: 12 **Campus:** Gardens Point

PCN122 Lighting Design

This unit includes the following: definition of the visual field; the extension of threshold studies to practical task situations; the evaluation of visual tasks; the development of measures of discomfort and disability glare; illuminance and glare scales; methods for the assessment of tasks and environments; experimental techniques of evaluation. It also includes the perception of colour, form, pattern and space, and issues relating to the perception and comprehension of the environment; aesthetics, perception and emotion; the practical methods available for predicting illuminances from daylight and uniform arrays of luminaires; the prediction of discomfort; appraisals; codes of practice; economics; maintenance; integration of daylight and electric light.

Credit points: 12 **Campus:** Gardens Point

PCN123 Sustainability and Human Factors

This unit will not cover all areas of specialised lighting, but rather will concentrate on the more important and general public lighting situations. Topics covered include emergency lighting requirements, road lighting, pedestrian lighting and sports lighting, with particular reference to standards for specialised lighting situations, equipment, required light distributions and calculation and design techniques. There is a need to fully understand the issues involved in designing for these applications and to be able to build a design that satisfies the requirements with quality and efficient lighting solutions.

Credit points: 12 **Campus:** Gardens Point

PCN124 Lamps and Luminaires

This unit includes the development of light sources, the practical requirements of light sources including tubular fluorescent lamps, various high and low pressure discharge lamps. Practical lamps are discussed in terms of luminous efficacy, spectral output, colour rendering, life, supply requirements, control gear, cost, etc. The unit also addresses the design, manufacture, testing and the provision of data on luminaires methods of light control; the properties of optical systems; refractors; reflectors and

diffusers; luminance control techniques; manufacture of luminaires and auxiliaries; codes and provision of photometric data for indoor and outdoor luminaires; the calculation of utilisation factors; luminaire luminances; computerised testing.

Corequisite(s): PCN121 **Credit points:** 12 **Campus:** Gardens Point

PCN155 Cardiac Ultrasound 1

A comprehensive understanding of two-dimensional echocardiography and M-mode (motion mode) echocardiography is essential for professionals working in this field. This includes a detailed understanding of cardiac anatomy and physiology as well as a basic understanding of the embryological development of the human heart. Topics include embryological development of the human heart, detailed anatomy of the adult human heart, physiology of the adult human heart, basic cardiac pharmacology, basic electrocardiograph (ECG) patterns, the routine adult two-dimensional and M-mode echocardiographic examination of the adult heart (including standard two-dimensional and M-mode measurements and calculations).

Corequisite(s): PCN497-1 **Credit points:** 12 **Contact hours:** 3 per week (internet) **Campus:** Internet and Gardens Point

PCN159 Ultrasonic Examination 1

The unit addresses the normal and abnormal anatomy and functions related to gynaecology and obstetrics, the ultrasonic techniques used and the appearance of related images. It includes a study of the technique 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.

Corequisite(s): PCN162, PCN197-1, PCN197-2 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

PCN162 Principles of Medical Ultrasound

This unit is designed to provide students with a thorough understanding of the physical processes involved in producing an ultrasound image, the features of ultrasound equipment and the role and responsibilities of the sonographer in producing a diagnostic examination. Topics include general scanning principles and considerations, care of equipment, physics of ultrasound, ultrasound equipment features, image production and processing, artefacts, image recording methods, quality control, biological hazards and safety issues, principles of Doppler ultrasound, care of the patient and communication issues.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

PCN184 Breast Imaging

This unit includes the following: medical imaging of the breast; principles of mammographic and sonographic imaging; breast anatomy and physiology; pathological conditions affecting the breast and its appearance; advanced mammographic techniques; mammographic and sonographic quality assurance.

Prerequisite(s): PCN162, PCN187 **Corequisite(s):** PCN397 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

PCN187 Specialist Studies - Breast Ultrasound Strand

This unit allows students to explore specialist techniques and applications through self-directed study and research.

Credit points: 12 **Campus:** Gardens Point

PCN197-1 Clinical Attachment 1

This is 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. (12 credit points achieved at completion of PCN197-1 and PCN197-2.)

Corequisite(s): PCN159, PCN162 **Credit points:** 6

Campus: Gardens Point

PCN197-2 Clinical Attachment 2

This is 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. (12 credit points achieved at completion of PCN197-1 and PCN197-2.)

Prerequisite(s): PCN197-1 **Corequisite(s):** PCN159, PCN162 **Credit points:** 6 **Campus:** Gardens Point

PCN211 Physics of Medical Imaging

This unit addresses the physical principles involved in the production of radiographic, ultrasonic and magnetic resonance images, and quality control protocols.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCN212 Radiotherapy

This unit provides an overview of the application of physics to radiotherapy including theoretical and practical aspects of the major topics in radiotherapy physics.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCN214 Health and Occupational Physics

This unit introduces the philosophy, protocols and practices of safety in the medical and industrial physics fields and the minimisation of hazards associated with radiation, and laser techniques.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PCN218 Research Methodology and Professional Studies

In the rapidly changing technological environment of medical physics and medical ultrasound it is essential that students develop basic research skills, data interpretation skills and written communication skills. Topics include the research process, data collection and analysis techniques, and writing and evaluating research reports. Students also require knowledge of the professional, basic management, legal and ethical issues involved in their particular speciality area. Topics include the role and purpose of professional bodies, professional communication, legal and ethical issues, and basic professional management techniques and

issues.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

PCN221 Best Practices in Lighting

Electrical energy usage and subsequent energy analysis techniques, advantages and disadvantages of choosing low energy lamps and luminaires, compromising low energy sources and quality lighting, sensors and sensing techniques for lighting control, energy conservation through dimming and lamp switching, daylighting techniques, potential for energy savings through daylighting, daylighting design and calculations.

Credit points: 12 **Campus:** Gardens Point

PCN222 Advanced Lighting Design

This unit includes the latest developments in lamp technologies and sources (including LEDs and lasers), lighting in the mesopic range, a review of factors influencing lighting design; discomfort and disability glare; illuminance and glare scale, methods for the assessment of tasks and environments; in-depth studies of colour, form, pattern and space, issues relating to the perception and comprehension of the environment; the practical effects of daylight, introduction to the integration of daylight and electric lighting. This is a very hands-on unit with a large component of computer design work, group discussions and site visits and evaluations.

Prerequisite(s): PCN122, PCN123 **Credit points:** 12

Campus: Gardens Point

PCN223 Lighting Applications

This unit builds on the material covered in PCN122 and looks in more depth at some of the applications covered in that unit, namely street lighting and public access lighting, as well as other areas not covered in that unit, including general floodlighting requirements and equipment, light distributions, calculation methods, area floodlighting, building floodlighting, pedestrian lighting, tunnel lighting, vehicle lighting, traffic signals, airport lighting, navigation lighting, display lighting, and advertising.

Prerequisite(s): PCN123 **Credit points:** 12 **Campus:** Gardens Point

PCN224 Applied Lighting

There is no set material for this unit. Students undertake an approved project over a semester on any topic relevant to their interest in lighting. The project may be predominantly a reading course, reviewing, comparing or analysing material on a specific topic, or it may be a practically oriented project involving manufacture, measurement or analysis of a particular lighting product or installation. The project may be taken at QUT or within the person's place of employment.

Credit points: 12 **Contact hours:** PH72, PH82

Campus: Gardens Point

PCN259 Cardiac Ultrasound 2

The field of medical ultrasound is scientifically based, in an environment that is rapidly changing and undergoing considerable technological advancement. Cardiac ultrasound (echocardiography) is a highly specialised technique for the assessment of the human heart. This unit extends and builds on the content of PCN155 by introducing

the principles and clinical applications of Doppler Echocardiography in the assessment of the adult heart as well as basic haemodynamic principles and calculations. In addition, this unit also covers the applications of cardiac ultrasound in the assessment of ischaemic heart disease and cardiomyopathies in the adult patient.

Prerequisite(s): PCN155 **Corequisite(s):** PCN497-2
Credit points: 12 **Contact hours:** 3 per week (internet)
Campus: Internet and Gardens Point

PCN297-1 Clinical Attachment 2

This unit includes a period of additional supervised clinical practice designed to expand and refine skills acquired in PCN197. (12 credit points achieved at completion of PCN297-1 and PCN297-2.)

Prerequisite(s): PCN159, PCN197-1, PCN197-2, PCN356
Credit points: 6 **Campus:** Gardens Point

PCN297-2 Clinical Attachment 2

This unit includes a period of additional supervised clinical practice designed to expand and refine skills acquired in PCN197. (12 credit points achieved at completion of PCN297-1 and PCN297-2.)

Prerequisite(s): PCN159, PCN197-1, PCN197-2, PCN297-1, PCN356 **Credit points:** 6 **Campus:** Gardens Point

PCN320 Lighting Project

This unit will be a project in some area of lighting in keeping with the student's interest. The project may be undertaken at QUT or within the student's place of employment and may be a project of direct interest and value to the student's employer.

Prerequisite(s): As appropriate **Corequisite(s):** As appropriate
Credit points: 24 **Campus:** Gardens Point

PCN321 Reading Topic 1

The make-up of this unit will be determined on a student-by-student basis, taking account of the student's interest, their proposed Master's project, and the availability of appropriate units. The units may be drawn from existing QUT units (including from PH72 GradDipLighting) or units from other universities in Australia.

Prerequisite(s): As appropriate **Corequisite(s):** As appropriate
Credit points: 12 **Campus:** Gardens Point

PCN322 Reading Topic 2

The make-up of this unit will be determined on a student-by-student basis, taking account of the student's interest, their proposed Master's project, and the availability of appropriate units. The units may be drawn from existing QUT units (including from PH72 GradDipLighting) or units from other universities in Australia.

Prerequisite(s): As appropriate **Corequisite(s):** As appropriate
Credit points: 12 **Campus:** Gardens Point

PCN355 Vascular Ultrasound

This unit includes the principles and equipment requirements of ultrasound applications in the cardiovascular system. It also includes the clinical techniques and diagnostic criteria of such applications, in particular those of the peripheral arterial and venous systems.

Prerequisite(s): PCN159, PCN162 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

PCN356 Ultrasonic Examination 2

This unit includes the ultrasound techniques used to examine the head, neck and peripheral organs and the ultrasonic appearance of normal and abnormal anatomy and pathology. It also includes ultrasound techniques in advanced obstetrics and gynaecology and in the abdomen.

Prerequisite(s): PCN159, PCN162 **Corequisite(s):** PCN197-1, PCN197-2 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

PCN357 Advanced Ultrasound Topics

This unit builds on content of PCN159 and PCN356 providing more advanced applications of ultrasound in obstetrics. This unit also provides a study of the applications of ultrasound techniques in paediatrics.

Prerequisite(s): PCN159, PCN162, PCN356
Corequisite(s): PCN297-1, PCN297-2 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

PCN359 Cardiac Ultrasound 3

Cardiac ultrasound (echocardiography) is a highly specialised technique for the assessment of the human heart. This unit extends and builds on the content of PCN155 and PCN259 by introducing concepts and techniques of the more complex haemodynamic calculations and by discussing the applications of these techniques to cardiac valvular disease, diseases of the aorta and hypertensive heart disease in the adult patient.

Prerequisite(s): PCN259, PCN497 **Corequisite(s):** PCN597-1 **Credit points:** 12 **Contact hours:** 3 per week (internet) **Campus:** Internet and Gardens Point

PCN397-1 Clinical Attachment

This is 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. (12 credit points achieved at completion of PCN397-1 and PCN397-2.)

Credit points: 6 **Campus:** Gardens Point

PCN397-2 Clinical Attachment

This is 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. (12 credit points achieved at completion of PCN397-1 and PCN397-2.)

Prerequisite(s): PCN397-1 **Credit points:** 6 **Campus:** Gardens Point

PCN459 Advanced Cardiac Ultrasound

Cardiac ultrasound (echocardiography) is a highly specialised technique for the assessment of the human heart. This unit extends and builds on the content of units PCN155, PCN259 and PCN359 by introducing more advanced applications of echocardiography. The advanced areas of diastolic function, unusual pathologies, the

assessment of congenital heart lesions in the adult patient, systemic causes of heart diseases, and new and evolving technologies are covered. Additionally, an overview of other diagnostic methods of the heart is presented in order to demonstrate the complementary nature of diagnostic testing.

Prerequisite(s): PCN155, PCN259, PCN359, PCN497

Corequisite(s): PCN597-2 **Credit points:** 12 **Contact hours:** 3 per week (internet) **Campus:** Internet and Gardens Point

PCN497-1 Clinical Attachment 4

The field of medical ultrasound is scientifically based, in an environment that is rapidly changing and undergoing considerable technological advancement. Cardiac ultrasound (echocardiography) is a highly specialised technique for the assessment of the human heart. This unit is an essential component of the course as it allows the student to be involved in extensive clinical experience that is complementary to all other units in the course. In this unit, basic echocardiographic skills are developed through employment and training in a QUT approved clinical department. Clinical skills are developed and evaluated by QUT approved clinical supervisors, in consultation with QUT academic staff. (12 credit points achieved at completion of PCN497-1 and PCN497-2.)

Corequisite(s): PCN155 **Credit points:** 6 **Contact hours:** 3 per week (internet) **Campus:** Internet and Gardens Point

PCN497-2 Clinical Attachment 4

The field of medical ultrasound is scientifically based, in an environment that is rapidly changing and undergoing considerable technological advancement. Cardiac ultrasound (echocardiography) is a highly specialised technique for the assessment of the human heart. This unit is an essential component of the course as it allows the student to be involved in extensive clinical experience that is complementary to all other units in the course. In this unit, basic echocardiographic skills are developed through employment and training in a QUT approved clinical department. Clinical skills are developed and evaluated by QUT approved clinical supervisors, in consultation with QUT academic staff. (12 credit points achieved at completion of PCN497-1 and PCN497-2.)

Prerequisite(s): PCN155, PCN497-1 **Corequisite(s):** PCN259 **Credit points:** 6 **Contact hours:** 3 per week (internet) **Campus:** Internet and Gardens Point

PCN520 Project (Full-time)

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 semester for full-time and two semesters for part-time students.

Credit points: 48 **Contact hours:** 18 per week **Campus:** Gardens Point

PCN540-1 Project (Part-time)

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 semester for full-time and two semesters for part-time students. (48 credit points achieved at completion of PCN540-1 and PCN540-2.)

Credit points: 24 **Contact hours:** 9 per week **Campus:** Gardens Point

PCN540-2 Project (Part-time)

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 semester for full-time and two semesters for part-time students. (48 credit points achieved at completion of PCN540-1 and PCN540-2.)

Credit points: 24 **Contact hours:** 9 per week **Campus:** Gardens Point

PCN597-1 Clinical Attachment 5

Cardiac ultrasound (echocardiography) is a highly specialised technique for the assessment of the human heart. This unit is an essential component of the course as it allows the student to be involved in extensive clinical experience that is complementary to all other units in the course. This unit builds on skills, knowledge and abilities gained in the unit PCN497. In this unit, basic skills are refined and expanded, and advanced echocardiographic skills are developed through employment and training in a QUT approved clinical department. Clinical skills are developed and evaluated by QUT approved clinical supervisors, in consultation with QUT academic staff. (12 credit points achieved at completion of PCN597-1 and PCN597-2.)

Prerequisite(s): PCN259, PCN497 **Corequisite(s):** PCN359 **Credit points:** 6 **Contact hours:** 3 per week (internet) **Campus:** Internet and Gardens Point

PCN597-2 Clinical Attachment 5

Cardiac ultrasound (echocardiography) is a highly specialised technique for the assessment of the human heart. This unit is an essential component of the course as it allows the student to be involved in extensive clinical experience that is complementary to all other units in the course. This unit builds on skills, knowledge and abilities gained in the unit PCN497. In this unit, basic skills are refined and expanded, and advanced echocardiographic skills are developed through employment and training in a QUT approved clinical department. Clinical skills are developed and evaluated by QUT approved clinical supervisors, in consultation with QUT academic staff. (12 credit points achieved at completion of PCN597-1 and PCN597-2.) (Please note: This unit is offered in Semester 1 2009 for special circumstances only - please consult the unit coordinator.)

Prerequisite(s): PCN359, PCN597-1 **Corequisite(s):** PCN459 **Credit points:** 6 **Contact hours:** 3 per week (internet) **Campus:** Gardens Point

PCN640-1 Project

In the rapidly changing technological environment of cardiac ultrasound it is important that students develop basic research skills, data interpretation skills and written communication skills. Students require these skills in order

to be able to evaluate and appraise the value of research reports as well as prepare their own written research reports. Students, having previously completed the coursework requirements of PH75 may elect to further develop their research skills by undertaking the project phase leading to the award PH85 Master of Cardiac Ultrasound. The project may take the form of a clinical research project or a feasibility study. The project is typically undertaken externally, under QUT supervision over 2 semesters (part-time). (48 credit points achieved at completion of PCN640-1 and PCN640-2.)

Prerequisite(s): PH75 **Credit points:** 24 **Contact hours:** 9 per week **Campus:** Gardens Point

PCN640-2 Project

In the rapidly changing technological environment of cardiac ultrasound it is important that students develop basic research skills, data interpretation skills and written communication skills. Students require these skills in order to be able to evaluate and appraise the value of research reports as well as prepare their own written research reports. Students, having previously completed the coursework requirements of PH75 may elect to further develop their research skills by undertaking the project phase leading to the award PH85 Master of Cardiac Ultrasound. The project may take the form of a clinical research project or a feasibility study. The project is typically undertaken externally, under QUT supervision over 2 semesters (part-time). (48 credit points achieved at completion of PCN640-1 and PCN640-2.)

Prerequisite(s): PH75, PCN640-1 **Credit points:** 24 **Contact hours:** 9 per week **Campus:** Gardens Point

PCN701 Topics in Advanced Chemistry 1

This unit includes 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.

Credit points: 12 **Campus:** Gardens Point

PCN705-1 Research Methodology

This unit is a guided program of literature surveys to provide the background information for the research project. This unit enables students to develop verbal and oral communication skills required for the successful conduct of a chemical research project. During the course students will be required to attend and participate in seminars. Students must present two seminars on their own research. (12 credit points achieved at completion of PCN705-1 and PCN705-2.)

Credit points: 6 **Campus:** Gardens Point

PCN705-2 Research Methodology

This unit includes a guided program of literature surveys to provide the background information for the research project. This unit enables students to develop verbal and oral communication skills required for the successful conduct of a chemical research project. During the course students will be required to attend and participate in seminars. Students must present two seminars on their own research. (12 credit points achieved at completion of PCN705-1 and PCN705-2.)

Prerequisite(s): PCN705-1 **Credit points:** 6 **Campus:** Gardens Point

PCN710 Chemical Instrumentation

This unit presents chemical instrumentation and electronics required for advanced level operation of scientific instrumentation.

Credit points: 12 **Campus:** Gardens Point

PCN715 Advanced Topics in Physics 1

This unit provides a focused theoretical foundation for each students research program or other advanced topics in physics and develops a high level of theoretical understanding of the physical principles involved.

Credit points: 12 **Campus:** Gardens Point

PCN716 Advanced Topics in Physics 2

This unit provides a focused theoretical foundation for each students research program or other advanced topics in physics and develops a high level of theoretical understanding of the physical principles involved.

Credit points: 12 **Campus:** Gardens Point

PCN720 Chemometrics

This unit includes the following: the concepts of chemical data acquisition and interpretation; 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.

Credit points: 12 **Campus:** Gardens Point

PCN730 Advanced Physical Methods in Chemistry

This unit includes the theoretical and practical principles of selected physical methods in chemistry.

Credit points: 12 **Campus:** Gardens Point

PCN740 Laboratory Techniques for Preparative Chemistry

This unit includes the experimental techniques for the preparation and isolation of pure substances.

Credit points: 12 **Campus:** Gardens Point

PCN801 Topics in Advanced Chemistry 2

This unit includes 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.

Credit points: 12 **Campus:** Gardens Point

PCZ121 Vision Colour and Photometry

This unit includes the following: measurement of luminous flux; luminous intensity; illuminance; luminance; reflectance; transmittance; diffuse surfaces; inverse square law; cosine law; Munsell and CIE Colour System; chromaticity coordinates Yxy, L*A*B*, Luv, correlated colour temperature, colour rendering indices; the integrating sphere; goniophotometry; distribution photometry; graphical representation of photometric data; measuring instruments; accuracy; repeatability; the physiology of the eye and light

detection; contrast sensitivity; colour vision; adaptation; brightness and lightness; image detection and recognition including edge detection; lightness determination; the association of the characteristics of patterns.

Credit points: 12 **Campus:** City University of Hong Kong

PCZ122 Lighting Design

This unit includes the following: definition of the visual field; the extension of threshold studies to practical task situations; the evaluation of visual tasks; the development of measures of discomfort and disability glare; illuminance and glare scales; methods for the assessment of tasks and environments; experimental techniques of evaluation. It also includes the perception of colour, form, pattern and space, and issues relating to the perception and comprehension of the environment; aesthetics, perception and emotion; the practical methods available for predicting illuminances from daylight and uniform arrays of luminaires; the prediction of discomfort; appraisals; codes of practice; economics; maintenance; integration of daylight and electric light.

Credit points: 12 **Campus:** City University of Hong Kong

PCZ123 Sustainability and Human Factors

This unit will not cover all areas of specialised lighting, but rather will concentrate on the more important and general public lighting situations. Topics covered include emergency lighting requirements, road lighting, pedestrian lighting and sports lighting, with particular reference to standards for specialised lighting situations, equipment, required light distributions and calculation and design techniques. There is a need to fully understand the issues involved in designing for these applications and to be able to build a design that satisfies the requirements with quality and efficient lighting solutions.

Credit points: 12 **Campus:** City University of Hong Kong

PCZ124 Lamps and Luminaires

This unit includes the development of light sources, the practical requirements of light sources including tubular fluorescent lamps, various high and low pressure discharge lamps. Practical lamps are discussed in terms of luminous efficacy, spectral output, colour rendering, life, supply requirements, control gear, cost, etc. The unit also addresses the design, manufacture, testing and the provision of data on luminaires methods of light control; the properties of optical systems; refractors; reflectors and diffusers; luminance control techniques; manufacture of luminaires and auxiliaries; codes and provision of photometric data for indoor and outdoor luminaires; the calculation of utilisation factors; luminaire luminances; computerised testing.

Corequisite(s): PCZ121 **Credit points:** 12 **Campus:** City University of Hong Kong

PCZ221 Best Practices in Lighting

Electrical energy usage and subsequent energy analysis techniques, advantages and disadvantages of choosing low energy lamps and luminaires, compromising low energy sources and quality lighting, sensors and sensing techniques for lighting control, energy conservation through dimming and lamp switching, daylighting techniques, potential for energy savings through daylighting, daylighting design and calculations.

Credit points: 12 **Campus:** City University of Hong Kong

PCZ222 Advanced Lighting Design

This unit includes the latest developments in lamp technologies and sources (including LEDs and lasers), lighting in the mesopic range, a review of factors influencing lighting design; discomfort and disability glare; illuminance and glare scale, methods for the assessment of tasks and environments; in-depth studies of colour, form, pattern and space, issues relating to the perception and comprehension of the environment; the practical effects of daylight, introduction to the integration of daylight and electric lighting. This is a very hands-on unit with a large component of computer design work, group discussions and site visits and evaluations.

Prerequisite(s): PCZ122, PCZ123 **Credit points:** 12

Campus: City University of Hong Kong

PCZ223 Lighting Applications

This unit builds on the material covered in PCN122 and looks in more depth at some of the applications covered in that unit, namely street lighting and public access lighting, as well as other areas not covered in that unit, including general floodlighting requirements and equipment, light distributions, calculation methods, area floodlighting, building floodlighting, pedestrian lighting, tunnel lighting, vehicle lighting, traffic signals, airport lighting, navigation lighting, display lighting, and advertising.

Prerequisite(s): PCZ123 **Credit points:** 12 **Campus:** City University of Hong Kong

PCZ224 Applied Lighting

There is no set material for this unit. Students undertake an approved project over a semester on any topic relevant to their interest in lighting. The project may be predominantly a reading course, reviewing, comparing or analysing material on a specific topic, or it may be a practically oriented project involving manufacture, measurement or analysis of a particular lighting product or installation. The project may be taken within the person's place of employment.

Credit points: 12 **Campus:** City University of Hong Kong

PCZ320 Lighting Project

This unit will be a project in some area of lighting in keeping with the student's interest. The project may be undertaken at QUT or within the student's place of employment and may be a project of direct interest and value to the student's employer.

Prerequisite(s): As appropriate **Corequisite(s):** As appropriate **Credit points:** 24 **Campus:** City University of Hong Kong

PCZ321 Reading Topic 1

The make-up of this unit will be determined on a student-by-student basis, taking account of the student's interest, their proposed Master's project, and the availability of appropriate units. The units may be drawn from existing QUT units (including from PH73 GradDipLighting) or units from other universities in Australia.

Prerequisite(s): As appropriate **Corequisite(s):** As appropriate **Credit points:** 12 **Campus:** City University of Hong Kong

PCZ322 Reading Topic 2

The make-up of this unit will be determined on a student-by-student basis, taking account of the student's interest, their proposed Master's project, and the availability of appropriate units. The units may be drawn from existing QUT units (including from PH73 GradDipLighting) or units from other universities in Australia.

Prerequisite(s): As appropriate **Corequisite(s):** As appropriate **Credit points:** 12 **Campus:** City University of Hong Kong

PQB250 Mechanics and Electromagnetism

The experimental means by which we have arrived at our modern understanding of the universe is central to the scientific philosophy. Students of physics and physics related areas need to possess skills in quantitative handling, processing, communication and evaluation of data. Higher level studies in specialised areas of Physics require a familiarity with a range of fundamental topics in Physics and an ability to apply critical thinking and advanced mathematical techniques to the analysis and solution of Physical problems. This first-level unit lays the foundation for these higher level studies by introducing the fundamental topic areas of mechanics and electromagnetism.

Prerequisite(s): MAB100 or SA in Senior Maths B (assumed knowledge) **Corequisite(s):** MAB111 and MAB112 **Credit points:** 12 **Contact hours:** 4.5 hours per week **Campus:** Gardens Point **Incompatible with:** PCB250, PQB123

PQB251 Waves and Optics

Wave phenomena are used to describe and explain many of the physical processes in the universe. Sound and light are the most commonly experienced of these and have far-reaching human applications, including their use as experimental tools for science. The study of wave phenomena has led to the development of quantum mechanics, a cornerstone of modern scientific thought. This first-level unit lays the foundation for discussion of wave phenomena in higher level studies, but will also be relevant to those not considering progressing to a Physics major but wishing to understand more of the Physical world in which we live.

Prerequisite(s): SA in Senior Maths B (assumed knowledge) **Credit points:** 12 **Contact hours:** 4.5 hours per week **Campus:** Gardens Point **Incompatible with:** PCB260

PQB312 Analytical Chemistry For Scientists and Technologists

Reliable chemical analysis and testing is fundamental to the functioning of our society. This generic unit is designed for future scientists and technologists in the fields of chemistry, forensic science and other similar sciences. It introduces students to concepts of quality assurance, good laboratory practice and the vital instrumental areas of analysis à chromatography and spectroscopy. Laboratory work is a key extensive activity in this unit.

Prerequisite(s): SCB131 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point

PQB313 Analytical Chemistry For Industry

A modern chemist working in industry requires a thorough understanding of the fundamentals of analytical chemistry on which applications in sophisticated, state-of-the-art instrumental methods are based. This unit provides students with a grounding in the classical qualitative and quantitative gravimetric and wet analysis, together with common spectrophotometric and electrochemical methods of analysis. Through the practical program in this unit, students will be able to learn the connections between the theoretical aspects of analytical chemistry and the work in the laboratory. The chemistry behind some applications of these methods is also discussed, eg water, fertilisers, foods, minerals, metals, etc.

Prerequisite(s): SCB131 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point

PQB331 Structure and Bonding

This unit provides detailed coverage of the theories of bonding in organic, inorganic and coordination compounds including orbital hybridisation valence bond theory, coordination theory and crystal field theory. The cause and effect relationships between bonding and structure are developed leading to an understanding of structural variability, chirality, and other modes of isomerism for a broad range of chemical compounds. An introduction to molecular symmetry, which is central to the study of molecular geometry and shape, also provides the background for later studies in spectroscopy. Lectures are complemented by 7 laboratory experiments and 4 hands-on style workshops.

Prerequisite(s): SCB131 and either SCB113 or SCB121 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point

PQB350 Thermodynamics of Solids and Gases

This unit provides students with an overview of the basic thermodynamic principles that describe how heat and other forms of energy are transported through matter in its solid and gaseous states. Through integrated lecture and practical classes, it provides students with a foundation for more advanced studies later in areas such as condensed matter physics and quantum mechanics. The three areas of study in this unit; thermodynamics, solid state physics and statistical physics; are essential core topics if students are considering postgraduate study in the physical sciences or professional employment as a physicist.

Prerequisite(s): PQB250 and MAB111 **Corequisite(s):** MAB311 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PQB360 Global Energy Balance and Climate Change

Modern societies are becoming increasingly aware of potential environmental problems associated with conventional energy production technologies. Application of alternative technologies is therefore increasing, with ambitious targets and plans to support research and development for reducing energy related environmental consequences. This unit is designed to offer science and engineering students an opportunity to gain awareness about the expanding field of alternative energy technologies and to understand relationships between use of energy and its impact on local and global environment.

Prerequisite(s): MAB112 or MAB132 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

PQB401 Reaction Kinetics, Thermodynamics and Mechanisms

This unit deals with the way in which the fundamental concepts of physical chemistry govern the extent and rates of chemical reactions and applies them to actual reaction types from the fields of organic and inorganic chemistry. Topics include: thermodynamics including enthalpy, heat capacity, entropy, Gibbs free energy, chemical equilibria and an introduction to electrochemistry; chemical kinetics including rate laws, mechanisms of chemical reactions, collision theory of reaction rates and the steady state principle as well as acids and bases in both aqueous and non aqueous environments.

Prerequisite(s): PQB331 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point

PQB404 Nanotechnology and Nanoscience

Nanotechnology is the science of constructing molecular-scale devices and of their applications. Like biotechnology, it is a growth industry and has the potential to significantly affect our lives and the world in which we live. Nanotechnology is truly interdisciplinary, it draws on the strengths of all the basic sciences. The lecture component of the unit will comprise an introduction to the field of Nanotechnology and Nanoscience, with a bias towards Chemical Technology applications derived from the Physical Sciences. The laboratory component will focus on the techniques currently used to characterise and manipulate nanoscale material and the construction of functional devices from nanoscale, molecule components.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PQB423 Process Principles

This unit will provide students with an understanding of the fundamentals of mass and energy balances around a system whether that system be a piece of laboratory equipment, an individual industrial operation, a combination of industrial operations, or a natural phenomenon. It will also assist students to develop generic skills in reporting and oral presentation through an individual investigation of a global mass or energy balance.

Prerequisite(s): SCB111, SCB131 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

PQB442 Chemical Spectroscopy

Spectroscopic techniques are now widespread in scientific laboratories. An appreciation of both the principles and practice of spectroscopy is essential for those contemplating a career in chemistry. The use of spectroscopic methods to elucidate molecular structure provides an excellent vehicle for training in the scientific method, particularly the logical application of experimental data to deduce the solution to a complex problem. Whilst the fundamental theoretical concepts will be dealt with in the early part of the unit, later emphasis will be on developing practical skills in problem solving, a skill of value to all fields of scientific and technological endeavour.

Prerequisite(s): PQB331 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PQB450 Energy, Fields and Radiation

The common theme of the topics covered in this unit is fields, the energy contained in these fields and the transfer of this energy. This theme is addressed in the specific topics of classical mechanics, electromagnetism and radiation physics. The classical mechanics and electromagnetism components build on material presented in introductory units and apply this to complex real world problems. The unit is designed to prepare students for more advanced studies in these areas but the unit will also provide a useful background for students undertaking a comajor in Physics or preparing for a career in secondary education.

Prerequisite(s): PQB250 and MAB311 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

PQB451 Electronics and Instrumentation

Instrumentation plays an increasingly important role in the life of a scientist. This unit is designed to give the student a working knowledge in instrumentations and the principles of circuit theory and electronics that underlie instrumentation. It is offered at this stage of the program since it relies on work developed in the earlier advanced-level units and provides a basis for experimental work in later units.

Prerequisite(s): PQB250 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PQB460 Astrophysics 1

This second level unit is one of the key units in the astrophysics co-major and introduces students to most of the main aspects of astrophysics. This unit is essential as it defines the connections between the supporting units of the co-major. Students are required to use the knowledge and skills developed in first level physics, maths and natural resource units.

Prerequisite(s): SCB123 or PCB136 or PCB150 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PSB614 Urban and Rural Design Principles

This unit includes the following: 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; the physical, economic and social determinants of land use; land development as an economic activity; economic and social benefits of land development controls; geometric layout of rural and urban roads for urban subdivisions; site analysis and assessment including traffic planning; storm water and sewerage systems; provision and location of services; controls affecting subdivisions (negotiations, applications, appeals and preparations for Court).

Prerequisite(s): PSB613 **Contact hours:** 4 per week
Campus: Gardens Point

PSB615 Urban and Rural Design Practice

This unit includes 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.

Prerequisite(s): PSB614 **Contact hours:** 4 per week

Campus: Gardens Point

PSB621 Advanced Cadastral Surveying

This unit includes the following: 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; information technology and land use controls; procedures of the various departments including but not confined to, the Department of Lands, Resources Industries.

Prerequisite(s): PSB620 **Contact hours:** 4 per week

Campus: Gardens Point

PSB632 Photogrammetry

This unit includes the following: basic elements of the photogrammetric mapping process; planning and execution of the project control for photogrammetry; mathematics for photogrammetry, geometry and use of a stereo model; space resection of a single photograph; aerotriangulation with independent method; block triangulation by bundle method GPS controlled photography; principles of plotting with a stereoplotter; rectification of Photographs; acquisition of plan and height points; accuracy assessment; digital mapping and its relationship to Geographic Information Systems and remote sensing.

Prerequisite(s): PSB631, PSB642 **Contact hours:** 4 per week

Campus: Gardens Point

PSB633 Map Production: Principles and Practice

This unit includes the following: map design, production principles, production practice and publishing; reprographics and printing methods; desktop publishing; colour system for cartographic drawing; colour separation; grid and graticules and design layout; interactive mapping and selection of layers; generalisation and symbolisation.

Prerequisite(s): PSB632 **Contact hours:** 4 per week

Campus: Gardens Point

PSB644 Advanced Geodesy

This unit includes the following: GPS operation and navigation messages; GPS observable and error budget; differencing techniques; GPS positioning models and algorithms; software; GPS field observing; static, kinematic, RTK and various GPS applications in geomatics. It also includes a practical on the GPS network.

Prerequisite(s): PSB643 **Contact hours:** 5 per week

Campus: Gardens Point

PSB645 Surveying and Mapping Practice

This unit includes the following: field surveys for DTMs as constructed surveys; associated specifications and standards; mining surveying for surface and below surface mining activities; hydrographic surveying for exploration and port management.

Prerequisite(s): PSB642 **Contact hours:** 5 per week

Campus: Gardens Point

PSB650 Project 1

Students study an existing approved unit from within the School, Faculty or University. Students study the chosen unit under the above elective code or students study a special topic of interest such as a series of lectures delivered by a specialist in that field, in which case a unit outline is prepared and issued before the commencement of the unit. Students study under the above elective code. In the case of an approved stream of study, students may be allowed to enrol in the actual code of the unit being taken.

Campus: Gardens Point

PSB651 Project 2

Students study an existing approved unit from within the School, Faculty or University. Students study the chosen unit under the above elective code or students study a special topic of interest such as a series of lectures delivered by a specialist in that field, in which case a unit outline is prepared and issued before the commencement of the unit. Students study under the above elective code. In the case of an approved stream of study, students may be allowed to enrol in the actual code of the unit being taken.

Campus: Gardens Point

PSB652 Topics in Land Administration

Students study Topics in Land Administration delivered by a specialist in that field. A unit outline is prepared and issued before the commencement of the unit.

Contact hours: 4 per week **Campus:** Gardens Point

PSB653 Topics in Surveying Engineering

Students study a special topic in Surveying Engineering delivered by a specialist in that field.

Contact hours: 4 per week **Campus:** Gardens Point

PSB655 Remote Sensing

This unit includes the following: history and principals of remote sensing; types of imagery, image interpretation, satellite systems; supervised and unsupervised image classification; interpretation, analysis and presentation of data; applications in the earth sciences.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

PSN211 Research Project 1

This unit covers understanding and demonstration of relevant research skills and their effective application in a project of genuine substance and significance. Each student undertake a research project in one of the elected specialisations: landscape; design, planning, theory, practice, or management. Each student is assigned to a supervisor approved by the Course Coordinator. Supervisors provide guidance on the selection of topic, investigation and research, and preparation of the proposals and submission. Research Project 1 incorporates advanced information retrieval skills. The output is a proposal for the specific research project that outlines the relevant base theory and clearly communicates the potential extent of the research project.

Contact hours: 3 per week **Campus:** Gardens Point

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 undertakes a research project in one of the elected specialisations: landscape design, landscape planning, landscape theory, landscape practice or landscape management. Each student is assigned to a supervisor approved by the Course Coordinator. In general, the supervisor provides guidance on the selection of a 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 a professional standard.

Prerequisite(s): PSN211 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

PSN213 Specialisation

This unit ensures personalised study that will support the student's elected specialisation and contributes directly to the better understanding of the research project topic. Students undertake study to develop specialised knowledge and skills related to the specific specialisation and to support the direction of the proposed research project topic. Study is 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 in their areas of expertise and approved by the Head of School on the recommendation of the student's supervisor.

Prerequisite(s): Completion of any prescribed qualifying units. **Contact hours:** 3 per week **Campus:** Gardens Point

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 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.

Contact hours: 3 per week **Campus:** Gardens Point

PSP268 Site Planning

This unit includes the following theory: introduction to the processes of site planning and detailed site design; role and objectives of survey and analysis phases; types of information required and the methods of processing the resultant data; data analysis, its scope and documentation. It also includes the use of data analysis to generate and evaluate possible problem solutions in conceptual form as a basis for strategic and master planning and the value of these processes as a long term mechanism for adaptation of master planning to meet changing needs. It involves the application of site planning principles and theory for different scales and types of projects.

Campus: Gardens Point

PSP269 Advanced Construction and Practice 1

This unit includes the following: theory and techniques involved in a large range of landscape construction; the types of documentation used for the implementation of

landscape works; computer aided drafting systems; principles of contract law, forms and requirements of contracts; principles of marketing, client analysis and promotion.

Campus: Gardens Point

PSP270 Elective

The profession of landscape architecture is increasingly characterised by the breadth of activities in which its practitioners engage. Therefore, there is a need to provide mechanisms within the course for some specialisation in particular directions in addition to ensuring the acquisition of core competencies required for professional accreditation. This unit is intended to provide that flexibility. A number of cross disciplinary specialisations are offered such as social and environment planning, contemporary art issues, and virtual environments.

Campus: Gardens Point

PSP271 Advanced Landscape Design 1

This unit addresses contemporary theories of urban design as they affect the range of urban landscapes from residential to inner city; emerging theories and concepts of regional and local economic development as they relate to sustainable landscapes in terms of living and working environments. It includes application of theoretical frameworks to the studio project that will explore design or re-design of selected aspects of the urban environment, residential environments and broader urban issues of the contemporary urban context. Expectations of an advanced level of professional presentation will attach to the project output.

Campus: Gardens Point

PSP272 Advanced Construction and Practice 2

This unit includes the theory and techniques involved in the wide range of landscape construction including the types of documentation used for the implementation of landscape works, computer aided drafting systems; the principles of contract law, forms and requirements of contracts; the principles of marketing, client analysis and promotion.

Campus: Gardens Point

PSP273 Landscape Planning

This unit includes the theoretical framework of landscape planning: relevant theories, methods, and techniques for application in the landscape planning process. It also includes computer modelling: types of GIS, potentials and problems, and current issues and advanced landscape ecology: structure of landscapes, impacts of human settlement. Studies include medium to large scale projects involving a range of biophysical, cultural, and visual issues with a relatively high degree of complexity. The focus is on assessment and evaluation of related landscape attributes and issues with emphasis on deriving landscape management options in the form of environmental plans, policies, guidelines, and implementation strategies.

Campus: Gardens Point

PSP274 Advanced Landscape Design 2

This unit considers cultural values and provides the theoretical background to an understanding of how these values influence place making through interpretations of

place and the cultural landscape. The studio project focus of this unit provides the opportunity to develop a graduating landscape design project of the highest standard. The project will explore broad scale landscape design and strategic planning and planning guidelines as well as detailed design at a fine scale.

Campus: Gardens Point

PSP451 Production and Use of the Built Environment

This unit investigates the roles and combined effects of the initiators of the built environment, in the public, private and community sectors. The aim of the unit is to provide a synthesised understanding of how the city is created by the priorities and approaches of a variety of professionals, political decision-makers and informal participants. The property, finance and construction industries, the legal and administrative system, the roles and cultures of key professions (including property management, valuing, business, engineering, surveying, planning, architecture, landscape architecture). Urban design techniques such as charrettes and action planning workshops are included.

Contact hours: 3 per week **Campus:** Gardens Point

PSP452 Urban Design Studio A

This unit includes the analysis of urban issues in a particular area, and the formulation of appropriate urban design proposals. Issues may include obsolescence, sense of place, conservation, infill, and the dynamism of local/regional/national/global contexts. Methods of urban design guidance, development briefing and control, through regulations and incentives are investigated and the skills in urban analysis related to the urban design process and effective communication of the results are developed. Where applicable, the unit incorporates field work, work in other units of the course, and joint/complementary projects with other courses in the Faculty.

Contact hours: 6 per week **Campus:** Gardens Point

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 QUT or at another tertiary institution which must, for approval, also lead to an Advanced Specialisation if they are enrolled in PS70. Students normally choose a specialisation that 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.

Contact hours: 3 per week **Campus:** Gardens Point

PUB104 Australian Health Care Systems

This is an important unit for students entering or planning to enter the health industry as it is designed to give a broad overview of systems of health care in Australia and their methods of operation. This unit introduces the role of health service managers as members of the health care team, the basic principles of health service management in health care facilities and beyond, and the functions of health service managers.

Credit points: 12 **Contact hours:** 3 per week **Campus:**

Kelvin Grove and External

PUB105 Family Influences on Health and Development

This unit explores the diversity of Australian families to provide an understanding of the social structures that impact on families and the ways in which families influence the health, development and well-being of family members across the life course.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PUB112 Workplace Health and Safety

Introduces students to the basic concepts and theoretical framework of occupational health and safety such that they can identify health and safety problems in the workplace; be aware of strategies for dealing with such problems; and become familiar with the legislation, government agencies and health personnel associated with the working environment. Topics covered will include the physical, chemical and biological environments, and ergonomics. The students will also develop knowledge and skills associated with the actual measurement of the physical and chemical working environment and evaluation of the data collected.

Credit points: 12 **Contact hours:** 4 per week **Campus:** External

PUB113 Design and Technology

Technology and design are an integral part of the practice of home economics, facilitating effective responses to challenges in the contexts of food, locales and living environments. Personal understanding of and experience with design, creativity, research and innovation are needed to participate productively and sensitively within local and global communities.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

PUB180 Foundations of Paramedic Practice 1

This unit is an introduction to ambulance practice and the role of paramedics within the health care spectrum. It prepares students for the first clinical practice unit. Topics include the following: the history, evolution, culture and development of ambulance services on a national and international level; the structure, function, policies and procedures of the Queensland Ambulance Service; the role of the ambulance service in a multidisciplinary and integrated approach to health care; the relationship between field care and in-hospital definitive care; and basic ambulance care including initial assessment, planning and implementing basic procedures, and equipment. The unit includes a structured observer program.

Credit points: 12 **Campus:** Kelvin Grove

PUB201 Food and Nutrition

This unit includes the following: an introduction to the history of food and nutrition in Australia; the food system; the food supply; proteins, carbohydrates, fats, vitamins and minerals; food grouping systems; dietary guidelines; the recommended dietary intakes; nutrition through the life cycle; food and nutrition problems; nutrition as a public health issue; and international nutrition issues.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove and External

PUB203 Primary Health Care

This unit introduces students to the principles, strategies and practice of primary health care with special reference to community, family and workplace settings. The importance of health promotion, prevention, empowerment and intersectoral collaboration in primary health care is examined.

Credit points: 12 **Contact hours:** 3 per week **Campus:** External

PUB208 Understanding Health Information

This aims to provide students with an understanding and appreciation of the diversity of health information resources available; the benefits of high-quality and standardised health information for positive health outcomes and the management of health services; and the various technology platforms available (including telecommunications and the internet). Students develop data organisation and management skills relevant to systems within the health industry context.

Prerequisite(s): Nil but there is assumed knowledge and skills in word processing and spreadsheet applications.

Credit points: 12

PUB209 Health, Culture and Society

This unit is concerned with the social and cultural dimensions of health and illness and how they relate to health status and patterns of behaviour. The unit introduces students to thinking about health from sociological and anthropological perspectives, drawing on relevant concepts and theory to examine selected public health issues. Identifying and addressing social and cultural factors that shape people's health experiences of health, illness and health systems are integral parts of public health practice in terms of reducing health inequalities, delivering appropriate services, and ultimately improving population health outcomes.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PUB215 Public Health Practice

Credit points: 12

PUB220 Medical Terminology

This unit explores the language of medicine and 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PUB251 Contemporary Public Health

This unit provides an introduction to the following: the philosophy and approach of public health; the traditional public health process; the multidisciplinary nature of public health; and health policy and its impact on public health. Recent reformulations of traditional public health approaches including health promotion, intersectoral action for health and healthy public policy are examined. The role

of public health in Australia and overseas, its main discipline components and some of the constraints faced by public health is also addressed. This unit considers groups with special needs and contemporary issues.

Credit points: 12 **Contact hours:** 4 per week (KG and Ext Sem 1; KG Sem 2) **Campus:** Kelvin Grove and External

PUB270 Paramedic Clinical Practice 1

This unit is the first in a series of supervised clinical practice units. Topics include the following: assessing, diagnosing, planning, implementing and evaluating patient care in the out of hospital phase; effective scene management including logistics, safe access and egress, and patient extrication techniques; written and oral communication including patient interviews, radio procedures, writing ambulance report forms and patient handover at hospital. The placement is six weeks and provides a transition from observer to operational ambulance crew member under the supervision of a qualified paramedic mentor.

Prerequisite(s): LSB282, PUB280, PYB111, QAS emergency driver education, health related fitness assessment **Credit points:** 12

PUB280 Foundations of Paramedic Practice 2

This unit follows on from PUB180 and further develops core clinical skills and expertise in the use of ambulance equipment. Topics covered include the following: monitoring basic patient care and modifying as required; handing over a patient requiring basic ambulance care; the use of ambulance equipment including ambulance vehicles and patient care equipment; health and safety legislation, policies and procedures; and the attributes of a paramedic e.g. compassion, accountability, respect, ethical practice, responsibility and sensitivity. The unit includes a structured observer program for students.

Prerequisite(s): PUB180 **Credit points:** 12 **Campus:** Kelvin Grove

PUB321 Textile Studies

In this unit scientific understandings, social issues, production techniques and the aesthetic aspects of textiles are explored. These are applied to individual textile projects.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

PUB326 Epidemiology

Epidemiology is the core scientific method of public health. It is the study of the distribution of health and disease in the population and includes research into causes of disease and the effectiveness of public health programs. Epidemiological methods are used to generate the evidence base for clinicians, health promotion specialists, health educators, occupational and environmental health officers and health service managers.

Prerequisite(s): PUB251 **Credit points:** 12 **Contact hours:** 3 per week (Ext PU40 Pub Hlth students only) **Campus:** Kelvin Grove and External **Incompatible with:** PUB314

PUB332 Sustainable Environments For Health

Credit points: 12

PUB336 Women's Health

This unit explores the data and current health issues related to women's health and critically evaluates health related policies, systems and practices in terms of their impact on women's health, internationally and in Australia. The social, economic, cultural and political influences on women's health, and the specific needs of sub-populations of women are examined.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PUB339 Podiatric Medicine 1

This unit provides an introduction to the clinical, theoretical and professional aspects of podiatry practice. Students entering the unit begin the transition to the unique and challenging role of clinician, as well as continuing academic learning. Students are required to apply previous background knowledge, ie advanced anatomy, biochemistry, etc, in the clinical setting. Student are also involved in the care of patients attending the university clinic. The unit is particularly designed to encourage the development of essential graduate skills such as a self-directed approach to learning, the ability to work as part of a team and the ability to engage in peer review.

Prerequisite(s): LSB235, LSB475 **Credit points:** 12
Contact hours: 16 (including clinic work) **Campus:** Kelvin Grove **Incompatible with:** PUB324

PUB343 Home Economics Curriculum Studies 1

This unit explores the nature of home economics, its contribution to the broader goals of schooling and the unique features that characterise home economics teaching and learning. It links discipline studies, curriculum studies and field experiences.

Prerequisite(s): 36 credit points Home Economics Discipline Studies **Corequisite(s):** Teaching & Learning Studies 2, Field Studies **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PUB355 Hospitality Studies

This unit explores the use of relevant management principles, safe and hygienic work practices, effective communication skills, the mastery of techniques in food production and presentation associated with vocational education and industry.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

PUB356 Clinical Classification

This unit introduces the development of skills in one of the major specialities of health information management. This speciality is the clinical classification of diseases and procedures using the International Classification of Diseases, 10th Revision, Australian Modification (ICD-10-AM). 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.

Prerequisite(s): PUB220, LSB142, LSB361 or LSB475
Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

PUB361 Textiles 2

An understanding of textile consumer issues is developed by studying theoretical and scientific explorations, production practices and creative processes in relation to critiquing and designing textile articles.

Prerequisite(s): PUB321 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

PUB380 Casemix Management

Casemix is used to describe and analyse the activity and outputs of health care services and provides an important source of information for decision making by a range of health care professionals. This unit aims to provide the following: an overview of the history and development of casemix classification systems; structure of 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; and current casemix initiatives and applications.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

PUB390 Paramedic Management of Medical and Surgical Emergencies A

This unit covers some of the most common medical and surgical emergencies seen in ambulance practice. Topics include the epidemiology, prevention, integrated and definitive care, pathophysiology, assessment, clinical management and rehabilitation of patients suffering cardiovascular, respiratory and neurological disease. Theory is presented on campus and experience is gained in a hospital environment under the supervision of clinical educators.

Prerequisite(s): LSB282, PUB280 **Corequisite(s):** LSB382 **Credit points:** 12 **Campus:** Kelvin Grove

PUB391 Paramedic Management of Medical and Surgical Emergencies B

This unit covers some of the most common medical and surgical emergencies seen in ambulance practice. Topics include the epidemiology, prevention, integrated and definitive care, pathophysiology, assessment and clinical management of patients suffering genitourinary, metabolic, endocrine and gastrointestinal disease. Theory is supplemented by simulation and scenario based activities under the supervision of clinical educators.

Prerequisite(s): LSB282, PUB280 **Corequisite(s):** LSB382 **Credit points:** 12 **Campus:** Kelvin Grove

PUB398 Health Information Services

This unit aims to provide students with an understanding of the potential brokerage of health information services their expertise may provide. In addition to coverage of hospital based information services, other processes and systems such as health terminologies and classifications, statistical reporting to health authorities, form design and management and information management in other settings (eg primary care, subacute and non-acute) provide exposure to a broad range of applications supported by health information services.

Prerequisite(s): Completed 96 credit points and

background knowledge of the health care system **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PUB405 Nutrition Science

Nutrition science examines a range of nutrient components in our food supply, including the biochemical pathways and physiological effects in the body, possible health implications of deficiency or toxicity and important dietary sources. It integrates nutritional knowledge with the science of biochemistry and clinical physiology and provides the foundation on which further studies in nutrition can be built.

Prerequisite(s): LSB308, PUB201 **Credit points:** 12

Contact hours: 4 per week **Campus:** Kelvin Grove

PUB406 Health Promotion Strategies

This unit ties together the fundamental health promotion knowledge and constructs covered in earlier units in the public health subject area. It builds upon this basis to introduce students to the range of strategies available to a health promotion practitioner. The unit promotes an appreciation of the strengths and weaknesses of different approaches, as well as related administrative factors. Students undertake a small health promotion project in groups of 3-4. This is an essential field of study for those students who wish to work in a health promotion or related field.

Prerequisite(s): PUB251 **Credit points:** 12 **Contact hours:** 3 **Campus:** Kelvin Grove

PUB416 Research Methods

An understanding of research methods is essential in the training of all public health professionals. This unit explores quantitative methods in a variety of health research projects, examining conceptualisation of research questions and hypotheses, core elements of experimental and quasi-experimental designs, and various approaches to the collection, management and analysis of quantitative data. The unit has a practical focus for students who are considering conducting research as well as those interested in deeper appreciation of implementation behind published research results.

Prerequisite(s): PUB314 or PUB326 **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove and External

PUB436 Evidence Based Practice

Credit points: 12

PUB437 Pharmacology

This unit is designed to ensure students understand the basic drug therapies their patients may be using, the groups of drugs used for specific diseases, and their application and relevance to 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 categories within one group of systemic drugs and why they are used for a condition is emphasised, along with discussion of contraindications and drug interactions.

Prerequisite(s): LSB275, LSB451, LSB475

Corequisite(s): PUB438 **Credit points:** 12 **Contact**

hours: 3 per week **Campus:** Kelvin Grove
Incompatible with: PUB525

PUB438 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. For example infectious diseases, nervous system disorders, endocrine/metabolic and deficiency states, renal disorders, cardiology, respiratory disorders, immunology, hepatobiliary disorders, musculoskeletal disorders, haematology/lymph, inherited/genetic conditions. The diagnosis and management of dermatological disorders is also covered.

Prerequisite(s): LSB451, LSB475 **Corequisite(s):** PUB437 **Credit points:** 12 **Contact hours:** 3 per week

Campus: Kelvin Grove **Incompatible with:** PUB523

PUB439 Podiatric Medicine 2

This unit aims to increase proficiency in the examination and treatment of patients who have common foot problems with particular emphasis on aged care and diabetes. Topics covered include: clinical biomechanics, the elderly and the ageing foot, the management and of the diabetic foot, wound healing and wound care products, footwear construction, assessment and prescription, foot orthoses.

Prerequisite(s): PUB339 **Corequisite(s):** PUB437, PUB438 **Credit points:** 12 **Contact hours:** 15 (includes clinic work) **Campus:** Kelvin Grove **Incompatible with:** PUB424

PUB450 Paramedic Management of Trauma Emergencies

This unit covers some of the most common traumatic emergencies that a paramedic attends in ambulance practice. Topics covered include the epidemiology of trauma, the controversies of trauma management, neurotrauma, spinal cord injury, chest and abdominal trauma, pelvic and limb trauma, trauma in the elderly, wound ballistics, and shock and fluid resuscitation. Theory is supplemented by simulation and scenario based activities under the supervision of clinical educators.

Prerequisite(s): LSB382, PUB280 **Credit points:** 12

Campus: Kelvin Grove

PUB461 Qualitative Inquiry in Public Health

Qualitative methods are essential to generate knowledge of people's lived experiences, the meanings they ascribe to them, and to the social dimension of health. The nature and complexities of many public health problems require a mix of research methods and the contributions of qualitative inquiry are increasingly recognised. The practical skills acquired in this unit can be applied to a wide range of public health works, including community based program evaluation, international health and health social science research.

Prerequisite(s): PUB326 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PUB470 Paramedic Clinical Practice 2

This unit continues on from PUB270 and includes a six week placement providing work integrated learning experience in a supervised out of hospital environment.

Students learn to apply standard ambulance management at non-complex scenes with straightforward clinical presentations and gain confidence in managing patients.

Prerequisite(s): PUB270, PUB390, PUB391 **Credit points:** 12 **Campus:** Kelvin Grove

PUB474 Food Science

To fulfil their needs as future professionals working in food and nutrition related areas, students explore the nature of foods and their constituents, studying the underlying scientific principles related to the manufacture, preservation, distribution and the final production of food items for consumption.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

PUB480 Health Administration Finance

This unit addresses the following: financial administration and resource/financial distribution within the Commonwealth and State governments; financial management in the health industry; financial analysis; planning and budgeting; working capital management in the health industry; health care financial performance and evaluation; and methodologies for costing health services.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

PUB486 Ethics and the Law in Health Service Delivery

This unit enables students to develop an awareness of the ethical and legal issues associated with the public sector and health care in the pre-hospital care setting. This unit covers topics relating to the code of ethics, the code of conduct and the legislation unique to the emergency health services. Students are required to apply content knowledge using the problem based learning strategy. Topics include introduction to ethics, morality and ethical theory, bioethics, public sector ethics, overview of the Australian legal system, consent to and refusal of health care, duty of care, confidentiality, and record keeping.

Credit points: 12 **Campus:** Kelvin Grove and External

PUB490 Quality Management in Health

Quality is integral to all aspects of healthcare delivery. Knowledge and understanding of the concepts of quality management, and the ability to perform quality processes are essential for all health care professionals. This unit provides students with the necessary knowledge and skills to develop a quality management program, perform quality improvement activities, and expand outcomes into process improvements and organisational change. The principles underpinning evidence based medicine and clinical pathways (including variance analysis) are presented, methods of health care performance measurement are explored, and a clinical quality framework model is introduced.

Prerequisite(s): 96 credit points and background knowledge of the health care system **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove

Incompatible with: PUB599

PUB506 Foodservice Management

This unit includes the following: organisation and planning in foodservice; the hospital environment; the menu and menu

planning; purchasing and storage of food; kitchen planning and design; food production systems; food distribution systems; human resource management in foodservice; finance and costing; hygiene; maintenance and safety; information systems; and total quality management.

Prerequisite(s): PUB474 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PUB509 Nutrition

This unit includes the following: the measurement of the nutritional status of a community; nutrition monitoring and surveillance; food and nutrition policy at international, national and state levels; international nutrition issues; nutritional epidemiology; examination of the evidence of nutrition problems within Australia; at risk groups; tools and their validity for measuring nutritional status and nutrition outcome at the population and group level; and dietary intake methodology.

Prerequisite(s): PUB201, PUB314 or PUB326 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

PUB514 Contract/Project Management

This unit aims to prepare students for participation in contract and project management in the health sector. The unit provides advanced undergraduate students with an opportunity to develop an understanding of health project contract management using both theoretical and practical examination of current state and national contracts and projects.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove and External **Incompatible with:** NSN625 (for postgraduate students)

PUB522 Podiatric Anaesthesiology

This unit provides an 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.

Prerequisite(s): PUB437, PUB438, PUB439 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PUB530 Health Education and Behaviour Change

Credit points: 12

PUB537 Radiographic Image Interpretation

This unit is designed to give the student of podiatric medicine an understanding and ability to recognise normal and abnormal foot radiographs. It also enables the student to utilise radiology as an important diagnostic tool in foot pathology.

Prerequisite(s): PUB438, PUB439 **Corequisite(s):** PUB539 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Incompatible with:** PCB313 or PUB637

PUB538 Physical Medicine

This unit introduces a wide range of diagnostic and physical treatment modalities used in modern podiatric practice. Students gain understanding in uses, applications,

contraindications and limitations of each modality studied in direct connection with ongoing clinical studies and theoretical components of podiatric medicine.

Prerequisite(s): PUB439, PUB539 **Corequisite(s):** PUB539 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** PUB727

PUB539 Podiatric Medicine 3

This unit develops professional understanding of the general and specific effects of medical and surgical conditions on the human foot. It 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.

Prerequisite(s): PUB437, PUB438, PUB439 **Corequisite(s):** PUB537 **Credit points:** 12 **Contact hours:** 12 **Campus:** Kelvin Grove **Incompatible with:** PUB524

PUB541 Medical Nutrition Therapy 1

This unit incorporates the best of a multidisciplinary, 'whole client' view of health care. The goals of MNT in preventative care are to keep people healthy in their communities, to reduce the incidence and severity of preventable diseases, to improve health and quality of life and to reduce medical costs particularly in drug therapy, surgery, hospitalisation and extended care. A sound understanding of the process of nutrition assessment enables students to undertake the assessment, planning, implementation and evaluation of dietary intervention in the more complex disease states.

Prerequisite(s): LSB408, LSB458, PUB405 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

PUB545 Health Policy, Planning and Advocacy **Credit points:** 12

PUB550 Paramedic Management of Obstetric, Paediatric and Behavioural Emergencies

This unit covers the management of obstetric, paediatric and behavioural emergencies. Theory is presented on campus and experience is gained in a three week hospital placement under the supervision of clinical educators.

Prerequisite(s): LSB382, PUB390 **Credit points:** 12 **Campus:** Kelvin Grove

PUB555 Paramedic Management of Infectious Diseases, Toxicological and Environmental Emergencies (Not offered till 2007)

This unit covers the management of patients with a range of challenging aetiologies including extremes in environmental conditions, toxicological emergencies including overdose, poisoning and acute infectious disease. Topics include the epidemiology, integrated and definitive care, pathophysiology, assessment and clinical management of patients with toxicological, infectious and environmental illness. Theory is supplemented by simulation and scenario based activities.

Prerequisite(s): LSB382, PUB390 **Credit points:** 12 **Campus:** Kelvin Grove

PUB557 Health Needs of Indigenous Australians and Other Populations

The unit examines the health needs of a range of population groups, particularly the health needs of indigenous Australians. Health is viewed in its social and economic context. The unit allows a recognition and focus on particular health concerns that might not be considered significant in an examination of broad patterns of health. It forces a consideration of how strategies to improve health, including important questions of access and equity. The unit provides an overall picture of health patterns of indigenous Australians and other specific populations.

Prerequisite(s): PUB251 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PUB558 Medical Documentation and Abstraction for Classification

It is essential for health information managers to thoroughly understand the clinician's response to various disease processes, how this information is documented in patient records and how this relates to the process of clinical classification. This unit integrates knowledge of anatomy, physiology, disease processes and medical procedures with an understanding of the process clinician's task to diagnose and treat common and specialised conditions. Students enhance their knowledge of clinical classification by the practical use of ICD-10-AM.

Prerequisite(s): PUB356 **Credit points:** 12 **Contact hours:** 4 **Campus:** Kelvin Grove **Incompatible with:** PUB456

PUB561 Statistical Methods in Health

The ability to analyse and interpret quantitative data is an important skill for all graduates in public health. This unit builds upon PUB326 Epidemiology and complements analytical methods learned in PUB461 Qualitative Enquiry in Public Health. Through critical review of the literature, and worked examples from a range of topic areas, students become familiar with the process of summarising and describing data, defining and testing hypotheses, univariate methods and tests of bivariate associations, the concept of adjustment and the interpretation and presentation of analytical results.

Prerequisite(s): PUB326 or equivalent **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PUB565 International Health

International health will broaden student's understanding of global health systems and programs, providing an advanced level analysis that explores systems and methods that have been devised to address population health problems in developing and developed countries. Students examine the historic context of the international health movement from the early 1900s to recent changes in global health systems, explore the diversity of services between and within countries, and consider issues of globalisation, economic reform, health equity and ethics. This unit is particularly relevant to students who are interested in international health development work.

Prerequisite(s): 192 credit points, PUB251, PUB326 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PUB570 Paramedic Clinical Practice 3

This unit is a six week placement which develops patient care to a level where students can confidently manage more complex clinical presentations under the supervision of a qualified paramedic mentor.

Prerequisite(s): PUB470 **Credit points:** 12 **Campus:** Kelvin Grove

PUB606 Dietetic Management

This unit includes the following: history of dietetics and the role of management in dietetics; planning and organisation; leadership; peer review systems; total quality management; clinical costing; program evaluation and measuring effectiveness; information systems applied to dietetic management; managing change; casemix funding; management tools; marketing; planning community based programs; team building; and managing role conflict.

Prerequisite(s): PUB506, PUB722 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove

PUB609 Health Resource Allocation

This unit aims to prepare students for participation in health sector decision making as underpinned by a range of health specific evaluation activities. The unit provides students with a grounding in the methodologies of health evaluation and resource allocation.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

PUB611 Risk Management

This unit provides students with the knowledge and skills for the assessment and quantification of risk in the workplace. It considers the various models available to investigate and analyse accidents and propose strategies to prevent similar incidents in the future. Various hazard identification techniques such as HAZOP, Fault Tree Analysis and FMEA are discussed. The unit provides students with the ability to position occupational health and safety within an organisation's strategic decision making process.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

PUB628 Advanced Food Studies

This unit provides students with an opportunity to acquire practical skills in the planning, preparation and delivery of nutrient altered foods suitable for a wide range of therapeutic diets. Students evaluate the outcome of incorporating nutrient modified food products into dietary regimens. Food standards, relevant developments and issues are also considered.

Prerequisite(s): PUB474, PUB541 **Corequisite(s):** PUB641 **Credit points:** 12 **Contact hours:** 6 per week
Campus: Kelvin Grove

PUB632 Independent Study

Independent study allows students to study a topic which is not otherwise available as a formal unit. Students have the opportunity to pursue their studies relatively independently and to develop and practise skills in problem identification, evaluation and critical thinking. The study may be for example a literature review or a placement in a particular setting. The process and outcomes are negotiated in a

contract with a supervisor.

Prerequisite(s): Completion of 192 credit points **Credit points:** 12 **Campus:** Kelvin Grove and External

PUB633 Health Informatics

An understanding of computer applications in health is important to making an effective contribution to the planning and evaluation of health care information systems. This unit integrates health care trends with the capacity for information management and information systems to support these directions in health care. This unit aims to bridge the communication gap which often appears between the health care professional and computer specialists. It is also designed to prepare students for involvement in the many aspects of information systems they may encounter in the health care field. These aspects include the planning, specification, development, implementation, control and management of such systems.

Prerequisite(s): 192 credit points **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Incompatible with: PUB418

PUB635 Podiatric Surgery

This unit addresses the implementation of podiatric surgical techniques based on strong theoretical knowledge. On completion, students should understand the principles and techniques of lower limb surgery. Students are taught minor surgical techniques and review some of the more common major surgical procedures including the foot and ankle.

Prerequisite(s): PUB438, PUB522, PUB539, PUB639
Corequisite(s): PUB523, PUB624 **Credit points:** 12
Contact hours: 3 (including surgical work) **Campus:** Kelvin Grove

PUB638 Orthopaedics and Sports Medicine

This unit provides students with a detailed knowledge of orthopaedic and musculoskeletal conditions affecting the lower limb. The unit also discusses the assessment and management of the sports patient.

Prerequisite(s): PUB537 (PU43 and HL43 only), PUB538 (PU43 only) **Corequisite(s):** PUB635 (PU43 only), PUB639 (PU43 and HL43) **Credit points:** 12 **Campus:** Kelvin Grove **Incompatible with:** PUB726, PUB827

PUB639 Podiatric Medicine 4

This unit extends the student by way of a greater role in independent case investigation and clinical case presentations. Complex case histories and treatment interventions are pursued. The theory and treatment of paediatric disorders is studied and students are introduced to specialist clinics in the podiatry facility and treatment of higher order cases. Students implement a wide range of treatments and should be able to consolidate skills acquired. 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.

Prerequisite(s): PUB539 **Credit points:** 12 **Contact hours:** 12 **Campus:** Kelvin Grove **Incompatible with:** PUB624

PUB641 Medical Nutrition Therapy 2

This unit builds on the extensive knowledge base of the theory and application of dietary treatment to disease and the principles of nutritional assessment development in Medical Nutrition Therapy 1.

Prerequisite(s): PUB541 **Corequisite(s):** PUB628
Credit points: 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

PUB643 Home Economics Curriculum 2

This unit is the second in a suite of three curriculum units studied concurrently with Teaching and Learning Studies 3 and Field Studies 2. The unit provides students with opportunities to develop knowledge and skills pertinent to the professional educator, including the ability to critique current paradigms. Learning experiences are organised to build deeper understanding of outcomes based syllabuses. This knowledge is applied to the design and management of learning environments and practices that engage learners. The importance of self regulatory practice is emphasised.

Credit points: 12 **Contact hours:** 3 **Campus:** Kelvin Grove **Incompatible with:** PUB322

PUB644 Health Promoting Schools

This subject is designed to extend students' understanding of health promotion in a school setting. The learning objectives for this course are designed to reinforce the links between education and health, in relation to the planning, implementation and evaluation of a school based health promotion intervention. It also addresses some of the management issues that underlie such an approach to the promotion of health and well being in the school community. Case studies or activities offer a range of opportunity for reflection and investigation.

Prerequisite(s): 196 credit points **Credit points:** 12
Campus: External

PUB645 Introduction To Dietetic Practice

Credit points: 12

PUB648 Diet, Nutrition and Chronic Disease

This unit explores the most common and significant nutrition related chronic diseases of the world and introduces previous and current strategies aiming to prevent or manage these diseases. Psychosocial, cultural, political and economics factors will be discussed. Diseases covered include micronutrient deficiencies, obesity, diabetes, cardiovascular disease, cancer, dental disease and osteoporosis.

Prerequisite(s): PUB201 **Credit points:** 12 **Campus:** Kelvin Grove

PUB669 Management of Health Information Services

This unit is the final one in the suite of health information management related units. As a result, it has a strong focus on professional issues and current trends in HIM practice. It examines the roles and functions of the health information manager in the management of health care services in the current health environment. Class activities concentrate on the principles and processes of management as applied to health information services. A problem based learning approach is adopted to give students experience in "real world" activities.

Prerequisite(s): PUB108, PUB398, PUB490, PUB558

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Incompatible with:** PUB619

PUB670 Internship (Paramedic Clinical Practice)

This unit follows on from previous clinical practice units and develops students from preservice paramedic to the role of beginner practitioner at the advanced care paramedic level under the supervision of a qualified paramedic mentor. Students are expected to function as an operational crew member under minimal direction taking the lead in more complex scenarios.

Prerequisite(s): Completion of all other coursework except PUB680 and QAS approved psychometric assessment and prerequisites for PUB270 must remain current **Credit points:** 36 **Campus:** Kelvin Grove

PUB680 Professional Development in Paramedic Practice

This unit prepares students for practice as qualified ambulance paramedics and further develops professional skills. Clinical practice is conducted in a prehospital environment under the supervision of an ambulance crew with a qualified clinical mentor. In addition, reading and learning activities give opportunities for the development of reflective practice skills and strategies.

Prerequisite(s): PUB391, PUB450, PUB470, PUB550, PUB555, PUB570 **Corequisite(s):** PUN670 **Credit points:** 12 **Campus:** Kelvin Grove

PUB720 Nutrition and Dietetic Project

Credit points: 24

PUB723 Clinical Dietetic Practice

Students are required to develop skills in the management of nutritional care of clients in the clinical setting, to a standard that allows entry to the Dietetics profession. This unit incorporates the basic strategies of the dietetic care process, such as assessment, planning, implementation and evaluation of nutritional care, for clients who have a variety of disease states. Students also need to demonstrate basic skills in research in relation to clinical outcome.

Prerequisite(s): PUB875 **Credit points:** 24 **Campus:** Kelvin Grove **Incompatible with:** PUB722

PUB738 Advanced Clinical Studies 1

The aim of this unit is to develop high-level clinical skills and professionalism in a range of clinical settings. Increased understanding of the various clinical and non-clinical roles that podiatrists play in the community will be emphasised through external placements.

Prerequisite(s): PUB538, PUB635, PUB638, PUB639
Credit points: 12 **Contact hours:** 9 per week **Campus:** Kelvin Grove **Incompatible with:** PUB728

PUB739 Podiatric Medicine 5

The aim of this unit is to provide you with the diagnostic and treatment skills necessary to manage patients with more complex conditions, introduce contemporary issues in podiatry including national and international issues, and to encourage you to critically evaluate the medical literature to inform your clinical decisions. (Not offered until 2005).

Prerequisite(s): PUB537, PUB538, PUB635, PUB638,

PUB639 Corequisite(s): PUB738 **Credit points:** 12
Campus: Kelvin Grove

PUB743 Home Economics Curriculum Studies 3
Credit points: 12

PUB821 Practice in Community Nutrition
Credit points: 12

PUB822 Practice in Foodservice Management
Credit points: 12

PUB826 Project and Professional Management
 This unit addresses two key concepts: it explains 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 included; 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.
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PUB838 Advanced Clinical Studies 2
 The aim of this unit is to develop high level clinical skills and professionalism in a range of clinical settings. Increased understanding of the various clinical and non-clinical roles that podiatrists play in the community are emphasised through external placements. Students complete clinical rotations not attempted in PUB738 Advanced Clinical Studies 1.
Prerequisite(s): PUB738, PUB739 **Credit points:** 12
Contact hours: 9 per week **Campus:** Kelvin Grove
Incompatible with: PUB828

PUB839 Podiatric Medicine 6
 The aim of this unit is to ensure students are able to demonstrate adequate knowledge and skills expected for entry into the podiatry profession.
Prerequisite(s): PUB739 **Credit points:** 12 **Campus:** Kelvin Grove

PUB875 Professional Practice
 This unit is undertaken by students in the public health, and nutrition and dietetics strands of the BHLthSc. It provides students with the opportunity of working in one or a number of placements in a professional capacity in an area of interest to the student. It provides an opportunity for students to apply the knowledge and skills acquired through their course to a practical problem or workplace situation.
Prerequisite(s): NUD / NUT successful completion of all prior core units; All other majors, completion of 216 credit points including PUB514 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

PUN001 Contemporary Risk Management
 This unit provides an introduction to the risk management process as outlined in AS/NZS 4360 risk management. The unit concentrates on the context of risk management and introduces the student to the concepts that will be explored further in the units PUN008, PUN009 and EFN418. The structure of the organisation, its environment and the

potential loss exposures are examined in some detail.
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

PUN008 Risk Assessment
 This unit provides the skills necessary to identify and assess risks. Qualitative, semi-quantitative and quantitative methods of risk analysis are investigated in the context of the major perils likely to be considered by an organisation. Various risk analysis techniques including HAZOP, FMEA, hazard indices, fault trees, event trees, reliability analysis, statistical analysis, and probability are discussed.
Prerequisite(s): PUN001 **Corequisite(s):** PUN001
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

PUN010 Implementing Risk Management
 A robust system is necessary to ensure the ongoing commitment to the risk management process and to ensure positive outcomes. The risk management process needs to be integrated and strategic in its approach. It requires commitment from senior management and an organisational strategy designed to maximise business value. This unit investigates the role of risk management in an organisation, organisational experiences in implementing risk management programs, and ways of ensuring the success of a risk management program.
Prerequisite(s): PUN008 **Credit points:** 12 **Campus:** External **Incompatible with:** PUN009

PUN011 Managing Organisational Behaviour in Ambulance Services
Credit points: 12

PUN014 Finance For Ambulance Managers
Credit points: 12

PUN103 Advanced Epidemiology
 This unit's aim is the mastery of key principles and concepts of research design. There has been an increasing demand for evidence based health research, and an increasing trend towards research that considers complex biological, environmental and societal inter-relationships. Recent developments in epidemiology have contributed novel research designs and statistical methods to complement these needs. Throughout this unit, students are exposed to these more sophisticated designs and analytical methods. Such knowledge is mandatory for critical evaluation of the current research literature, for design of efficient research studies, and to inform appropriate interpretation of research results at a 'best practice' level.
Prerequisite(s): HLN705 or PUB316 or equivalent
Credit points: 12 **Contact hours:** 3 **Campus:** Kelvin Grove

PUN105 Health Statistics
 Beyond a common core of statistical concepts, each discipline area emphasises its own set of descriptive and inferential statistical methods and even terminology. The content of this unit emphasises both core and health specific statistical methods in the health sciences. Students are provided with substantial practical experience in the application and interpretation of the most common statistical

methods to health data, and are also made aware of data management principles in preparation for analysis. There is a strong emphasis on applying concepts through critical reading and discussion of the literature and worked examples from a range of topic areas.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

PUN106 Population Health

This unit addresses some of the significant issues of population health including the complex relationship between health and social, economic, political and lifestyle factors and social disadvantage and health. It examines contemporary concepts of health and illness also draws on international examples. Potential health issues facing Australia and the world, such as the aging of the population, the impact of genetic technology on health and the health of specific sub-populations are also examined.

Credit points: 12 **Contact hours:** 3 **Campus:** External
Incompatible with: Completion of PU40/43 or PUB251 or PUB314 or PUP010 or NSN622

PUN201 Applied Medical Terminology

Prerequisite(s): 72 credit points advanced studies
Credit points: 12

PUN202 Introduction To Casemix Management

Credit points: 12

PUN203 Introduction To Clinical Classification

Credit points: 12

PUN204 Advanced Clinical Classification

Credit points: 12

PUN210 Fundamentals of Health Management

Credit points: 12

PUN211 Health Care Finance and Economics

Credit points: 12

PUN215 Organisational Behaviour (Queensland Health)

Credit points: 12 **Campus:** External

PUN216 Human Resource Management (Queensland Health)

Credit points: 12 **Campus:** External

PUN217 Financial Management (Queensland Health)

Credit points: 12 **Campus:** External

PUN218 Operational Management (Queensland Health)

Credit points: 12 **Campus:** External

PUN220 Introduction to Advanced Clinical Practice

Credit points: 12 **Campus:** External

PUN221 Cardiovascular Emergencies

Corequisite(s): PUN220, PUN222, PUN226 **Credit points:** 12 **Campus:** External

PUN222 Medical and Surgical Emergencies 1

Corequisite(s): PUN220, PUN221, PUN226 **Credit points:** 12 **Campus:** External

PUN223 Clinical and Integrated Practicum 1

Corequisite(s): PUN220, PUN221, PUN222 **Credit points:** 12 **Campus:** External

PUN224 Medical and Surgical Emergencies 2

Prerequisite(s): PUN220, PUN221, PUN222
Corequisite(s): PUN223 **Credit points:** 12 **Campus:** External

PUN225 Trauma and Environmental Emergencies

Prerequisite(s): PUN220, PUN221, PUN222
Corequisite(s): PUN223, PUN224, PUN227, PUN226
Credit points: 12 **Campus:** External

PUN226 Obstetric & Paediatric Emergencies

Prerequisite(s): PUN220, PUN221, PUN222, PUN223
Corequisite(s): PUN223, PUN227 **Credit points:** 12 **Campus:** External

PUN227 Clinical and Integrated Practicum 2

Prerequisite(s): PUN220, PUN221, PUN222, PUN223
Corequisite(s): PUN224, PUN225, PUN226 **Credit points:** 12 **Campus:** External

PUN301 Occupational Health and Safety Law and Management

This unit introduces students to the history of occupational health and safety and the impact on occupational health and safety practice of the law, and industrial relations. The theory and practice of occupational health and safety management is discussed.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

PUN363 Environmental Health Law

The purpose of this unit is to develop students who have a detailed understanding of the legislation and legislative frameworks and principles that form the foundation for environmental health practice. In particular, this unit will detail various legislative tools for the management of public health issues in different settings. The prosecution process and gathering of evidence will be discussed along with a detailed discussion on the environmental health practitioners role under the Public Health Act 2005, Environmental Protection Act 1994 and other related legislation. Major topics covered include: an introduction to law and government, public health law, planning and environmental law, local laws, investigation processes and procedures.

Corequisite(s): PUN620 **Credit points:** 12 **Campus:** Kelvin Grove

PUN364 Food Safety

The aim of this unit is to develop the food safety knowledge of future health professionals (such as environmental health practitioners, public health practitioners, nutritionists and

dieticians) to enable them to identify and implement processes to ensure a safe food supply and prevent food borne illness in the community. A variety of food safety topics are covered including food science principles, food safety principles, food-borne illness, outbreak investigation and management, food safety law, auditing, premises design, HACCP, food safety programs, and food handler training/health promotion.

Credit points: 12 **Campus:** Kelvin Grove

PUN418 Introduction To Financial Risk Management

Credit points: 12 **Incompatible with:** EFN418

PUN451 Introduction To Health Disaster Management

Credit points: 12

PUN452 Health Disaster Planning and Preparedness

Credit points: 12

PUN453 Health Disaster Response and Recovery

Individuals responsible for the provision of health services are also responsible for the management of major incidents and the aftermath of those events. To do so they need to be knowledgeable of a range of issues and possess the necessary skills to manage major incident response and recovery. The aim of this unit is to develop a high level of capability to identify and evaluate issues that need to be addressed during response to, and recovery from a major incident and to ensure that you have the ability to manage those issues.

Credit points: 12 **Campus:** Kelvin Grove and External

PUN465 Environmental Protection

This unit aims to give students a detailed understanding of the causes, controls measures and management strategies for environmental pollution and an understanding of environmental impacts on human health. A variety of topics on environmental management are covered including environmental management principles, environmental policy and legislation, integrated planning, waste management, contaminated land, air pollution, water pollution, and noise pollution.

Prerequisite(s): PUN620, PUN363 **Credit points:** 12

Campus: Kelvin Grove

PUN466 Communicable diseases

This unit aims to provide a comprehensive overview of communicable diseases and to discuss current surveillance, control and prevention methods/strategies implemented by public health agencies. Topics in this unit include the following: communicable disease principles; physiology and epidemiology; outbreak investigation and management; immunisation; vector control; disease surveillance; and infection control.

Credit points: 12 **Campus:** Kelvin Grove

PUN467 Public Health Risk Assessment

The aim of this unit is to provide future public health professionals with the skills and knowledge necessary to effectively assess and manage risks associated with a variety of public health hazards. Topics covered in this unit include the following: the Australian standard risk management framework; environmental health risk

assessment framework (issues identification, hazard identification, dose-response assessment, exposure assessment, risk characterisation); risk management strategies and approaches; fundamentals of environmental toxicology and its application in health risk assessment; health impact assessment; effective risk communication and community consultation approaches for public health risks; and case studies.

Credit points: 12 **Campus:** Kelvin Grove

PUN500 Safety Management

In this unit, students learn about the nature of materials with regards to material failure, fire and explosions. Students are introduced to the concept of the hierarchy of controls and learn about the various safety systems used to control physical, chemical and biological hazards. Students are also introduced to specific legislative requirements that regulate the use of such substances, the configuration of appropriate safety systems, and the storage, handling and transport of hazardous materials. Students develop skills in accident investigation.

Credit points: 12 **Contact hours:** 3 **Campus:** Kelvin Grove and External

PUN552 Population Nutrition and Physical Activity Assessment

Credit points: 12

PUN553 Chronic Disease Prevention and Management

Credit points: 12

PUN554 Food Policy and Sustainability

Credit points: 12

PUN617 Environmental Health Management

The aim of this unit is to integrate the aspects of environmental health theory and practice covered in other Units within the environmental health graduate program by focusing on current management and policy issues, strategies, tools and approaches. Topics covered include: environmental health policy development; environmental health management in local and state government; new technologies; program evaluation including economic evaluation and environmental health indicators; emergency management; event management; Indigenous environmental health policy; environmental health research; dangerous goods safety management; project management and environmental health practice issues.

Credit points: 12 **Campus:** Kelvin Grove

PUN620 Concepts of Environmental Health

The aim of this unit is to produce students who have an in-depth understanding of the large range of contemporary environmental health hazards (including historical, current and predicted hazards) and the strategies to assess and manage these hazards in a sustainable manner. This unit consists of the following 4 modules: (1) Introduction to Environmental Health (provides an introduction to environmental health and environmental health management); (2) Ecosystems, Sustainability and Health; (3) Environmental Health Issues (eg. air pollution, water and sanitation, waste and contaminated land, communicable diseases and food safety, physical agents); and (4)

Environmental Health Settings (including Indigenous environmental health, the built environment, and global and emerging environmental health issues).

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PUN632 Health Services Management, Leadership and Change

In this unit students develop and apply a researched, conceptual framework to understand management, leadership and change issues, particularly related to health care, consolidated using researching, logical argument, analysis and writing skills. The unit draws on contemporary research and practice

Credit points: 12

PUN640 Health Care Delivery and Reform

This unit introduces conceptual frameworks fundamental to the organisation of health systems with particular emphasis on Australian and international health systems. Issues covered include the operation, funding and evaluation of health systems, health reform and the drivers for change.

Credit points: 12

PUN688 International Health Policy and Management

This unit provides students with an understanding of the impact of globalisation on health policy and management, including policy formation and the role of political influences. Students will have an opportunity to explore and understand specific examples of national and international policy in both developed countries and countries in transition, particularly the in Asia-Pacific region.

Corequisite(s): PUN692 **Credit points:** 12

PUP032 Intervention Design and Theories of Change

This unit examines theories of change as they impact on health promotion and health education practice and the development and implementation of public health interventions. The unit addresses the strengths and weaknesses of change theory into practice and explores the nature of individual, group and organisational change strategies in public health and health promotion.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

PUP034 Advanced Studies and Practice in Health Promotion

This advanced unit identifies the repertoire of practice skills that health promotion students need to address health problems. It integrates needs identification, systematic planning and evaluation models into practice. Internal students put this knowledge into practice through participation in a group based health promotion project. The process of developing and implementing a health promotion program develops an understanding of issues such as ethics, writing goals and objectives, resources and time management. External students conduct a needs assessment and use the data to write a health promotion program proposal.

Prerequisite(s): PUP035 or PUP036 **Corequisite(s):** PUP035 or PUP036 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External
Incompatible with: PUP023, PUN613

PUP037 Health Program Evaluation

The aim of the unit is to provide students with skills and knowledge of health program evaluation, its place in public health and health sector contexts, the influences of evidence and contexts, both organisational and political in program evaluation and the application of program evaluation techniques. This unit complements health studies and deepens students' understanding of program evaluation in practice.

Credit points: 12 **Campus:** Kelvin Grove and External

PUP038 New Developments in Health Promotion

The unit provides students with a critical understanding of the foundations of health promotion nationally and internationally, and its influence and evidence in improving population health outcomes through new conceptual and practice perspectives. This unit complements public health and other studies and provides a foundation for health professionals of the fundamental underpinnings of the discipline nationally and internationally.

Credit points: 12 **Campus:** Kelvin Grove and External

PUP116 Ergonomics

This unit explores the relationship between the worker, the work environment and the work space. 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 workers safety and comfort, improve work efficiency and performance, and optimise work performance. Topics include basic anatomy and physiology of body systems, occupational biomechanics and psychology.

Prerequisite(s): PUN301 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

PUP250 Occupational Hygiene

Occupational and environmental monitoring is described as the recognition, evaluation and control of hazards in the workplace. Workplaces contain numerous substances that are potentially hazardous to the health of the workforce, other occupants and the public. Occupational and environmental monitoring spans a number of disciplines including toxicology, engineering and statistics. Students need to develop strong investigative and analytical abilities and professional judgment. Students also develop skills in evaluating the extent of workplace hazards. A preventative approach to dealing with occupational health problems is emphasised based on an understanding of the control hierarchy and the use of exposure standards.

Prerequisite(s): PUP415 **Corequisite(s):** PUP415
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External

PUP415 Occupational Health

This unit explores chemical hazards in the working environment, epidemiological principles and practice, and identification of special risk groups in the workforce. Topics include the following: 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; and epidemiological principles and practice.

Prerequisite(s): PUN301 (For PU32 or students completing EVH major the prereq is either PUN301 or PUN620)

Credit points: 12 **Contact hours:** 3 **Campus:** Kelvin Grove and External

PYB000 Psychology in Professional Contexts

PYB000 is a foundation unit for students enrolled in the Bachelor of Behavioural Science (Psychology) degree. This unit provides an introduction to the nature, scope, and application of psychological knowledge in diverse professional contexts, and considers the social, cultural and ethical, and multidisciplinary frameworks that shape psychological practice. This unit aims to develop your skills as an active and reflective learner, by explicitly linking the academic and generic skills you will develop throughout the course, with their application to psychological practice.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB007 Interpersonal Processes and Skills

Psychology is generally a people-based profession with many positions involving not only understanding and testing people but communicating with them. More broadly however in most areas of modern work, and indeed within personal relationships, people need developed interpersonal skills and the ability to conceptualise interactive processes. The microskills for communication are also the foundation for helping relationships and counselling.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Kelvin Grove **Incompatible with:** PYB074, PYB086, HHB113

PYB012 Psychology

The body of knowledge which defines Psychology as a discipline is basic to an understanding of human behaviour and interaction. Psychological theories, concepts and methods of investigation provide ways of evaluating personal and professional practice. Informed practice can then seek to meet the needs of individuals, groups and communities. All professional people need to have frameworks for understanding their own behaviour and that of others. This unit provides students with essential knowledge as a basis for their personal and professional effectiveness. It is the foundation for understanding further study in psychology and its many applications.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Kelvin Grove **Incompatible with:** PYB073, PYB100, PYB101

PYB054 Psychology and Gender

This unit asks 'What is gender?'. It includes 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.

Prerequisite(s): PYB012 or PYB100 or PYB101 or PYB102

Credit points: 12 **Contact hours:** 3 per week

Campus: Kelvin Grove

PYB067 Human Sexuality

This unit explores historical approaches to studying, explaining and regulating human sexuality with an awareness of the social nature of definitions of 'normal' or 'acceptable' sexual behaviours. Students critically examine definitions of 'healthy' or 'morally acceptable' or 'normal' sexuality. Different models of sexuality are considered with an emphasis on contemporary critiques of the traditional paradigms of sexuality in the West.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB074 Communication for Nursing and Midwifery Practice

Effective communication with health professionals and patients, and an understanding of interpersonal skills in general, is essential for providing quality care in the nursing context. Communication that is effective can assist to build team work and to ensure the best care possible is provided to each person and group. This unit encourages links between research, personal insight, and the development of practical communication skills for use in both one-on-one interpersonal situations and small group environments. The communication microskills presented in this unit are the foundation for successful personal and professional relationships and are essential for professional nursing practice.

Credit points: 12 **Campus:** Kelvin Grove and Caboolture
Incompatible with: PYB007, PYB073, HHB113

PYB100 Foundation Psychology

This unit provides an introduction to the major content areas of psychology, including an introduction to psychological research and report-writing, for students intending to pursue further studies in psychology.

Psychology is a broad-ranging and multifaceted discipline which encompasses the scientific study of human behaviour, and the systematic application of knowledge gained from psychological research to a broad range of applied issues. The goal of this introductory unit is to introduce you to the major subfields and perspectives in psychology, and to develop your understanding of the research methods and report-writing conventions used in psychological research.

NOTE for Summer 2009 students:

Students should set aside 2 weeks from Mon 30th Nov â Fri 11 Dec, with the final exam on Monday 14th December.

Lectures and tutorials will be on Monday, Tuesday, Wednesday of each week (30 Nov, 1 & 2 Dec, and 7, 8, 9 Dec), with the exam on the last Monday (14th).

Credit points: 12 **Contact hours:** 3 hours per week
Campus: Kelvin Grove **Incompatible with:** PYB073, PYB012, PYB101

PYB102 Introduction to Psychology 1B

Introduction to Psychology 1B extends the introduction provided in Introduction to Psychology 1A to psychology as the scientific study of human behaviour. This unit introduces students to the basic biological and psychological processes underlying perception, memory, learning, problem solving, consciousness, and language. In addition, research participation experience is provided to the students.

Prerequisite(s): PYB101 or PYB100 **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove

PYB110 Psychological Research Methods

This unit includes the following: 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; understanding relationships between variables through correlation and regression; an introduction to hypothesis-testing procedures using t-tests.

NOTE for Summer 2009 students:

Teaching will not commence until January 2010, but some unit information will be available from 16 November 2009.

Lectures - Monday 18th to Friday 29th January on Mon, Wed, Fri, 9.30 to 4.30.

Students should set aside the full 2 weeks + 1 day to the unit. Final exam will be on Monday 1st February.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB111 Paramedic Communication Skills

Paramedics require advanced skills in communication to face challenging situations. This unit provides the core knowledge and skills necessary for developing effective communication skills which enable a paramedic to establish an accurate and efficient clinical history, to provide support to patients at times of accurate stress and to understand his or her own responses to situations. Topics covered include basic communication skills; models and processes in communication; communication with special needs patients (eg with acute mental illness; developmental disabilities or sensory deficits; non-English speaking background; angry, distressed or intoxicated patients; children and the elderly); building cooperative relationships with patients and colleagues.

Prerequisite(s): PUB180 **Credit points:** 12 **Campus:** Kelvin Grove

PYB158 Introduction to Substance Abuse in Australia

This unit introduces students to alcohol and drug use in the Australian context. The unit examines the terminology and definitions commonly associated with the alcohol and other drug field as well as providing an overview of models of drug use. This unit compares and contrasts current trends and patterns of substance use in Australia and critically examines the legitimacy of this focus. Australian substance use/abuse patterns are positioned within a global context.

Contact hours: 3 per week **Campus:** Kelvin Grove

PYB159 Alcohol & Other Drug Studies

This unit aims to give students an understanding of the extent of substance abuse in our community: who uses what, where and when; the models that have been advanced for understanding substance abuse; the intervention and therapeutic models utilised within the field; the effects of substance abuse, physiologically, socially and psychologically.

Prerequisite(s): Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB202 Social and Organisational Psychology

People are social beings. Their thoughts, feelings and actions are influenced by the real, imagined or implied presence of others. To obtain greater insight into people's behaviour, it is essential to investigate scientifically the relationship between the individual and the group. We will study the effects of the individual within the group and the group within the individual and also consider the influence of these processes in the organisational setting.

Prerequisite(s): PYB101 or PYB100 or PYB102 **Credit points:** 12 **Campus:** Kelvin Grove **Incompatible with:** PYB205

PYB203 Developmental Psychology

This unit provides an introduction to life span developmental psychology. It covers the major theories of life span development and includes biological, social and cognitive aspects of development from birth through to old age. It emphasises the interdependency of all aspects of development and the importance of the physical, family, socio-cultural and historical contexts within which development occurs. The unit aims to develop the student's understanding of general patterns of human development and of the ways in which the development of particular individuals and groups may vary from these general patterns.

Prerequisite(s): PYB100 or PYB101 or PYB102 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB204 Perception and Cognition

Cognitive psychology is a major empirical and theoretical area of psychology which explores the processes and structures involved at each stage of information processing within the brain. The structures and processes involved in perception provide the brain with its basic information about both the external world and many of the current states of the individual. Higher level cognitive processes and structures provide the foundation upon which more complex aspects of behaviour are based. The unit is placed in second semester of second year so that students following the normal course structure have an adequate background in research design and data analysis.

Prerequisite(s): PYB101 or PYB100 or PYB102 **Credit points:** 12 **Campus:** Kelvin Grove **Incompatible with:** PYB201 and/or PYB303

PYB207 Psychology in the Community

The aim of this unit is enable you to develop your work-literacy and work-readiness, by providing opportunities to apply psychological knowledge in workplace contexts,

supported by activities that promote critical reflection on your learning and workplace practices. Your participation in this unit requires you to establish, conduct, and complete an approved period of volunteer work or placement.

You may be asked to produce a Blue Card (suitability for working with children and young people clearance) before commencing your work placement and it is therefore your responsibility to have obtained this clearance prior to commencing your placement.

Prerequisite(s): Final year PY45 or IF12 students only

Credit points: 12 **Campus:** Kelvin Grove

PYB208 Counselling Theory and Practice 1

This unit develops the student's knowledge of the counselling process and skills and provides practice in changing the ways in which people express, conceptualise and respond to their concerns. It builds upon the communication skills and concepts introduced in PYB007 and introduces a range of counselling approaches. It emphasises skills in solution oriented approaches but also covers a range of models and skills for workers in crisis situations. It provides a basis for further studies in counselling in clinical settings requiring psychotherapeutic intervention, and other modes of delivery such as couple, family or group work.

Prerequisite(s): PYB007 or equivalent **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove

PYB210 Research Design and Data Analysis

This unit takes an hypothesis testing approach to data analysis. This means that statistical analysis is treated as one step in a larger process which also includes formulating theoretically sound predictions, designing a suitable experiment to test the predictions, selecting the appropriate statistics to test the predictions, calculating and interpreting the required statistics, and reporting the outcomes in the correct way. This unit provides the student with the knowledge and skills required to do these tasks with respect to two types of prediction, differences between means and relationships between sets of scores.

Prerequisite(s): PYB110 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB215 Forensic Psychology and the Law

Forensic Psychology is readily acknowledged as one of the fastest growing areas of psychology in the world. Psychologists are now involved significantly in policing, judicial procedures and correctional processes. By its very nature the study of psychology and law draws from a wide multi-disciplinary base for the application of specialised knowledge. As a student of this discipline area, you will need a broad introductory appreciation of (and a critical perspective on) what the study of psychology and the law involves and what it has to offer across the three criminal justice domains of the police, the courts, and corrections.

Prerequisite(s): 48 credit points of study **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

PYB257 Group Work

This unit provides an opportunity for experiential group learning, either intensively or in regular program times. It 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.

Prerequisite(s): PYB007 or equivalent **Credit points:** 12

Contact hours: 1 week intensive between semesters 1 & 2

Campus: Kelvin Grove

PYB260 Psychopharmacology of Addictive Behaviour

This unit develops the student's understanding of behavioural pharmacology, with particular emphasis on the psychopharmacology of addictive behaviours. To establish a framework for learning, classes will initially include a review of neurobiology, introduction to pharmacokinetics, and discussion of research methods used to investigate psychopharmacological effects of drugs on behaviour. Subsequent classes address the history and origin of the more commonly used addictive substances, routes of administration, patterns of distribution and excretion, neuropharmacology, and the effects of acute and chronic administration. Substances covered include those that are most widely associated with problems of dependence and addiction.

Prerequisite(s): PYB159 **Contact hours:** 3 per week

Campus: Kelvin Grove

PYB302 Industrial and Organisational Psychology

Participation in the workplace is an integral component in the lives of most people. It is important therefore to understand the behaviour of people, individually and collectively, within the workplace. Industrial and organisational psychologists are concerned with advancing the knowledge of the relationship between people and work, and using this knowledge to promote the effective organisation of human resources.

Prerequisite(s): PYB205 or PYB202 **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove

PYB304 Physiological Psychology

This unit aims to provide a broad introduction to the area of neuropsychology and discusses both the clinical and cognitive approaches in the field. Three broad areas are covered: neuroanatomy, neuropathology, the cognitive analysis of resulting deficits. Students learn about major neuroanatomical structures and their interconnections, with an emphasis on how this information is applied in the clinical setting. They also study a number of neuropsychological disorders in terms of their diagnosis, assessment and treatment, as well as the psychosocial effects such deficits have on the patients.

Prerequisite(s): PYB101 & PYB102 **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove

PYB306 Psychopathology

The unit provides an introduction to problems in psychological functioning and reviews research and theory relating to the major classes of mental disorder identified in DSM-IV, the diagnostic and classification manual most frequently employed in Australia and the United States. An integrated approach to the understanding of

psychopathology is emphasised, highlighting the reciprocal influence of biological, psychological and social factors on behaviour.

Prerequisite(s): PYB205 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB307 Health Psychology

This unit examines the psychological dimension of physical illness, health, and health care. There is a strong focus on health psychology in an Australian context with particular emphasis on cross-cultural and indigenous health-related issues. The unit examines definitions of health and health psychology; the role of health psychology; the determinants of health behaviours (e.g., cognitive, attitudinal, motivational, personality, social, developmental); medical settings and patient behaviour; patient and practitioner communication; stress, illness, and coping; pain and pain management; chronic and terminal illness in childhood and adulthood.

Prerequisite(s): PYB100 or PYB101 or PYB102 and 48 credit points of second year (psychology or non-psychology) units **Credit points:** 12 **Campus:** Kelvin Grove

PYB309 Individual Differences and Assessment

Individuals differ on a broad range of characteristics that are influenced by many factors including culture, sex, intelligence, personality, life experiences and values. There are a number of ways, within the discipline of psychology, to conceptualise and explain these differences. In this unit we introduce the major theories that underpin explanations of individual differences and the ways in which those who hold to different perspectives seek to measure the various constructs. Important properties of measurement tools such as reliability and validity will also be covered as well as the utility and applicability of various measures.

Prerequisite(s): 36 Credit Points of 2nd and/or 3rd year psychology units **Credit points:** 12 **Campus:** Kelvin Grove **Incompatible with:** PYB206 and/or PYB311

PYB311 Psychological Assessment

Psychological assessment is a way of evaluating and understanding individuals. This unit is designed to introduce the student to the principles of psychological assessment. The different types of psychological assessments and issues involved in the assessment of normal and clinical populations are examined. Topics include ethical, psychometric, procedural and interpretative issues in the assessment of children, adolescents and adults. Although the major emphasis is on assessment theory, the mainstream tests that are available to qualified psychologists are also discussed.

Prerequisite(s): 36 credit points of 2nd & or 3rd year psychology units **Contact hours:** 3 per week **Campus:** Carseldine **Incompatible with:** PYB309

PYB350 Advanced Statistical Analysis

The unit provides students considering further study in psychology with a thorough grounding in analysis of variance techniques, an introduction to multiple regression, and the data analysis tools used in a broad range of research designs in the social sciences. The unit extends the introduction to analysis of variance and regression

provided in PYB210, considering more complex designs involving two or more independent variables. The unit is both theoretical (including the use of conceptual formulae to analyse simple data sets by hand) and practical (analysing data sets using the SPSS statistical package), giving students a firm understanding of the principles underlying each analysis.

Prerequisite(s): PYB210 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB356 Counselling Theory and Practice 2

This unit focuses on the common facilitative factors within a counselling process paying attention to the person of the therapist and the counselling relationship. In order to respond appropriately and therapeutically to the needs of their clients, counsellors must have a clear understanding of the social and interactive processes which occur. Consideration of verbal, non-verbal, social, emotional, gender, psychological and social dimensions enables counsellors to develop effective, functional and client-focused relationships and to control biases, needs and possible exploitive practices.

Prerequisite(s): PYB208 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB358 Advanced Developmental Psychology

In this unit, the focus is on child development, with an emphasis on the infant and the child up to adolescence. Students review images of children and the unfolding of their cognitive abilities within the cadre of theories of cognitive development. Among the areas studied are the nature and development of memory, the development of numerical thinking, and children's ability to understand another's view of the world. In addition to these topics a substantial part of the unit is concerned with the acquisition (both normal and atypical) of language, including the acquisition of language in the bilingual child.

Prerequisite(s): PYB203 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB359 Introduction to Family Therapy

Family therapy, based on a systemic or relationship understanding of human problems, has been one of the most significant influences in the fields of counselling and psychology in recent times. With the increasing emphasis on the family as a focus for social policy, support services, research, and intervention, it is important for counsellors and psychologists to have some familiarity with the basic concepts and skills of this broad approach. This unit focuses on providing basic skills and concepts from one particular approach which will be called 'Constructive Therapy', combining aspects of solution-focused therapy, possibility therapy, narrative therapy and reflecting team practice.

Prerequisite(s): PYB208 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB360 Interventions for Addictive Behaviours

Addictive behaviours, in the form of alcohol-dependence, substance abuse and gambling, are recognised as major problems nationally and internationally. This unit focuses predominantly on psychological aspects of addictive behaviours. To establish a framework for learning, classes initially review issues relating to psychological models of

addiction and methods of studying addictive behaviours. Issues pertaining to the symptomatology, etiology and assessment of addictive behaviours, as well as the theoretical underpinnings of a range of therapeutic interventions are also discussed. This unit encourages critical thinking and analysis with the aim of enhancing students' understanding of the complex issues relating to management of addictive behaviours.

Prerequisite(s): PYB158 or PYB159 or PYB260 **Credit points:** 12 **Contact hours:** 1 week intensive between semesters 1 & 2 **Campus:** Kelvin Grove **Incompatible with:** PYN460

PYB371 Introduction to Road Safety

This unit introduces the key principles and practices in road safety. Special emphasis is given to the broad context of road use/transport in society and the economic and social implications of road crashes. It introduces the basics of information retrieval, road crash analysis and interpretation, and the strategic development of road safety countermeasures.

Prerequisite(s): 96 credit points **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB372 Traffic Psychology and Behaviour

This unit reviews the wide range of factors that influence the behaviour of road users, particularly those that contribute to the incidence of road crashes or exacerbate their severity. It considers all types of road users, including motor vehicle drivers and passengers, motorcycle riders, cyclists and pedestrians. The student examines a range of theoretical models which have been used to explain the behaviour of road users.

Prerequisite(s): 96 credit points **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB374 Applying Traffic Psychology

This unit reviews the various strategies and programs designed to modify road user behaviour. Effective and ineffective approaches are compared, in order to identify the key characteristics of successful programs. While this is a stand-alone unit, it extends many of the theoretical and practical issues covered in PYB372 -Understanding Road User Behaviour.

Prerequisite(s): 96 credit points **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB400-1 Thesis (Part 1)

This unit covers four parts (each of 12 credit points) which must be completed satisfactorily, leading to the submission of a research thesis. Students select a research topic and design and conduct a related research program using appropriate quantitative/qualitative methods of analysis. This research is reported in a written thesis in APA fifth edition format. Assessment of the thesis is in accordance with University assessment procedures.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB400-2 Thesis (Part 2)

This unit covers four parts (each of 12 credit points) which must be completed satisfactorily, leading to the submission

of a research thesis. Students select a research topic and design and conduct a related research program using appropriate quantitative/qualitative methods of analysis. This research is reported in a written thesis in APA fifth edition format. Assessment of the thesis is in accordance with University assessment procedures.

Credit points: 12 **Campus:** Kelvin Grove

PYB400-3 Thesis (Part 3)

This unit covers four parts (each of 12 credit points) which must be completed satisfactorily, leading to the submission of a research thesis. Students select a research topic and design and conduct a related research program using appropriate quantitative/qualitative methods of analysis. This research is reported in a written thesis in APA fifth edition format. Assessment of the thesis is in accordance with University assessment procedures.

Credit points: 12 **Campus:** Kelvin Grove

PYB400-4 Thesis (Part 4)

This unit covers four parts (each of 12 credit points) which must be completed satisfactorily, leading to the submission of a research thesis. Students select a research topic and design and conduct a related research program using appropriate quantitative/qualitative methods of analysis. This research is reported in a written thesis in APA fifth edition format. Assessment of the thesis is in accordance with University assessment procedures.

Credit points: 12 **Campus:** Kelvin Grove

PYB401 Advanced Research Methods

This unit provides the student with a firm understanding of a range of multivariate procedures as well as the skills to apply each analysis appropriately. In addition this unit aims to prepare students as critical consumers of psychological research.

Prerequisite(s): PYB350 or equivalent **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB402 Counselling Psychology

This unit introduces the field of counselling psychology, one of the specialised professional colleges within the Australian Psychological Society. The thematic focus is on the critical analysis, comparison, and evaluation of selected counselling orientations (for example, solution-focused therapy, narrative therapy, cognitive-behavioural therapy, psychodynamic therapy, etc). Comparison of these approaches involves a consideration of major contemporary issues relating to the integration of theory, research and ethical practice.

Prerequisite(s): PYB208 or equivalent **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB403 Cognitive Neuropsychology

This unit aims to provide a broad introduction to the area of neuropsychology and discusses both the clinical and cognitive approaches in the field. Three broad areas are covered: neuroanatomy; neuropathology; the cognitive analysis of resulting deficits. The student extends their

knowledge of major neuroanatomical structures and their interconnections, with an emphasis on how this information is applied in the clinical setting. A number of neuropsychological disorders are also examined in terms of their diagnosis, assessment and treatment, as well as the psychosocial effects such deficits have on the patients.

Prerequisite(s): PYB303 and PYB304 and PYB311

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB404 Issues in Social Developmental Psychology

This unit evaluates the contributions of social and developmental psychology to the understanding of human behaviour. The unit examines topics in social development, as they relate to families and individuals across the lifespan.

Prerequisite(s): PYB203 or equivalent **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove

PYB405 Advanced Organisational Psychology

Students explore the role of organisational psychologists as both internal and external consultants who are skilled psychological researchers. Special attention is given to the interaction between organisation systems, community needs, and human beings in differing cultural, political and economic environments.

Prerequisite(s): PYB302 or equivalent **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove

PYB407 Research and Professional Development Seminar

This unit develops and extends students' understanding of research and practice issues in psychology. It covers current debates and controversies within psychology. Students are encouraged to formulate critical responses to these topics. Attention is also given to the issue of ethics in psychological research and practice. A case-based approach to the study of ethics is used, with reference to the APS Code of Ethics as well as Codes from similar international organisations. Where possible guest speakers, including researchers and practising psychologists, will be invited to participate in seminars to develop and expand students' understanding of broader issues in psychological research and practice.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYB450-1 Research Thesis (Part 1)

This research project, listed as three separate 12 credit point units, is to be completed as a group empirical research project.

Credit points: 12 **Campus:** Kelvin Grove

PYB450-2 Research Thesis (Part 2)

This research project, listed as three separate 12 credit point units, is to be completed as a group empirical research project.

Credit points: 12 **Campus:** Kelvin Grove

PYB450-3 Research Thesis (Part 3)

This research project, listed as three separate 12 credit point units, is to be completed as a group empirical research project.

Credit points: 12 **Campus:** Kelvin Grove

PYN000 Counselling Studies 1

This unit provides the student with an initial overview of the field of counselling, before focusing on the theory and practice of one contemporary perspective called 'Constructive' or 'Time-Effective' Therapy. It is an approach based largely in social constructionist principles and promotes a view of counselling as a unique conversational process which attempts to validate the client's experience, while pursuing possibilities for desired change. It also suggests a time-effective perspective, emphasising the possibility of working briefly and effectively with clients. Selected ideas and practices from several related approaches including solution focused therapy, possibility therapy and narrative therapy will be integrated.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYN001 Professional Studies 1

This is an introduction to the professional study of counselling and the 'common factors' present in most counselling approaches. These factors, which include the working relationship, the focus on client resources, and the instillation of hope, contribute greatly to the counselling outcome. In order to respond appropriately and therapeutically to the needs of their clients, counsellors must have a clear understanding of the social and interactive processes that occur in counselling. Verbal, nonverbal, social, emotional, gender, psychological and cultural dimensions are all present in the counselling process. Consideration of these dimensions enables counsellors to develop effective, functional and client-focussed relationships.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYN002 Counselling Studies 2

The historical development of psychoanalysis and analytic therapy is examined as well as the utilisation of concepts derived from these approaches and from Process/Experiential work. Understanding the differences between neurotic and psychotic behaviour, and of the need for appropriate referral, is highlighted.

Prerequisite(s): PYN000 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYN003 Group Studies

This unit provides the development of skills and approaches in organising and facilitating group work, in the context of personal support and therapeutic groups. It addresses the following: establishing group norms; facilitating stages of group development; responding to member behaviour and developing facilitator interventions; planning, implementing and evaluating ethical group work practices; dealing with defensiveness and hidden agendas; applying brief solutions-focused and reflecting team processes to groups; examining the motion of the therapeutic milieu.

Prerequisite(s): PYN001 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYN004 Counselling Studies 3

This unit is designed to provide both an experiential and skills-based approach to specific approaches. The unit is

taught in two complementary strands. One strand is largely experiential which focuses on students' exploration of their own family of origin and family dynamics. The second strand extends the process into specific theoretical perspectives and skill development. The approaches build on some of the major orientations and skill areas covered in previous units: constructive therapies (ie solution-focused therapy and narrative therapy), psychodynamic approaches, and reflecting team work.

Prerequisite(s): PYN002 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYN006 Professional Studies 2

This unit provides an experiential introduction to the process of professional supervision. Supervision processes, roles, responsibilities, content, approaches and theories are reviewed. Each student will have the experience of being supervised using one of five major counselling supervision approaches: solution-oriented, narrative, process-experiential, analytic and group-developmental. Professional issues commonly addressed in supervision such as power, gender, culture, consent, duty of care etc are reviewed.

Prerequisite(s): PYN001 **Credit points:** 12 **Campus:** Kelvin Grove

PYN007 Professional Studies 3

Clinical supervision involves the development of a working alliance between a counsellor and another skilled professional in order to examine and reflect on the counsellor's work. The role of the supervisor ranges from an educative, advisory one through to a supportive, collaborative and consultative approach depending on the counsellor's level of professional development and competence. Supervision can occur individually or in groups and can take place 'in vivo' (during actual counselling) or delayed (using self reporting or taped material).

Prerequisite(s): PYN006 **Credit points:** 12 **Campus:** Kelvin Grove

PYN008-1 Project (Part 1)

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 and progressive work is presented to other students. The completed project is to be presented in the form of a dissertation of not more than 15,000 words. Opportunity may be provided to work in the Family Therapy and Counselling Clinic as a way of achieving project requirements.

Prerequisite(s): PYN014 **Credit points:** 12 **Contact hours:** 3 per week equivalent **Campus:** Kelvin Grove

PYN008-2 Project (Part 2)

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 and progressive work is presented to other students. The completed project is to be presented in the form of a dissertation of not more than 15,000 words. Opportunity may be provided to work in the Family Therapy and Counselling Clinic as a way of achieving project requirements.

Prerequisite(s): PYN014 **Credit points:** 12 **Contact hours:** 3 per week equivalent **Campus:** Kelvin Grove

PYN008-3 Project (Part 3)

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 and progressive work is presented to other students. The completed project is to be presented in the form of a dissertation of not more than 15,000 words. Opportunity may be provided to work in the Family Therapy and Counselling Clinic as a way of achieving project requirements.

Prerequisite(s): PYN014 **Credit points:** 12 **Contact hours:** 3 per week equivalent **Campus:** Kelvin Grove

PYN013 Advanced Counselling Studies

This elective unit is designed to allow students to build on these skills by pursuing counselling studies in two or more specialised areas. Students select studies in two modules. Areas from which selections can be made might include: experiential therapy, family therapy, narrative therapy, relationship counselling, depression, loss and grief and group work. Students may also complete one or both modules through approved forms of independent study (eg completion of approved workshops, courses or special areas of alternative study).

Prerequisite(s): PYN004 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYN014 Research for Counselling Practice

This unit aims to prepare students for the reflecting team counselling practice in the Family Therapy and Counselling Clinic in the third year project units. The unit also prepares students for applied counselling project work in professional practice settings.

Prerequisite(s): PYN002 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYN021 Research Thesis 1

The aim of the research thesis is to provide you with the opportunity to develop high-level skills in the evaluation, interpretation and application of research. It will also enable you to undertake in-depth research, in a specialised area of psychology and to make a contribution to the professional literature in clinical psychology.

This Unit will focus on introducing you to contemporary research methodologies and program evaluation. In addition, you will be required to develop a research proposal and submit an ethics application involved in undertaking your research, as part of the unit.

Prerequisite(s): Enrolment in PY18 **Credit points:** 12 **Campus:** Kelvin Grove

PYN022 Research Thesis 2

To ensure high quality practice, psychologists working in the area of clinical psychology are continually required to reflect upon and modify their own practice to incorporate knowledge of the most recent research evidence. This requires clinical psychologists to have advanced skills in the

critical evaluation, interpretation and application of research. The research thesis provides advanced skill development in these areas.

The aim of the research thesis unit is to provide you with the opportunity to develop high-level skills in the evaluation, interpretation and application of research. It will also enable you to undertake in-depth research in a specialised area of psychology and to make a contribution to the professional literature in clinical psychology.

Prerequisite(s): Enrolment in PY18 & completion of PYN021 **Credit points:** 12 **Campus:** Kelvin Grove

PYN023 Research Thesis 3

To ensure high quality practice, psychologists working in the area of clinical psychology are continually required to reflect upon and modify their own practice to incorporate knowledge of the most recent research evidence. This requires clinical psychologists to have advanced skills in the critical evaluation, interpretation and application of research. The research thesis provides advanced skill development in these areas. The aim of the research thesis is to provide you with the opportunity to develop high-level skills in the evaluation, interpretation and application of research. It will also enable you to undertake in-depth research, a specialised area of psychology and to make a contribution to the professional literature in clinical psychology.

Prerequisite(s): Enrolment in PY18 & completion of PYN021 **Credit points:** 12 **Campus:** Kelvin Grove

PYN024 Research Thesis 4

To ensure high quality practice, psychologists working in the area of clinical psychology are continually required to reflect upon and modify their own practice to incorporate knowledge of the most recent research evidence. This requires clinical psychologists to have advanced skills in the critical evaluation, interpretation and application of research. The research thesis provides advanced skill development in these areas.

The aim of the research thesis unit is to provide you with the opportunity to develop high-level skills in the evaluation, interpretation and application of research. It will also enable you to undertake in-depth research in a specialised area of psychology and to make a contribution to the professional literature in clinical psychology.

Prerequisite(s): Enrolment in PY18 & completion of PYN021 **Credit points:** 12 **Campus:** Kelvin Grove

PYN025 Clinical Psychological Interventions 1

The broad aim of this unit is to cover fundamental aspects of psychological change with adults and children and to introduce you to the theoretical orientation and practical skills involved in cognitive-behaviour therapy. An associated aim is to integrate theory, research and practice, and to encourage students to articulate the link between these areas.

Prerequisite(s): Enrolment in PY18 or PY50 or permission of the Unit Coordinator **Credit points:** 12 **Contact hours:** 3 hours per week **Campus:** Kelvin Grove
Incompatible with: PYN026

PYN027 Clinical Psychological Assessment

This unit is designed to build on undergraduate training in psychological assessment. The understanding of theoretical perspective in psychological assessment is reinforced. A range of assessment techniques and tests, supported by research, are taught. The unit will explore some of the contextual issues which may have an impact upon the clinical assessment of Indigenous Australians, and outline some important principles of culturally safe clinical assessment. Further, you will also learn the ethical and legal issues involved in psychological assessment.

Prerequisite(s): Enrolment in PY18 or PY50 or permission of Unit Coordinator **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYN028 Clinical Psychopathology

This unit provides the student with a foundation and critical awareness of the development and phenomenology of psychological disorders. The unit undertakes a systematic study of the mechanisms and etiology of psychological disorders in individuals across the lifespan.

Prerequisite(s): Enrolment in PY18 or PY50 or permission from Unit Coordinator **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYN030 Professional Practice in Clinical Psychology

Clinical psychology practice involves a unique process which requires an understanding of special roles, power relationships, boundaries and ethical principles in order to safeguard client rights. This unit presents an overview of ethical, legal and professional issues encountered in practice, and also emphasises the role of supervision in addressing these.

Prerequisite(s): Enrolment in PY18 or PY50 or permission of Unit Coordinator **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYN031-1 Research Thesis (Part 1)

In completing the thesis, students are expected to demonstrate competency in critical and analytic thought, and research-related skills in a context that may make a contribution to the professional literature of Clinical Psychology. PYN031 is divided into four 12 credit point sections - PYN031/1, PYN031/2, PYN031/3, PYN031/4.

PYN031 (Part 1) requires students to hand in an extensive literature review on a chosen topic and an outline of the research question and the hypotheses or aims of the study.

Credit points: 12 **Campus:** Kelvin Grove

PYN031-2 Research Thesis (Part 2)

In completing the thesis, students are expected to demonstrate competency in critical and analytic thought, and research-related skills in a context that may make a contribution to the literature of Clinical Psychology. The unit is divided into four 12 credit point sections - PYN031/1, PYN031/2, PYN031/3, PYN031/4.

In PYN031 (Part 2) students prepare and compile the design and method section and complete an ethics

application.

Credit points: 12 **Campus:** Kelvin Grove

PYN031-3 Research Thesis (Part 3)

In completing the thesis, students are expected to demonstrate competency in critical and analytic thought, and research-related skills in a context that may make a contribution to the literature of Clinical Psychology. The unit is divided into four 12 credit point sections - PYN031/1, PYN031/2, PYN031/3, PYN031/4.

Students in PYN031 Part 3 complete the data collection and analysis.

Prerequisite(s): PYN031 (Part 2) **Credit points:** 12
Campus: Kelvin Grove

PYN031-4 Research Thesis (Part 4)

In completing the thesis, students are expected to demonstrate competency in critical and analytic thought, and research-related skills in a context that may make a contribution to the literature of Clinical Psychology. The unit is divided into four 12 credit point sections - PYN031/1, PYN031/2, PYN031/3, PYN031/4.

In Part 4 students are expected to undertake the compilation of the thesis document and complete the final editing of the document.

Credit points: 12 **Campus:** Kelvin Grove

PYN034 Childhood Psychopathology and Treatment

This unit provides students with a sound understanding of the aetiology, diagnosis and management of emotional and behavioural disorders in children. Emphasis is placed on understanding the child within the context of the family and the wider community, and the critical evaluation of the evidence for different strategies for assessing and managing the mental health needs of children and their families.

Prerequisite(s): Enrolment in PY18 or PY50 or permission of Unit Coordinator **Credit points:** 12 **Contact hours:** 3
Campus: Kelvin Grove

PYN035 Supervised Practicum 1

This unit provides students with the opportunity to develop psychodiagnostic assessment and clinical skills. Students undertake 250 hours of psychological practice including at least 60 hours of direct client contact in the QUT Psychology Clinic.

Prerequisite(s): Enrolment in PY18 or PY50 or permission of Unit Coordinator, plus general registration with probationary conditions with Psychologists Board of Qld
Credit points: 12 **Campus:** Kelvin Grove

PYN036 Supervised Practicum 2

This unit provides students with the opportunity to build on PYN035 and to develop psychodiagnostic assessment and clinical skills. Students undertake 250 hours of psychological practice including at least 100 hours of direct client contact in the QUT Psychology Clinic.

Prerequisite(s): PYN035 plus probationary registration with the Psychologists Board of Queensland **Credit points:** 12
Campus: Kelvin Grove

PYN037 Supervised Practicum 3

This core unit of the Master of Clinical Psychology course is intended to provide students with the opportunity to build on previous placements and to develop higher level psychodiagnostic assessment and clinical skills.

Prerequisite(s): PYN036 plus probationary registration Psychologists Board of Qld. For Qld Health placements Hepatitis B Vaccination and Qld Health web-based orientation **Credit points:** 12 **Campus:** Kelvin Grove

PYN038 Supervised Practicum 4

This core unit of the Master of Clinical Psychology course builds on PYN037 and provides the opportunity to develop advanced psychodiagnostic assessment and clinical skills.

Prerequisite(s): PYN037 plus probationary registration Psychologists Board of Qld. For Qld Health placements Hepatitis B Vaccination and Qld Health web-based orientation **Credit points:** 12 **Campus:** Kelvin Grove

PYN039 Health Psychology and Rehabilitation

This unit develops core skills and understanding in health psychology and rehabilitation within a clinical psychology context. It includes modules in health psychology, behavioural medicine, rehabilitation and psychopharmacology. An integrated and scientific approach with the recognition of the importance of an evidence based perspective is used to explore the application of the principles in clinical situations.

Prerequisite(s): Enrolment in PY18 or PY50 or permission of Unit Coordinator **Credit points:** 12 **Contact hours:** 3
Campus: Kelvin Grove

PYN041 Supervised Practicum 5

This unit aims to enhance professional knowledge and skills in the practice of clinical psychology, awareness of ethical guidelines and professional conduct through supervised clinical practice (250 hours including 120 hours of direct client contact) within an area of specialisation

Prerequisite(s): PYN038 + registration (probationary or full) with Psychologists Board of Qld + where relevant Qld Health web-based orientation and hepatitis B vaccination
Credit points: 12 **Campus:** Kelvin Grove

PYN042 Supervised Practicum 6

This unit aims to enhance professional knowledge and skills in the practice of clinical psychology, awareness of ethical guidelines and professional conduct through supervised clinical practice (250 hours including 120 hours of direct client contact) within an area of specialisation

Prerequisite(s): PYN041 + registration (probationary or full) with Psychologists Board of Qld + where relevant Qld Health web-based orientation and hepatitis B vaccination
Credit points: 12 **Campus:** Kelvin Grove

PYN044 Clinical Psychological Interventions 2

The aim of this unit is to provide you with a theoretical grounding and practical skills in brief psychodynamic and interpersonally-based psychotherapies and their application within an integrative framework.

Prerequisite(s): Enrolment in PY18 or PY50 or permission of the Unit Coordinator **Credit points:** 12 **Contact hours:** 3 hours per week **Campus:** Kelvin Grove

PYN045 Clinical Psychological Interventions 3

This core unit covers the theories and skills of systemic, narrative and solution-focussed approaches required for relationship counselling and family therapy. The unit has a practical emphasis on common child-focussed and adult-focussed problems. The unit will examine the implications of each of the approaches from an evidence-based practice perspective.

Prerequisite(s): Enrolment in PY18 or PY50 or permission of the Unit Coordinator **Credit points:** 12 **Contact hours:** 3 hours per week **Campus:** Kelvin Grove **Incompatible with:** PYN029

PYN052-1 Research Thesis (Part 1)

This unit has 8 parts completed over years 2 and 3 full-time or years 3 to 6 part-time of the course. Students undertake in-depth research on a topic in clinical psychology and develop high-level skills in the evaluation, interpretation and application of research. They are required to submit a thesis or a 5,000 word literature review plus two prepared articles that report the research in a form that can be submitted for publication in an appropriate scholarly journal.

Prerequisite(s): Enrolment in PY50 **Credit points:** 12 **Campus:** Kelvin Grove

PYN052-2 Research Thesis (Part 2)

See the description for PYN052-1

Prerequisite(s): Enrolment in PY50 **Credit points:** 12 **Campus:** Kelvin Grove

PYN052-3 Research Thesis (Part 3)

See the description for PYN052-1

Prerequisite(s): Enrolment in PY50 **Credit points:** 12 **Campus:** Kelvin Grove

PYN052-4 Research Thesis (Part 4)

See the description for PYN052-1

Prerequisite(s): Enrolment in PY50 **Credit points:** 12 **Campus:** Kelvin Grove

PYN052-5 Research Thesis (Part 5)

See the description for PYN052-1

Prerequisite(s): Enrolment in PY50 **Credit points:** 12 **Campus:** Kelvin Grove

PYN052-6 Research Thesis (Part 6)

See the description for PYN052-1

Prerequisite(s): Enrolment in PY50 **Credit points:** 12 **Campus:** Kelvin Grove

PYN052-7 Research Thesis (Part 7)

See the description for PYN052-1

Prerequisite(s): Enrolment in PY50 **Credit points:** 12 **Campus:** Kelvin Grove

PYN052-8 Research Thesis (Part 8)

See the description for PYN052-1

Prerequisite(s): Enrolment in PY50 **Credit points:** 12 **Campus:** Kelvin Grove

PYN053 Advanced Integrative Psychotherapy

This unit provides an advanced understanding of the mechanisms of change, supported by empirical evidence and research methodologies, within an integrative psychotherapy framework. Content includes analysis of the assumptions and processes of therapist-client communication and the ways in which the reciprocal nature of communication affects the therapeutic process.

Credit points: 12 **Campus:** Kelvin Grove

PYN054 Advanced Assessment Across the Lifespan

This unit covers theory and skills associated with the assessment of specialised populations across the lifespan. The unit emphasises the research and practice of advanced assessment techniques. The focus is on advanced assessment of specialised populations including the elderly (e.g. memory), child development (e.g. attention and memory) and persons affected by brain injury. You will build upon your understanding of neurophysiology and neuroanatomy, and brain disorders affecting higher functions. The unit covers advanced research on human development, executive function, spatial processing, language, memory, attention and emotion, across the lifespan.

Prerequisite(s): Enrolment in PY18 or PY50 or permission from the Unit Coordinator **Campus:** Kelvin Grove

PYN601 Counselling and Consultation in Educational and Developmental Psychology

Advanced skills in counselling and consultation are required as a core competency of educational and developmental psychologists who work both directly with children, adolescents and families, and also more indirectly with groups, organisations and communities. Their roles vary from counselling individual children and supporting families, to advising teachers and becoming agents of change within organisations and communities. This unit provides students with the knowledge and skills necessary for developing effective counselling relationships with children, adolescents, adults and families and for working as consultants to various groups and systems within educational and developmental settings.

Prerequisite(s): Enrolment in IX20 or permission of Unit Coordinator **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYN602 Developmental Psychopathology

Educational and developmental psychologists work with children, adolescents and adults with a range of psychological disorders. They need a sound knowledge of major diagnostic systems and an understanding of assessment, treatment and prevention of psychopathology across the lifespan.

Prerequisite(s): Enrolment in IX20 or permission of Unit Coordinator **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYN603 Professional Practice in Educational and Developmental Psychology

The practice of psychology requires an understanding of special roles, power relationships, boundaries and ethical principles in order to safeguard client rights. It requires skills in working with individuals and groups from diverse

backgrounds, including those from other cultural groups. An understanding of legal issues and relevant legislation and standards is also essential in professional practice.

Prerequisite(s): Enrolment in IX20 or permission of Unit Coordinator **Credit points:** 12 **Contact hours:** 3
Campus: Kelvin Grove

PYN606 Applied Developmental Psychology

In order to provide effective approaches to the developmental challenges facing individuals and families at all points along the life course, educational and developmental psychologists need skills for describing, explaining, assessing, intervening and collaborating in the promotion of optimum developmental outcomes. These skills are developed in this unit.

Prerequisite(s): Enrolment in IX20 or permission of Unit Coordinator **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYN610-1 Research Thesis

To ensure high quality practice, psychologists working in the area of educational and developmental psychology are continually required to monitor and modify their own practice to incorporate knowledge of the most recent research, assessment tools and interventions. This requires educational and developmental psychologists to have advanced skills in the critical evaluation, interpretation and application of research. The research thesis provides advanced skill development in these areas.

Prerequisite(s): Enrolment in IX20 or permission of Unit Coordinator **Credit points:** 12 **Campus:** Kelvin Grove

PYN610-2 Research Thesis

To ensure high quality practice, psychologists working in the area of educational and developmental psychology are continually required to monitor and modify their own practice to incorporate knowledge of the most recent research, assessment tools and interventions. This requires educational and developmental psychologists to have advanced skills in the critical evaluation, interpretation and application of research. The research thesis provides advanced skill development in these areas.

Prerequisite(s): Enrolment in IX20 or permission of Unit Coordinator **Credit points:** 12 **Campus:** Kelvin Grove

PYN610-3 Research Thesis

To ensure high quality practice, psychologists working in the area of educational and developmental psychology are continually required to monitor and modify their own practice to incorporate knowledge of the most recent research, assessment tools and interventions. This requires educational and developmental psychologists to have advanced skills in the critical evaluation, interpretation and application of research. The research thesis provides advanced skill development in these areas.

Prerequisite(s): Enrolment in IX20 or permission of Unit Coordinator **Credit points:** 12 **Campus:** Kelvin Grove

PYN610-4 Research Thesis

To ensure high quality practice, psychologists working in the area of educational and developmental psychology are continually required to monitor and modify their own practice to incorporate knowledge of the most recent research,

assessment tools and interventions. This requires educational and developmental psychologists to have advanced skills in the critical evaluation, interpretation and application of research. The research thesis provides advanced skill development in these areas.

Prerequisite(s): Enrolment in IX20 or permission of Unit Coordinator **Credit points:** 12 **Campus:** Kelvin Grove

PYP101 Assessment Across the Lifespan

Campus: Kelvin Grove and External

PYP102 CARE COORDINATION ACROSS THE LIFESPAN

Credit points: 12 **Campus:** Kelvin Grove and External

PYP104 ADVANCED ASSESSMENT IN MENTAL HEALTH

Credit points: 12 **Campus:** Kelvin Grove and External

PYP107 MENTAL HEALTH PROMOTION, PREVENTION AND EARLY INTERVENTION

Credit points: 12 **Campus:** Kelvin Grove and External

PYP108 INDIVIDUAL PROJECT: MENTAL HEALTH APPLICATIONS

Credit points: 12 **Campus:** Kelvin Grove and External

PYP401 Introduction to Road Safety

This unit introduces the key principles and practices in road safety. Special emphasis is given to the broad context of road use/transport in society and the economic and social implications of road crashes. It introduces the basics of information retrieval, road crash analysis and interpretation, and the strategic development of road safety countermeasures.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYP402 Traffic Psychology and Behaviour

This unit reviews the wide range of factors that influence the behaviour of road users, particularly those that contribute to the incidence of road crashes or exacerbate their severity. It considers all types of road users, including motor vehicle drivers and passengers, motorcycle riders, cyclists and pedestrians. A range of theoretical models are examined which have been used to explain the behaviour of road users.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYP404 Applying Traffic Psychology

This unit reviews the various strategies and programs designed to modify road user behaviour. Effective and ineffective approaches is compared, in order to identify the key characteristics of successful programs. While this is a stand-alone unit, it extends many of the theoretical and practical issues covered in PYP402 - Traffic Psychology and Behaviour.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

PYP405 Road Safety Evaluation Models

This unit introduces the models and methods used to evaluate behaviour change interventions. In particular, it addresses the systematic application of social and behavioural research methodologies to improve the planning, implementation and monitoring of behavioural road safety programs and counter measures.

Credit points: 12 **Contact hours:** Block Mode
Campus: Kelvin Grove

PYP406 Road Safety Theory to Practice

This unit is undertaken in the latter half of both the Graduate Certificate and Graduate Diploma courses and draws together the various themes developed during the program. It is designed to provide students with an opportunity to study and respond to an existing or emerging road safety problem. The student is required to draw on the knowledge and skills they have developed to investigate and recommend solutions to the problem. As far as possible, the unit is designed to reflect the way road safety problems are approached and managed by road safety agencies.

Prerequisite(s): PYP401 **Credit points:** 12 **Contact hours:** 12 per semester, plus weekly contact with the Unit Coordinator **Campus:** Kelvin Grove

PYP407 Independent Study

This unit enables students to undertake an independent study based in their places of work. Individual supervision and objective feedback on the experience is an important component of the learning experience.

Prerequisite(s): PYP401 **Credit points:** 12 **Contact hours:** Weekly contact with Supervisor **Campus:** Kelvin Grove and External

PYP408 Road Safety Audit - Principles and Practice

Road Safety Audit is a powerful tool for improving the safety of the road network in a proactive manner. It complements the more traditional reactive approaches such as black spot programs. Although Road Safety Audit has been utilised by Australian road authorities for a number of years, there remains a lack of suitably skilled people to conduct the audits.

Consequently, the road authorities (through AUSTROADS) have developed national criteria for the Accreditation of Road Safety Auditors, which include the completion of an approved training course and the obtaining of relevant experience. This course has been designed in conjunction with the Queensland Department of Main Roads to satisfy all the requirements for an approved road safety audit course.

Credit points: 12

QCF111 Tertiary Preparation Studies 1

This unit introduces students to the study and learning skills required in an Australian university while gaining an understanding of the Australian culture and society. It includes the following topics: Australia's indigenous people; a brief review of Australian history; the family and multiculturalism; using the computer to gather information and communicate in an academic environment; assignment presentation, study skills and examination techniques.

Credit points: 12 **Contact hours:** 5 per week **Campus:**

Kelvin Grove

QCF112 Academic English 1

This unit is designed to help students communicate successfully in a variety of situations. This includes the fundamentals of oral and written communication set within the context of a number of academic situations. This will include effective listening skills, knowledge of how to conduct a seminar, the gathering of information from a variety of sources and its organisation for specific purposes, the various writing genres and the correct use of conventions in the English language.

Credit points: 12 **Contact hours:** 6 per week **Campus:** Kelvin Grove

QCF115 Foundation English

This unit is designed to continue the development of reading, writing, speaking and listening skills in English to prepare students for further studies in Foundation Communications. A variety of everyday English literature and real-life situations will be incorporated, with the emphasis being on active participation by students, as individuals and as group members. Such activities will provide students with the skills to explore and use the English language in different contexts. Basic computing skills for word processing and the use of QUT computing services will also be developed.

Credit points: 12 **Contact hours:** 4 hours per week
Campus: Kelvin Grove

QCF120 Accounting 1

This unit introduces the essential concepts of debit and credit; processing of financial transactions via journals and ledger through to trial balance for a sole-trading enterprise (including GST); end of accounting period adjustments and final reports (specifically preparation of Income Statement and Balance Sheet) and accounting controls over cash.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

QCF121 Economics 1

This unit introduces students to major economic issues; the basics of economic literacy necessary for future tertiary studies; a working knowledge of the global economy; an understanding of economic problems with particular reference to Australia; the main economic systems; the purpose of a five-sector model and the functions and characteristics of each sector.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

QCF122 Organisations And Management

This unit is designed to develop understanding of the significant role that organisations play in many facets of our lives, how organisations function and what is involved in working in organisations. The emphasis is on skills that are needed at all levels and in all areas of an organisation. You will develop a range of skills that are required by the individual to function effectively in teams and in an organisation.

Credit points: 12 **Contact hours:** 4 per week **Campus:**

Kelvin Grove

QCF153 Physical Sciences 1

This unit introduces students to scientific study and research processes and the basic principles underlying physics and chemistry; heat and temperature; geometric properties of light; reflection and refraction; diffraction and interference; introduction to electricity and magnetism; the atom; chemical periodicity; chemical names and formulas; chemical bonding; chemical quantities; chemical reactions; stoichiometry; thermochemistry; the behaviour of gases; water and aqueous systems; properties of solutions.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

QCF156 Mathematics A1

This unit focuses on basic rules of arithmetic; ratio, percentages and proportion; introduction to statistics; averages and interpretation of graphs; dispersion and graphical display; probability; arrangements and combinations; basic measurement, area and volume; spending money; borrowing money and investment.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

QCF157 Mathematics B1

This unit focuses on basic algebra; equations (including simultaneous equations); functions (including polynomials, exponential, logarithmic) and their graphs; growth and decay; introduction to trigonometry; factorisation; analytical geometry; averages; interpretation of graphs and probability.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

QCF160 Introduction to Creativity

In this unit students will be introduced to theories of creativity and will investigate the nature of creative culture and practice. The unit will provide students with opportunities to analyse creative applications, ideas and concepts in a range of industries.

Credit points: 12 **Contact hours:** 4 hours per week
Campus: Kelvin Grove

QCF211 Tertiary Preparation Studies 2

This unit further develops the skills initiated in Tertiary Preparation Studies 1: Australian government, law; foreign policy and trade; preparation and presentation of both oral and written material.

Prerequisite(s): QCF111 or equivalent studies **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

QCF212 Academic English 2

This unit contributes to the ongoing development of academic capabilities, effective communication in a variety of contexts and modes and critical, creative and analytical thinking. The unit specifically develops skills in listening, reading, analysing, summarising and paraphrasing, spoken and written material from a range of sources.

Prerequisite(s): QCF112 or equivalent studies **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin

Grove

QCF220 Accounting 2

This unit examines various accounting sub-systems such as: 10-column worksheets; control accounts and subsidiary ledgers; inventory and fixed asset systems; accounting for credit transactions; budgeting; and financial analysis techniques useful for management.

Prerequisite(s): QCF120 or equivalent studies **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

QCF221 Economics 2

This unit introduces students to the study of macroeconomics. Topics include the five-sector model, the trade cycle, inflation and unemployment, government policy, and the external sector.

Prerequisite(s): QCF121 or equivalent studies **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

QCF230 Information Processing

This unit introduces students to a range of problem-solving techniques and shows how these can be used to solve various problems using an object-oriented programming language; the foundation of relational databases in terms of storing, altering and retrieving information, using SQL for its implementation; a basis for the specification and implementation of information systems using relational algebra.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

QCF252 Life Science

This unit examines the themes of life, macromolecules, metabolism, cell structure, cell processes, biological diversity, plant and animal physiology. The unit emphasises practical skills both in the laboratory and in the field.

Prerequisite(s): QCF153 or equivalent studies **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

QCF254 Physics

This unit introduces students to mechanics, sound, light, electricity; magnetism; electronics and nuclear physics. Relevance to real world activities is stressed by discussing the various applications of concepts learned.

Prerequisite(s): Physical Sciences 1 **Credit points:** 12 **Contact hours:** 5 **Campus:** Kelvin Grove

QCF255 Chemistry

This unit prepares students for tertiary study in the applied sciences and provides a solid foundation in basic chemistry and experimental techniques; elements, atoms and ions, modern atomic theory; chemical bonding; inorganic compounds; chemical reactions and energy; water and solutions; gases; acids and bases; oxidation-reduction reactions and electrochemistry; reaction rates and chemical equilibrium and introductory organic chemistry.

Prerequisite(s): Physical Sciences 1 **Credit points:** 12 **Contact hours:** 5 **Campus:** Kelvin Grove

QCF256 Mathematics A2

This unit focuses on basic algebra; introduction to trigonometry; normal distribution; hypothesis testing; contingency tables; regression analysis; binomial distribution; inferential statistics; earning money; interest; annuities and t-Distribution.

Prerequisite(s): QCF156 or equivalent studies **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

QCF257 Mathematics B2

This unit focuses on rate of change; the derivative; stationary points; curve sketching; optimisation; integration; probability distribution; the binomial distribution; normal distribution; hypothesis testing; dispersion, graphical display.

Prerequisite(s): QCF157 or equivalent studies **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

QCF260 Professional Studies

This unit is designed to expand your understanding of creativity and to provide you with experience in using problem solving tools and models in a range of situations. The unit develops skills in working in groups and reflection that are applicable to any field of study or faculty. Undertaking a project provides a practical opportunity for using creative processes and problem solving techniques.

Credit points: 12 **Contact hours:** 4 hours per week **Campus:** Kelvin Grove

QCF270 International Perspectives

This unit is designed to introduce students to a range of matters including economic, social, cultural, political and environmental, which impact on students as an individual and as a global citizen. It is intended to develop students ability to consider these matters in an analytical and informed way and to develop an action research learning approach to a broad range of international perspectives.

Credit points: 12 **Contact hours:** 4 hours per week **Campus:** Kelvin Grove

SCB110 Science Concepts and Global Systems

You will undertake interdisciplinary study of the physical, geological and biological concepts relating to the origins of life; from the creation of matter and planets, to the emergence of life in all its complexity, culminating in evolution of earth ecosystems. Human influences, overlaid upon earth's complex systems, will be examined as to their type, extent, and impact. In counterpoint, you will explore the breadth of philosophical

developments underlying our search for knowledge; fundamental thoughts and ideas that span the last 2,500 years of human history. Ultimately, these concepts evolved through the development of a scientific method and we explore its workings in relation to the ongoing enterprise of human understanding.

Credit points: 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point

SCB111 Chemistry 1

This unit covers the fundamentals of general and physical chemistry. Topics include atomic and molecular structure,

introduction to chemical bonding, reaction stoichiometry, thermochemistry, gas phase chemistry, reaction kinetics, equilibrium, acids, bases, buffers, oxidation, reduction and electrochemistry. The practical program involves experiments illustrating a range of chemical reaction types including precipitation reactions, acid-base chemistry and redox chemistry using analytical experimental methods. A comprehensive tutorial program (CHELP) complements the lectures and is designed to assist students to develop the problem solving skills required for further study in chemistry and related sciences.

Credit points: 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point and Carseldine

SCB112 Cellular Basis of Life

A study of life processes in all five groups of living organisms (bacteria, protists, fungi, plants and animals). Traditional topics in biology are integrated with recent research advances in molecular and cellular biology to provide a comprehensive foundation for later units in the medical, biotechnological and ecological sciences. The unit begins by constructing cells from the four quantitatively important groups of biological molecules (proteins, lipids, carbohydrates and nucleic acids). Molecular and evolutionary aspects of genetics are then introduced, with the great diversity of reproductive strategies found among organisms being emphasised. Finally, bioenergetics (photosynthesis and respiration) and its relevance to environmental issues is outlined.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

SCB113 Chemistry for Health and Medical Science

A challenging chemistry unit designed for students undertaking health and/or medical science degrees. A range of topics from sub-discipline areas of general, physical and organic chemistry are covered. General/physical chemistry content includes atomic and molecular structure, electronic structure, bonding, molecular geometry, stoichiometry, thermochemistry, gases, kinetics, equilibrium, acids, bases, buffers, and electrochemistry. Organic chemistry content includes functional group chemistry, reaction mechanisms, stereochemistry, chirality as well as topics of biological significance including the chemistry of peptides, sugars and DNA. The unit is complemented by a practical program involving a range of experiments illustrating important chemical concepts.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB120 Plant and Animal Physiology

Regardless of which area of biology you decide to specialise in, you will need to understand the complex interactions between cells, tissues, organs and organ systems that comprise multi-cellular organisms. Although many living processes can be explained at the levels of biochemistry, biophysics and cell biology, a true understanding of complex, multicellular organisms requires integration of knowledge drawn from all of these areas, combined with the more complex physiological and structural levels you will learn about in this unit. The knowledge gained in this and other first level units provides you with the conceptual framework necessary to understand

processes occurring from the cellular to the whole organism level and to higher levels of organisation.

Corequisite(s): SCB112 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point
Incompatible with: NRB270

SCB121 Chemistry 2

Chemistry is the central science. This is a unit of fundamental importance as it covers the background and general principles that underpin understanding in many Science and Health related disciplines, particularly in regards to the chemistry of life. In this unit students will be introduced to fundamental aspects of chemistry including the electronic structure of atoms, chemical bonding and molecular structure. From this basis students will develop an understanding of the fundamentals of organic chemistry including chirality, functional groups and organic reactions which will lead to important bio-inorganic molecules and coordination complexes.

Credit points: 12 **Contact hours:** 4.5 per week
Campus: Gardens Point **Incompatible with:** PCB242

SCB122 Cell and Molecular Biology

SCB122 Cell and Molecular Biology 1 equips students with a comprehensive understanding the molecular basis of the cell. This unit expands on the basic principles and concepts relating to cell structure, function, perpetuation and specialisation introduced in SCB112 and introduces students to fundamental molecular mechanisms central to the organisation of the cell. Students will be shown how macromolecular interactions are crucial to information flow and heredity. Students are taught the relationships between chromosomes, genes and cellular function and ultimately how these may determine an organism's phenotype. This unit underpins cell biology and molecular biology units that are offered in second year Life Science units. SCB122 is also ideal for interfaculty students (eg Education, Business, Arts) who will undertake no further life science studies.

Corequisite(s): SCB112 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point
Incompatible with: LSB238

SCB123 Physical Science Applications

Physics principles underpin all of the sciences and 'new technologies'. This unit adopts an investigative team-based approach to provide students with an appreciation of fundamental concepts in physical science, together with experience in the application of these concepts to a range of 'real world' problems. The unit should be taken in the first year of study as the fundamental principles introduced here will be built upon in later units in the context of each science student's major discipline area. Employers in cutting-edge industries expect science graduates to have effective strategies for problem solving, skills for collaborative work and scientific communication and research skills. This unit aims to develop these skills by applying the fundamental concepts of physical science to problems in a team environment.

Credit points: 12 **Contact hours:** 4.5 per week
Campus: Gardens Point **Incompatible with:** PCB101

SCB131 Experimental Chemistry

A study of chemistry and related disciplines such as medical science, biochemistry, molecular biology and pharmacy requires the development of practical laboratory skills used in synthesis and chemical analysis. This unit is a laboratory-based unit which is designed for students who intend to continue with experimental science units. The lectures complement the weekly practical sessions and teach the theory required to interpret experimental results.

Prerequisite(s): SCB111 or SCB113 **Corequisite(s):** SCB121 (unless SCB113 has been completed) **Credit points:** 12 **Campus:** Gardens Point

SCB208 Introduction to Pharmacy Practice

This introductory unit will provide an overview of the activities of a community pharmacy, including the processing of prescriptions, complementary medicine products and other front of shop merchandise. Topics cover foundation practical knowledge and skills (needed for professional placements in later units) together with retailing skills such as merchandising, stock control and computerised point of sales systems.

Prerequisite(s): PYB007 Interpersonal Processes and Skills **Credit points:** 12 **Contact hours:** 5 hours per week **Campus:** Gardens Point

SCB222 Exploration of the Universe

This unit provides an introduction to optical observational astronomy; instrumentation; celestial sphere and astronomical coordinates; observations of constellations, stars, planets, clusters and other interesting celestial objects. The theory includes: optics of telescopes; properties of light; determination of physical properties of stars; nebulae; stellar spectra and classification; historical models of the solar system; Kepler's law, gravitation; physical geology of the planets and formation of the solar system; phenomena of astronomical origin; brief introduction to stars and galaxies. This course includes practical exercises and field trips.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB301 Science for Dean's Scholars

The content of this unit is offered through a series of approximately six modules, of which students are required to complete three. The range of modules, together with the selection required, ensures that students have a broad foundation for advanced studies. The modules offered include Life Sciences, Chemistry, Physics, Mathematics, Statistics and Environmental Science.

Prerequisite(s): A Years 11-12 exit assessment + admission to the Dean's Scholars Program **Credit points:** 24 **Contact hours:** 20 per week (for five weeks)
Campus: Gardens Point

SCB303 Tutorial Program for Dean's Scholars

The content of this unit is designed in a consultative process involving the student, the academic mentor, and the Dean. The unit aims to allow the study of topics and concepts in science that will support the student's progress in initial studies in advanced level units.

Prerequisite(s): SCB301 **Credit points:** 12 **Campus:** Gardens Point

SCB308 Pharmacy Practice 1

A principle role of pharmacists is to dispense and provide advice on the use of large range over the counter (OTC) medications. This unit will provide knowledge on the therapeutic use and regulatory requirements of OTC medications and reinforce the communication skills that are necessary to effectively counsel patients on their proper use and the possible incidence and presentation of adverse effects. An introduction to nutrition and diet will also be provided by the Health Faculty. Experiential placements will also commence during this unit. Additionally, this unit will facilitate the mastery in the proper use of a wide range of basic pharmaceutical calculations which are imperative for the correct determination and validation of prescribed doses of drugs.

Prerequisite(s): SCB208 **Corequisite(s):** SCB338

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB338 Pharmaceutical Chemistry and Pharmacology 1

Pharmacists require a detailed understanding of the physiochemical properties of drugs and an appreciation of the process of Drug Discovery to facilitate an understanding of how the current range of medicines have been developed. This unit will also provide an understanding of the analytical chemistry techniques that are used to quantitate the active compounds in both pharmaceutical formulations and biological samples, and spectroscopic techniques used in structural elucidation of biologically active compounds. Additionally, this unit will introduce the discipline of pharmacology which examines the interaction of chemical substances with biological system which is fundamental to the understanding of the molecular actions of pharmaceutical products.

Prerequisite(s): SCB113, SCB131 and SCB122 (or PCB142, PCB242, LSB238) **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB384 Forensic Sciences - From Crime Scene to Court

This unit provides an introduction to two fundamental areas in forensic science, crime scenes and justice. Mock crime scenes involving real life scenarios are used to provide hands-on training on crime scene management and examination protocols. The principles for forensic examination of crime scenes involving fire, explosion, murder, etc, are introduced through lectures, workshops and practical exercises. Also an overview of the techniques used in forensic photography, fingerprinting as well as Legal procedures at court is presented. This unit is provided by professional forensic practitioners with practical real life experience being transferred to new generations. This head start provides a unique advantage for a strong career in forensics.

Credit points: 12 **Contact hours:** 4.5 per week
Campus: Gardens Point

SCB401 Research Methods for Dean's Scholars

This unit includes a literature review, experimental design, research proposal formulation and writing, and presentation of a research proposal.

Prerequisite(s): SCB301 **Credit points:** 12 **Contact**

hours: Arranged by academic mentor **Campus:** Gardens Point

SCB408 Pharmacy Practice 2

This unit extends the students knowledge of pharmacy practice in the areas of dispensing and counselling of both OTC and scheduled drugs used in the treatment of cardiovascular, respiratory, renal and GI Tract complaints. Students will be introduced to concepts such as non-compliance of patients, problem identification and effective strategies to overcome these obstacles to health management through patient communication. Practical experience will be gained by the students via experimental placements in a community pharmacy environment. Additionally, this unit will extend the students mastery of the proper use of a wide range of advanced pharmaceutical calculations.

Prerequisite(s): SCB308 **Corequisite(s):** SCB438

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB428 Pharmacokinetics

This unit is designed to extend the knowledge of physiochemical properties of drugs and how they relate to pharmacokinetic factors which determine the behaviour of drugs following administration. This unit will develop an understanding of how the chemical properties of drugs relate to absorption, distribution metabolism and excretion. This knowledge is essential in understanding the dosing regimen for drugs and their pharmacokinetic parameters in individual patients. Additionally, generic formulations and product substitution will be explored on the basis of the TGA bioequivalence requirements for the products and provide the students to counsel patients on the suitability of generic brands of pharmaceutical formulations.

Prerequisite(s): SCB338, MAB141 **Credit points:** 12
Contact hours: 5 per week **Campus:** Gardens Point

SCB438 Medicinal Chemistry and Pharmacology 2

A detailed knowledge of medicinal chemistry and pharmacology is essential for the understanding of actions of drugs with endogenous molecular targets. This unit continues to develop the basic principles developed in SCB338 and introduces the concept of structure activity relationships (SARs) which demonstrates the linkage between the chemical structure of drugs and their biological activity and selectivity. The medicinal chemistry of a number of major drug classes are examined in detail, including adrenergic, cholinergic, serotonergic and antihypertensive drugs. This unit also provides an extension of this knowledge in pharmacology and focuses on the drug classes that act on the cardiovascular, respiratory, eye, renal, gastrointestinal systems.

Prerequisite(s): SCB338 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB500 Industry Project

In this unit students will apply scientific methods and quantitative techniques to real work issues. Students will develop an appropriate plan for analysing and resolving an industry issue under the guidance of both a QUT supervisor and an associate supervisor from an industry partner. At the end of the unit students will present both an oral seminar

and a written report.

Prerequisite(s): 84 Credit Points of Level 2/3 Science units; minimum GPA 4.5; approval of unit coordinator is required to enrol in this unit **Credit points:** 12 **Contact hours:** 52 **Campus:** Gardens Point

SCB501-1 Research Project for Dean's Scholars

This unit includes an individually tailored research project carried out under the supervision of a research mentor.

Prerequisite(s): SCB401 (excluding Maths and Physics majors) **Credit points:** 12 **Contact hours:** (Individual research project) **Campus:** Gardens Point

SCB501-2 Research Project for Dean's Scholars

This unit includes an individually tailored research project carried out under the supervision of a research mentor.

Prerequisite(s): SCB401 (excluding Maths and Physics majors), SCB501-1 **Credit points:** 12 **Campus:** Gardens Point

SCB508 Pharmacy Practice 3

The dispensing and counselling of scheduled drugs requires expertise in drug knowledge, packaging and labelling, health regulations and legislation, communication techniques, compounding processes and the ability to understand and validate the diagnosis of clinical conditions. This unit will provide students with expertise to dispense and counsel patients on the therapeutic uses of pharmaceutical drugs that treat infections, endocrine disorders, cardiovascular disease and a range of drug withdrawal syndromes.

Prerequisite(s): SCB408 **Corequisite(s):** SCB538 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB528 Pharmaceutics 1

A detailed knowledge of the physical properties of pharmaceutical formulations is an essential attribute for pharmacists as it facilitates the understanding of the behaviour of drugs following administration. The formulation of drugs has a large influence on all aspects as the route of administration, the onset and duration of action and the pharmacokinetic parameters that govern the drugs activity in the human body. This course introduces the student to the discipline of pharmaceutics and develops knowledge with respect to the physical behaviour of excipients and compounds, separate from the biologically active drug, that are used in the manufacture of pharmaceutical products.

Prerequisite(s): SCB428 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB538 Pharmacology 3

A detailed knowledge of the pharmacology of drugs is essential for pharmacists to understand the therapeutic applications of pharmaceutical compounds and their concomitant adverse effects. This unit provides an extension of this knowledge and covers the drug classes that act on the central nervous system, endocrine system, anticancer drugs, drugs of abuse and pharmacotherapies for withdrawal syndromes.

Prerequisite(s): SCB438 **Credit points:** 12 **Contact**

hours: 5 per week **Campus:** Gardens Point

SCB608 Pharmacy Practice 4

The dispensing of schedule drugs to the community requires expertise in drug knowledge, packaging, labelling and health regulations, communication techniques, compounding processes and the ability to understand and validate the diagnosis of clinical conditions. This unit will provide students with expertise to dispense pharmaceutical drugs that are used in the treatment of infectious diseases and the treatment of tumours and malignancies.

Prerequisite(s): SCB508 **Corequisite(s):** SCB648 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB628 Pharmaceutics 2

This unit is designed to extend the knowledge base of pharmacy students in the discipline of pharmaceutics which is essential to their understanding of pharmaceutical product formulation. This unit will focus on solid dosage form design including tablets and capsules and the theory and practical aspects of controlled release formulations which are increasingly utilised in modern pharmaceutical formulations. Additionally, this unit will extend the student's expertise in the science of compounding of advanced pharmaceutical formulations.

Prerequisite(s): SCB528 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB638 Pharmacogenomics and Drug Metabolism

The effects of drugs in patients are determined in part by drug metabolizing enzymes. In addition, the ability of an enzyme to metabolize a drug is determined by genetic variability. A detailed understanding of these factors is necessary for pharmacists to understand drug selection, the biological fate of a drug following administration, the appropriate route of administration, the occurrence of adverse effects and the final effect of a drug. This unit will describe the biochemistry of drug metabolism and genetic factors (pharmacogenomics) that affect drug metabolism and variability of drug effects. The field of pharmacogenomics, is becoming increasingly important for understanding the contribution of the patient's genetic composition to drug effects.

Prerequisite(s): SCB538 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB648 Pharmacotherapeutics 1

The dispensing and counselling of pharmacotherapies for infectious diseases requires an advanced knowledge, understanding and skills relevant to infectious disease diagnosis, the mechanism of action of pharmacotherapies, public health microbiology. This unit will demonstrate the correct therapeutic use of drugs in the treatment of infectious diseases following a review of their pathophysiologic basis. Additionally, quality use of medicines issues for these pharmacotherapies will be reviewed and reinforced by the use of clinical scenarios.

Prerequisite(s): LSB328 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB708 Pharmacy Practice 5

The pharmacy practice units in the 4th year of the B Pharmacy course will provide both advanced and updated information on the dispensing and counselling of drugs using case based clinical scenarios. Additionally, students will be provided with information that will allow them to critically evaluate clinical trial design using studies of newly released drugs as a reference and the role of regulatory authorities during the process of drug approval. Through a series of case based problems and scenarios that will involve a diverse range of diseases and disorders, the students will gain experience in the skills required to dispense medication and effectively communicate drug knowledge to patients.

Prerequisite(s): SCB608, SCB648 **Corequisite(s):** SCB758, SCB768 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB748 Pharmacotherapeutics 2

A number of factors must be considered before a decision concerning the appropriate drug is prescribed and dispensed to patients. This unit will provide a pathophysiological approach to the identification of cardiovascular, respiratory, renal, and endocrine disorders. Students will be instructed on the factors that determine the correct choice of therapeutic drug and the dosing regimen including drug toxicity, pharmacokinetics and pharmacodynamic consideration for the individual patient, drug-drug interactions and pharmacoeconomics considerations.

Prerequisite(s): SCB608 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB758 Pharmacy Management 1

In addition to their role as allied health care providers, pharmacists are often required to assist in the management of their workplace which consists of supervision and administration of a diverse staff roster, stock inventory and marketing strategies. Moreover, many pharmacists enter into complex partnerships agreements during the purchase of a pharmacy. This unit will provide the basic management tools in the areas of accounting, preparation of budgets and business plans, payroll and GST legislation, marketing, partnerships law, decision making and the use of financial software to effectively understand the information provided by support staff to make effective business decisions.

Prerequisite(s): SCB608 **Corequisite(s):** SCB708, SCB768 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB768 Professional Placements 1

The role of a contemporary pharmacist in providing healthcare products and advice consists of diverse range of skills and abilities in the preparation of pharmaceutical preparations, the dispensing of medications, counselling of patients and their families in their correct use and performing medication reviews. To assist students in developing expertise in these areas, this unit will provide real world experience through a long-term continuous placement in a community or hospital environment under the supervision of qualified preceptor. These placements will consist of a five (5) week block that will commence in the second half of the semester and assessment will consist of the documented completion of a assignments and

experiential log book.

Prerequisite(s): SCB608 **Corequisite(s):** SCB708, SCB758 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB808 Pharmacy Practice 6

The pharmacy practice units in the fourth year of the Bachelor of Pharmacy course will provide both advanced and updated information on the dispensing and counselling of drugs using case based clinical scenarios. Through a series of case based problems and scenarios that will involve a diverse range of diseases and disorders and aspects of pharmaceutical care, the students will gain experience in the skills required to dispense medication and effectively communicate drug knowledge to patients, and an understanding of the provision of primary health care in the Australian Health system.

Prerequisite(s): SCB708, SCB768 **Corequisite(s):** SCB858, SCB868 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB848 Pharmacotherapeutics 3

A number of factors must be considered before a decision concerning the appropriate drug is prescribed and dispensed to patients. This unit will provide a pathophysiological approach to the identification of neurological, mental health and oncological disorders and diseases that affect the eye, ear and skin. Students will be instructed on the factors that determine the correct choice of therapeutic drug and the dosing regimen including drug toxicity, pharmacokinetics and pharmacodynamic consideration for the individual patient, drug-drug interactions and pharmacoeconomics considerations.

Prerequisite(s): SCB748 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB858 Pharmacy Management 2

This unit extends the knowledge of pharmacy students in areas of accounting and finance, management, HR and health care policy in relation to the management of a pharmacy business.

Prerequisite(s): SCB758 **Corequisite(s):** SCB808, SCB868 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SCB868 Professional Placements 2

This unit is designed to extend the students experiential skills in working in either a community or hospital pharmacy environment. The design and timetabling of the unit is similar to SCB768 Professional Placements 1, but the emphasis will focus on the dispensing and counselling and QUMs of further drug classes and the management skills will be aligned with SCB858 Pharmacy Management 2. These placements will consist of a five (5) week block consisting of four working days that will commence in the second half of the semester and assessment will consist of the assignments and submission of a experiential log book.

Prerequisite(s): SCB708, SCB768 **Corequisite(s):** SCB808, SCB858 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

SPB003 Teaching Children with Disabilities

This unit provides an introduction to a wide range of low incidence exceptionalities (for example sensory impairments, developmental delay and health impairments such as epilepsy, asthma and hepatitis, and so on). It also addresses methods of managing associated disabling conditions, the implementation and evaluation of programming, and the support and referral services.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

SPB004 Teaching Students with Learning Difficulties

This unit integrates a basic understanding and application of learning theory as it applies to exceptional populations. It focuses on approaches to teaching particular exceptional groups and 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, for example hearing impaired, visually impaired or physically handicapped; (d) behaviourally or emotionally disturbed students.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

SPB006 Educational Counselling

This unit includes the following: 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. The unit includes a compulsory study school for external students. It is incompatible with studies in Counselling or equivalent at Diploma of Teaching level.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

SPB008 Middle Years Students and Schools

This unit provides an understanding of the developmental needs and interests of young adolescents and reform initiatives being implemented by schools to address these issues. The unit analyses the work of agencies and major reports in the middle years of schooling and examines aspects of research focussing on reform in curriculum, pedagogy and the way schools are organised. The unit is one of four units forming a pathway into the middle years of schooling for primary and secondary teaching.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture

SPB012 Classroom and Behaviour Management

This unit integrates concepts of behaviour development, management and discipline within a defensible pattern of classroom management and appropriate curricula processes.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

SPB018 Teaching Strategies

This unit includes: evaluation of the students' teaching strategies; the literature on teaching strategies; critical

evaluation of strategies/models of teaching available.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

SPB020 Classroom Assessment Practices

This unit includes: examination of the nature and purpose of assessment; traditional and contemporary developments in the assessment of students in a range of settings; test construction and validation; record keeping and reporting, with emphasis on practical applications by practising teachers.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Internet and Caboolture

SPB022 Middle Years Curriculum, Pedagogy and Assessment

This unit enables students to gain an appreciation of the middle school movement and how this has the potential to impact on the needs and interests of young adolescents. The focus is on a more integrated approach to curriculum, teaching strategies appropriate to middle schools and authentic assessment.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture

SPB036 Assessment: Using Educational Data

Monitoring individual development and designing appropriate intervention programs/units to meet individual needs is the work of all teachers. Thus, the unit provides opportunities for the educator to devise ways to monitor student development and to engage with current international, national and state developments that require systemic evaluation of all key learning areas.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

SPB038 Understanding Reading Difficulties

Credit points: 12

SPB100 Introduction to Adult Learning and Development

Educators and trainers play a significant role in assisting adults to learn and to facilitate the development of effective learning strategies and environments. To do this they must understand human development and the psychology of teaching and learning both generally and as it applies to adults. This unit explores seminal learning theories and the emerging differentiation of these theories to explain adult learning experiences in diverse and challenging organisational and community contexts.

Credit points: 12 **Campus:** Internet and Kelvin Grove

SPB101 Theorists in Adult Education

The unit introduces students to the broad field that constitutes adult education and the diversity of provision that is available to adults. Special attention is paid to the literature that enunciates the key concepts that are involved in this field of study. Within the corpus of adult education theory, there are many perspectives, models, relationships and principles that can be utilised in the formation and development of a personal philosophy of sound adult

education. Thus, important philosophies that have shaped adult education policy and practice are examined; so too are important theorists whose work continues to influence practitioners and researchers work in the area.

Prerequisite(s): EDB101, SPB102 **Credit points:** 12

Campus: Internet and Kelvin Grove

SPB102 Professional Communication in Adult Learning Contexts

In order to successfully complete the degree program and to operate in professional contexts, students need to develop competence in a range of professional communication and information literacy skills. They also need to understand the principles and conventions of acknowledgement and referencing of sources in order to maintain professional, academic and ethical standards. This unit is compulsory and must be undertaken in the first semester of the program.

Corequisite(s): EDB101 **Credit points:** 12 **Campus:** Internet and Kelvin Grove

SPB103 Program Design and Evaluation

This unit will explain the principles used to design learning experiences for adults, with special emphasis on the needs of the adult learner and the learning outcomes to be achieved. A variety of assessment methodologies (from objective testing to portfolios to self assessment) will be examined as will criteria for selecting and designing appropriate assessment tasks. Finally, the processes of the evaluation and reporting of costs and benefits of learning investments will be discussed.

Prerequisite(s): SPB100, SPB101 **Credit points:** 12

Campus: Internet, Kelvin Grove and External

SPB104 Research and Inquiry

To achieve life long learning and to survive in an ever changing world, students will need research skills. These research skills are also the basis of any needs analysis that should guide any design of a learning experience for adult learners. Accordingly, this unit will provide opportunities for practical application of quantitative and qualitative data gathering and analysis techniques. This unit will use experiential learning based on Kolb's (1984) learning cycle of plan, concrete experience, reflection and abstraction. The students will also experience three learning generation processes of externalisation, combination and internalisation (Nonaka and Takeuchi 1995).

Prerequisite(s): SPB100, SPB101 **Credit points:** 12

Campus: Internet and Kelvin Grove

SPB105 Politics of Diversity and Identity

In this unit, students will develop understandings of social and educational policy drivers nationally and internationally and their impact on diverse learners. Gender implications are also considered. Students will be expected to use these understandings to review and critique contemporary and historical practices in adult, organisational learning as they have been presented and discussed in this and previous units.

Prerequisite(s): SPB100, EDB102 **Credit points:** 12

Campus: Internet

SPB106 Managing Learning Organisations

In this Unit, students will develop understandings of social and educational policy drivers nationally and internationally and their impact on diverse learners. Gender implications are also considered. Students will be expected to use these understandings to review and critique contemporary and historical practices in adult, organisational learning as they have been presented and discussed in this and previous units.

Prerequisite(s): SPB103, SPB104 **Credit points:** 12

Campus: Internet and Kelvin Grove

SPB107 Knowledge Management

Knowledge capital is now recognised as one of the key assets of an organisation or community. Communities and organisations need to be able to manage this unique and valuable asset to ensure current and future viability. This unit will examine how knowledge is maintained, imported and created within an organisation or community. A parallel development, learning partnerships, is being supported by governments around the world as one possible answer to the increasing complexities, and growing disempowerment, of local communities. All types of organisations need to know how to manage their knowledge capital and how to operate within communities of practice.

Prerequisite(s): SPB105, SPB106 **Credit points:** 12

Campus: Internet and Kelvin Grove

SPB108 Career Development and Professional Futures

Graduates of this course require an understanding of the changing work context and the skills they need to possess to maintain position. They also need to be able to support the development of such understandings in the clients with whom they work. This unit aims to enable students to develop understandings of a range of relevant theoretical and conceptual frameworks from the fields of vocational and organisational psychology. They will critique their own professional learning during their study of the Bachelor of Adult Education and Training and develop a professional portfolio which demonstrates the range of professional attributes they have developed over the course of the program.

Prerequisite(s): EDB103 **Corequisite(s):** EDB104

Credit points: 12 **Campus:** Internet

SPB110 Contemporary Issues: Adult Education and Training

Adult education and training practices have emerged as a major consideration in Australia. Political policies such as the Queensland Skills Plan and the Australian Quality Framework have led to a greater appreciation of the diverse role adult education and training plays in areas that include; workforce development, economic growth and stability and globalisation. The emergence of contemporary issues associated with adult education and training necessitates understanding by professionals in the field. The eclectic nature of the unit content will provide students with a greater appreciation of current trends, influences, policies and practices that complement and impact upon adult education and training in contemporary Australia. Current influences include; technology and e-learning, the skills shortage, the

changing nature of work, workforce transitions, the ageing population, engagement and linkages with Registered Training Organisations and VET in Schools.

Credit points: 12

SPB111 Vocational Training Assessment

A major aspect of training and adult learning in any context is assessment. This unit provides students with an understanding of assessment process, terminology and application that can be used in training, workplace learning and other adult learning contexts. Adult learning, training and vocational development effectiveness is based on an appreciation of why it is important to assess, what constitutes assessment and processes for assessment.

Credit points: 12

SPB112 Leadership Capabilities in Training and Development

This unit is concerned with leadership which may be viewed as a characteristic of an individual or as a specific process for influencing others. The unit considers the contemporary role of leadership in addressing the demands and complexities of a challenging and changing training and development context. The unit will enhance students understanding of what leadership is, leadership roles and leadership challenges in this current training and development organizational climate affected by wider forces of globalization, change and performance imperatives.

Credit points: 12

SPN610 Advanced Educational Counselling

This unit provides students with an overview of major theories of counselling and to assist them in the development of a framework using one of these approaches that they may use as a basis for their counselling.

Prerequisite(s): SPB006 **Credit points:** 12 **Campus:** Kelvin Grove

SPN611 Educational Guidance Counselling: Professional Practice

This unit looks at: professional practices of educational counsellors working in the P-12 context; intervention, prevention, affective, and developmental programs; adolescent issues and career counselling; consultation models, theories and practices; self-management skills, time management, program evaluation, accountability and decision-making discussed.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

SPN612 Psychoeducational Assessment

In this unit students gain a broad understanding of the various types of assessment techniques and strategies used in the educational context to develop understandings and capacities that advance learners from basic competence in professional practice to confident and ethical leadership in learning innovation in school guidance and counselling.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

SPN618 Career Development and Professional Practice

This unit encourages learners to engage in lifelong learning and within the context of career development practice, lead innovations in the delivery of career development programs to a wide range of audience throughout the community.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet

SPN620 Career Counselling

This unit encourages learners to critically evaluate the perspectives to formulate a personal position with respect to their career counselling practice. Students have the opportunity to gain experience in the application of traditional and emerging career counselling processes, and to contribute to innovation in supporting the role of career counselling in a new career guidance context of career self-management.

Prerequisite(s): SPB006 OR SPN610 **Credit points:** 12

SPN625 Leadership Concepts, Theories and Issues

The overall aim of this unit is to enhance the leadership understanding and capabilities for both current leaders and those aspiring to such positions in organisations today and in the future. This aim is set in a broader understanding of notions of shared and multiple leadership concepts.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove

SPN626 Leading and Managing People

This unit enhances the understandings and capabilities of leaders and aspiring leaders to manage their organisation's human resources in rapidly changing and challenging contexts.

Prerequisite(s): Nil **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Incompatible with:** PRN630, PRN631, PRN632

SPN640 Developmental and Educational Assessment

This unit provides students with an opportunity for foundation study of principles and methods for assessing individual development and personal characteristics. Underlying this unit is the assumption that the purpose of assessment is to collect information that will be used to design interventions.

Prerequisite(s): Acceptance into the Master of Educational and Developmental Psychology Programme or permission from the Unit Coordinator **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

SPN641 Interventions in Educational and Developmental Psychology

This unit aims to equip students with a range of applied strategies for evidence-based prevention and intervention within educational and developmental contexts. Practical skills need to be founded on a deep conceptual understanding of the links between assessment and intervention.

Prerequisite(s): Acceptance into the Master of Educational and Developmental Psychology Programme or permission from the Unit Coordinator **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

SPN642 Learning Difficulties: Assessment and Intervention

The aim of the unit is to provide students with a sound knowledge of learning processes, and methods for assessing individuals with learning difficulties. It also introduces students to a variety of appropriate interventions for individuals with learning difficulties and associated impairments.

Prerequisite(s): SPN640 or permission from the Unit Coordinator **Corequisite(s):** Nil **Credit points:** 12
Campus: Kelvin Grove

SPN643 Developmental Processes and Disability

This unit aims to equip students with a sound framework on which to base their professional practice. Working effectively with individuals with a range of disabilities, their families, schools and communities requires knowledge about the ways in which development may be compromised by disability, and the ways in which contextual influences contribute to developmental outcomes.

Prerequisite(s): Acceptance into the Master of Educational and Developmental Psychology Programme or permission from the Unit Coordinator **Corequisite(s):** Nil **Credit points:** 12 **Campus:** Kelvin Grove

SPN644 Inclusive Education: Theory, Policy and Practice

Schools are a reflection of diversity within global and local education communities. An inclusive approach to education involves a critique of social values, priorities and the structures and institutions which they support. It involves the politics of recognition and is concerned with the serious issue of who is included and who is excluded within education and society generally.

Credit points: 12

SPN645 Leadership, Policy and Change in Action

The unit presents the theories and processes of educational change; organizational cultures and values and their influence on change; policy processes (development, implementation and evaluation); policy trends and change in educational contexts. The content around these topics will add to your understanding of the dynamics between leadership, culture and change, and the challenges for leaders. You will develop skills to make sense of and constructively respond to policies within organisational contexts.

Credit points: 12

SPN646 Strategic Management

Since 2000, there have been increasing demands from statutory bodies and other stakeholders for all organizations, whether schools, educational institutions, voluntary organizations, businesses or government departments, to be effective, efficient and transparently responsible. This unit will take a complex systems view using general systems theory, chaos theory and synergistics to analyse the processes educational organisations and other organisational settings use to maintain their strategic intent and to harness both continuous and discontinuous innovation.

Credit points: 12

SPN647 Understanding Reading and Writing Difficulties

While the understanding and application of learning theory is essential to the teaching of all students, there will always be some for whom specialised approaches are required in order to maximise their potential. Accordingly, it is vitally important for teachers to develop their knowledge and skills so that they can meet the needs of diverse literacy learners in a flexible, problem-solving manner using evidence-based approaches to instruction.

Credit points: 12

SPN648 School Guidance and Counselling Practicum

As well as developing a sound knowledge base, studying school guidance and counselling needs you to develop the skills to apply this knowledge in the practical setting of a school. In the Practicum, you will be given the opportunity to observe, participate in and critically evaluate a range of practice activities.

Credit points: 12 **Contact hours:** 200 **Campus:** Kelvin Grove

SPN649 Supporting Learners With Behavioural Difficulties in the Inclusive Classroom

Teachers' concerns about classroom management are intensified by the inclusion of students with additional needs. Behaviours associated with low engagement, learning difficulties, attention and activity disorders, autism spectrum disorders, and moderate to severe disabilities present major challenges for classroom teachers. Accordingly, sound knowledge of effective classroom management practices and the ability to work collaboratively with support personnel to plan and provide appropriate behaviour management programs are essential.

Credit points: 12

SPN650 Introduction To Autistic Spectrum Disorder

The aims of this unit are to assist you as classroom and specialist teachers, school counsellors and guidance officers to deepen your knowledge in the area of Autistic Spectrum Disorders and to develop your skills in identifying and supporting this group of students in an inclusive educational setting.

Credit points: 12 **Campus:** Kelvin Grove

SPN651 Introductory Educational Counselling

Perhaps the most potent message that can be extracted from many branches of applied psychology is that people of all ages yearn to be personally effective. Be they classroom teachers with discipline problems, failing students, or those who are dissatisfied in their work situation - unhappy people are seeking to satisfy unfulfilled hopes and aspirations. More importantly, perhaps, they seek happiness and a sense of being able to direct their own destinies. This unit focuses on issues and topics implicit in the above.

Credit points: 12 **Campus:** Kelvin Grove

SPN652 Managing Vocational Education Programs

The unit will enhance your understanding of practical management requirements for VET program development, implementation and meeting regulatory requirements. Also, appreciating the changes and development of VET, you will gain knowledge about implications of the change, change management and drawing on this knowledge to embrace innovation in VET.

Credit points: 12 **Campus:** Kelvin Grove

SPN653 Teaching, Learning and Assessing in Vocational Education and Training

Credit points: 12 **Campus:** Kelvin Grove

SPP400 Classroom and Behaviour Management

Credit points: 12 **Campus:** Kelvin Grove

SPP401 Classroom Assessment Practices

Credit points: 12 **Campus:** Kelvin Grove

UDB101 Stewardship of Land

This interdisciplinary unit will introduce students to the characteristics of land and land tenure with a focus on land use and property rights. The particular issues of native title, land contamination, heritage and alternative utility will be covered. Thereafter the property development process will be described in general terms and emphasis placed on the impact of environmental and social factors on the financial evaluation. The final component will cover the management of land, both urban and regional. Case studies will demonstrate the part that each discipline plays in the stewardship of land and its development.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB102 Applied Law

Introduces the fundamental principles and practices of Australian governance as they affect the built environment professions. The relevance of government policies, laws and regulations and aspects of Tort, Contract and Land and Environmental laws applicable to the Development and Construction processes are examined in context.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB104 Urban Development Economics

This unit will introduce microeconomic and macroeconomics concepts applied to urban and regional development. The unit will initially focus on demand, supply and determination of prices, and other important microeconomic concepts, at the level of an individual development. Here, the value of microeconomics in explaining aspects of development is demonstrated using local and national examples. In doing so, this unit will also help to deepen the appreciation of the key steps in development and the role of the main actors. Since anyone development project does not occur in a vacuum, the unit will then broaden to consider the impact of changes in the national and local economy on land use and development, including business cycle, monetary and fiscal policy.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB110 Residential Construction and Engineering

You learn to read plans and build a house by studying construction theory and legislation, visiting building sites, and sketching construction details. Focus on the four traditional methods of construction, brick veneer, cavity

brick, block and timber, evolution of building, Building Code of Australia and Australian Standards; methods of construction; foundation and footings; linings; claddings; windows; doors; joinery; staircases; roof coverings; balanced cut and fill; services; retaining walls; acoustic and fire safety requirements; specifications for residential construction; protection to the public during construction; temporary support and demolition of structures; energy efficiency design; building defects and failures.

Credit points: 12 **Contact hours:** 6 per week **Campus:** Gardens Point

UDB111 Engineering Construction Materials

Structural and non structural materials used in the construction process are examined focusing on the basic properties, construction applications, behaviour, strength, durability, suitability, and limitations. Material manufacture; acoustic and thermal properties; fire tests and fire hazard properties, issues such as cleaning, maintenance, corrosion protection, deterioration and ageing; Sustainable development; Material recycling, Storage on site, Installation processes; identification and causes of building defects and recommendations for potential remedies.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB112 Professional Studies 1

Assignment-based project orientated group work where you design and document a new dwelling preparing a full design of a single level brick-veneer type dwelling to a standard appropriate for building approval including architectural and structural design; construction materials; building services; statutory obligations and the building approval process; measuring and cost planning; contract administration; construction planning and site layout.

Prerequisite(s): UDB110 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

UDB113 Measurement 1

This unit introduces the scope of the role of the quantity surveyor working independently and for contractors. It examines the tendering process and the bill of quantities; the Australian standard method of measurement (rules, taking-off methodology, mensuration and formulae); measurement of various work sections (finishes, roofing, partitions, woodwork, metalwork, painting, doors, windows, glazing, hardware, suspended ceilings and masonry).

Prerequisite(s): UDB110 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB140 Property Valuation 1

This unit will be structured to assist student learning across three component areas: the market, the profession and the methods of valuation. This will be achieved through coverage of topics including: the character of the property market and market value; legal interests in property and property types; the valuation process; data collection; factors influencing value; report writing.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB141 Building Studies

You learn to read plans and build a house by studying construction theory and legislation, visiting building sites, and sketching construction details. Focus on the four traditional methods of construction, brick veneer, cavity brick, block and timber, evolution of building, Building Code of Australia and Australian Standards; methods of construction; foundation and footings; linings; claddings; windows; doors; joinery; staircases; roof coverings; balanced cut and fill; services; retaining walls; acoustic and fire safety requirements; specifications for residential construction; protection to the public during construction; temporary support and demolition of structures; energy efficiency design; building defects and failures.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB161 Introduction to Planning and Design

This unit introduces students to basic principles of planning and urban design. Students learn about urban design principles such as legibility, permeability, robustness and imageability of places. Students also investigate the planning issues facing cities and consider the complex problem-solving skills required to respond to these.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB162 History of Built Environment

This unit uses examples from the global development of human settlement to demonstrate the importance of interactions between the environment, society, and technology in shaping the built environment. Students will gain an appreciation of the important role played by history in forming the context for contemporary society, policy making, and design.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB163 Land Use Planning

The purpose of this unit is to examine the planning and management of public and private land. Unit topics include: different performance and prescriptive zoning methods; an overview of levels of planning agencies responsible for land use planning in Queensland; and the land development process and regulations that govern land use planning.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB164 Population and Urban Studies

This unit introduces the students to the demographic, economic, social and physical aspects of our cities to help understand the nature of cities we live in. The topics covered include: demographic and economic changes in cities, theoretical models of cities, issues such as social diversity, gentrification, masterplanned communities, and public spaces in cities.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB181 Geospatial Positioning and GPS

This unit will introduce students to skills and knowledge of spatial referencing, site measurement; use of maps and air photos. It will include introduction to map projections; concepts and theory of Global Positioning Systems;

introduction to global and local coordinate systems; mission planning and data collection. The unit will highlight the importance of geospatial positioning applications in society.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB182 Surveying

This unit provides a foundation in field instrumentation and survey computations; a framework for acquisition of a high level of knowledge and practical competence in plane survey computations; use of optical and electronic theodolites; EDM and total electronic station systems, and a focus on collection/presentation of pre-design contour and detail spatial information.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point

UDB202 Business Skills

This unit focuses on career preparation with a business orientation. Current popular business tools are assembled and critiqued. A sequential approach is used starting with characteristics of the Resume, business protocol and ethics, the business plan, assessing business risk and Professional Liability.

Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point

UDB210 Commercial Construction and Engineering

The aim of this unit is to provide you with extensive theoretical knowledge to manage and supervise the construction of (1) low rise residential apartment buildings (2) commercial buildings i.e. shops, offices; and (3) industrial buildings. Focus on legislative requirements; on-site inspections; site management techniques; temporary works & construction plant requirements, labour; In-ground construction; External treatments (cladding); formwork; bracing and stability; services co-ordination; Landscaping; . Environmental, building defects, disabled access; universal design; load-bearing masonry; services co-ordination; internal fit-out; tilt panel construction; portal/steel frames.

Prerequisite(s): UDB110 **Credit points:** 12 **Contact hours:** 5 **Campus:** Gardens Point

UDB211 Introductory Structural Engineering

Structural engineering analysis examining structural principles, structural action, load paths and equilibrium. Structural characteristics are examined through first principles including tension, compression, bending and shear forces. Quantitative, qualitative techniques and approximate methods are used as well as the use of computer software in structural analysis.

Prerequisite(s): UDB111 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

UDB212 Measurement 2

Measurement is a core skill among building professionals. This skill is particularly important in relation to the production of quantified documents for the purposes of tendering and estimating. This unit covers the following: measurement of various work sections (concrete, formwork, reinforcement, groundworks, underpinning, tanking, structural steelwork, exterior elements, and bored piers); and the development and application of builders' quantities.

Prerequisite(s): UDB113 **Credit points:** 12 **Contact hours:** 5 **Campus:** Gardens Point

UDB213 Construction Estimating

Estimating techniques to quantify cost; Fundamental elements of cost and methods of evaluating labour, materials and equipment to realistic levels of accuracy; Unit rate approach to assessing the base estimate for major trades; Assessment of offers from sub-contractors and implications for tendering with respect to risk, quality and ethical responsibilities; Functional estimating and the significance of method, time and assembly of information to estimating; Review of an estimate, determination of profit; letters of offer; Subsequent negotiations prior to award of a contract; application of estimating to variations and profit monitoring; Linking best value procurement assessment to outcome performance indicators (including tender evaluation criteria).

Prerequisite(s): UDB113 **Credit points:** 12 **Contact hours:** 5 **Campus:** Gardens Point

UDB214 Professional Studies 2

Assignment-based project orientated group work where you design and document a commercial development from a project management perspective considering constructability drawing on your skills in estimating; planning; scheduling; site organisation; environmental planning & sustainable urban development. Focus on special construction techniques; reuse of buildings and building materials; durability of materials, minimisation and disposal of construction waste; construction practice; planning and use of appropriate forms of construction for various building sizes and types; community negotiations; statutory responsibilities including access for people with a disability .

Prerequisite(s): UDB112, UDB210 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB215 Building Services Engineering

Fire Services: Fire detection, suppression and extinguishment; statutory requirements for maintenance of essential active fire services; Hydraulics Services: Building hydraulic services including water supply, fire protection and sanitary waste disposal systems. Mechanical Services: Air movement; Types of ventilation; Air-conditioning systems and heating; Installation procedures and the issue of confined spaces; Basis of design and effect of architectural style; Electrical Services: Transformers, sub-stations, switchboards, protection devices, lighting systems, stand-by generators, security systems; systems monitoring and energy management; vertical transportation systems. Energy Efficient Services: Examination of energy efficient design on services.

Credit points: 12 **Contact hours:** 5 **Campus:** Gardens Point

UDB216 The Environment and the Quantity Surveyor

This unit will involve professional quantity surveying including image and status, fees, codes of ethics, professional competence and continuing professional development. In terms of employment, professional engagement in the workplace will be covered including terms of engagement, professional indemnity insurance,

quality assurance and financial asset management. The work of quantity surveying takes place within a social and environmental context and this relates to the interactions between business and environmental interests including the natural environment, environment economics and ecologically sustainable development.

Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point

UDB240 Planning Theory and Processes

Topics covered will include. Introduction to the emergence of fundamental principles of urban planning control and regulation in Queensland. The statutory planning process and current Queensland legislation. Urban and regional planning on matters of equity and social responsibility. Types of planning controls. Detailed coverage of current development planning approval and appeals processes. Conservation and heritage protection and its impact on development and land.

Credit points: 12 **Contact hours:** 4 **Campus:** Gardens Point

UDB241 Property Law 1

This unit aims to introduce you to the fundamental concepts associated with property and property law as it impacts on your future role within the property industry.

Prerequisite(s): UDB102 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point

UDB242 Property Valuation 2

The unit builds on student's previous knowledge and skills developed through Principles of Valuation as well as legal and economic foundation units. The aim is to provide students with an array of knowledge and skills appropriate to a valuer of freehold investment class properties as well as terminable and other property rights and interests.

Prerequisite(s): UDB140 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB243 Property Economics

The unit will relate macro and micro economics to the broad property markets. It will consider the practical impact of supply and demand factors on the different market sectors. The nature and complexities of property cycles are covered with specific reference to commercial and industrial property in Australia.

Prerequisite(s): UDB104 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB244 Property Law 2

This unit covers: Principles of Torts Law, Principles of Contract law, Law of Agency, Corporate entities, Consumer protection law, Legislation relevant to property practice in Queensland.

Prerequisite(s): UDB102 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point

UDB245 Urban Land Studies

The aim of the unit is to take the students' fundamental knowledge of economic theory developed in earlier units and to apply that knowledge to the specific area of urban development. In particular we seek to develop in students an awareness of those economic imperatives which drive

and shape urban form.

Prerequisite(s): UDB243 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

UDB246 Property Feasibility Studies

Topics covered will be: the principles and strategies of investment; real estate as an investment medium; the real estate investment process; property ownership structures; feasibility analysis; detailed cash flow analysis involving NPV and IRR analysis; equity cash flow studies; sensitivity and probability analysis; risk analysis and risk management.

Prerequisite(s): UDB242 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point

UDB247 Property Valuation 3

Valuations for tax and taxation of capital gains; statutory rating purposes under relevant legislation including appeals procedure, compulsory acquisition. Assessment of compensation resulting from acquisition; resumption and damage. Evidence: the expert witness and professional liability and moot court experience.

Prerequisite(s): UDB241, UDB242 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point

UDB248 Community Titles Law and Practice

This unit addressed an evolving demand from the development industry for professionals capable of creating and managing increasingly complex, multilayered community title schemes created under specific legislation such as the Body Corporate and Community Management Act 1997. The aim of this unit is to introduce you to the theoretical concepts and practical application skills that will provide you with a basis for creating and managing complex community titles schemes successfully.

Contact hours: 3 per week **Campus:** Gardens Point

UDB265 Site Planning

The objective of this unit to assist students in learning and applying site planning theories and processes for a given site/areas within a city. The topics covered include: user stakeholder analysis, character analysis, site survey and site analysis, development of proposals.

Prerequisite(s): UDB161 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB266 Planning Processes and Consultations

Students learn how land uses are generated and can be planned. They study the logic, role and methods of successive stages of planning processes including aims, information analysis and synthesis, evaluation, strategy development, monitoring and review. They learn how to consult widely in the community and with other professionals to develop and apply flexible and widely relevant planning processes.

Prerequisite(s): UDB163, UDB164 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB267 Development Assessment and Infrastructure

The aim of this unit is to provide students with a grounding in the issues and skills related to the assessment of development applications and planning related to infrastructure. The unit will be conducted in two sections. The first will introduce students to the relevant legislation,

procedures, and techniques associated with development assessment. The second will give students an understanding of issues related to the provision and maintenance of technical and social infrastructure, with particular reference to the importance of sustainability and the emergence of new technology and systems.

Prerequisite(s): UDB163 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point

UDB281 Geographic Information Systems

This unit investigates the basic concepts of geographic information systems. Topics to be covered include components of GIS, spatial databases, data acquisition, reference frameworks, use of photographs and images, spatial analysis and graphic output design issues. The unit will highlight the importance of geographic information systems the unit will highlight the importance of geospatial positioning applications in society.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB282 Remote Sensing

This unit includes the following: history and principals of remote sensing; types of imagery, image interpretation, satellite systems; supervised and unsupervised image classification; interpretation, analysis and presentation of data; applications in the earth sciences.

Credit points: 12 **Contact hours:** 4 **Campus:** Gardens Point

UDB283 Surveying Computations

This unit includes the use of advanced scientific calculators and their application for geometric computations, solution of road and area problems, missing data closes, and simple curve problems. It offers solutions for more difficult problems including the three point problem, interrupted bases and various types of curve problems. It introduces spherical trigonometry, the solution of spherical triangles and the use of spherical trigonometry to determine position and direction on the Earth's surface from observation to astronomical objects. Practical exercises determine position and direction.

Prerequisite(s): MAB100, UDB182 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB284 Engineering Surveying

This unit includes: horizontal and vertical alignment for route surveys; areas, volumes and earthworks; surveying measurements and their assessment; propagation of variances; pre-analysis of survey tasks; least squares adjustment methods for various functional and stochastic models.

Prerequisite(s): MAB101, UDB182, UDB283 **Credit points:** 12 **Contact hours:** 5 **Campus:** Gardens Point

UDB285 Cadastral Surveying

This unit includes 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. It includes an analysis of reinstatement of property boundaries as applicable to Queensland; the undertaking of a field survey to reinstate the boundaries of a

section in the Brisbane Metropolitan area; preparation of cadastral and detail survey plans for survey actions; the legal aspects of re-instatement of boundaries; case law associated with re-instatement; statutory requirements that relate to the zoning and development of land.

Prerequisite(s): UDB182 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB301 Research Methods

Research Methods will introduce students to the range of methods and techniques that may be utilised in examining questions related to professional practice. A comprehensive overview of research methods will be provided in order that students are able to contribute to research as a part of their professional practice, and to enable them to critically analyse research findings and publications.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB302 Development Process

This unit will address the development process within the framework of a multi-disciplinary activity focusing on a practical exercise for the preparation and lodgement of a development application. This framework will expose students to the manner within which sustainable land development should occur. The unit relies on and brings together, within the practical exercise, the knowledge and skills-set exposed to students in earlier units dealing with stewardship of land, sustainability and economics. The focus on the practical exercise will demonstrate in context the multi-disciplinary range of social, economic and ecological issues that practicing land development professionals need to understand and apply to demonstrate the comparative benefits and likely success of a development proposal.

Prerequisite(s): 2 years of BUD **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB310 Highrise Construction and Engineering

Students learn how to construct a high rise structure from the basement to the roof. Focus on protection to the public during construction, temporary support; demolition; temporary services; deep excavation and foundations; retention and shoring systems; structural components; multilevel formwork; interaction of building components, systems and services; common building faults and failures and rectification; alternative forms of external cladding; waterproofing problems.

Prerequisite(s): UDB210 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

UDB311 Structural Engineering Design

Study and analysis of engineering components and systems, to develop a sound understanding of how a building achieves structural stability and equilibrium through its load paths. Content includes: Basic structural member design for tension, compression, bending and shear loads through detailed examination through the use of relevant Australian Standards as the basis for examination. Emphasis is on approximate or 'first order of magnitude' techniques suitable for estimating or checking purposes. Structural systems analysis; including trusses and retaining walls with a mix of qualitative and quantitative techniques.

Construction stability is examined in detail including cranes, shoring, scaffolding, and slings.

Prerequisite(s): UDB111, UDB211 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB312 Contract Administration

The administration of construction contracts represents one of the core applications for both construction managers and quantity surveyors. In order to appreciate some of the commercial implications of contract administration you will study administrative implications for both parties to the contract.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB313 Programming and Scheduling

This unit covers the following: Project time and resource planning techniques such as bar charts, critical path networks (precedence, time scales, and activity on arrows); Line of balance; Resource allocation and levelling; Schedule updates and progress control; Delays and claims analysis. Applications of computer-based project planning software will form an important part of the study in this unit.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB314 Statutory Construction Law

Commercial Law. Sale of goods; Hire purchase; Trade practices; Negotiable instruments; Insurance law; Partnership law and company law; Bankruptcy and liquidation; Arbitration (the agreement, appointment of an arbitrator; Conduct of an arbitrator; Powers and duties; Enforcement of an award, costs; Alternative dispute resolution. Building Law; Study of the Building Code of Australia and Building Regulations, which control the design, construction of building works; emphasis on all building law; a study of the Acts Interpretation Act, Town Planning Acts; etc.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point

UDB315 Measurement 3

Measurement is a core skill among building professionals. This skill is particularly important in relation to the production of quantified documents for the purposes of tendering and estimating. This unit covers measurement of building services (hydraulics, drainage, electrical and mechanical works).

Prerequisite(s): UDB212 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

UDB316 Cost Planning and Control

Interrelationship between construction industry and economy; Fundamental principles of cost management (design and construction cost planning and cost control); Nature and purpose of cost planning and cost control systems; Contract costing (historical accounting) and anticipatory (forecast final cost / value); Design economics, cost and value concepts, cost information systems, cost modelling, cost analyses, cost indices, cost data, cost implications of design variables; Life cycle costing and modelling including design knowledge in virtual environments; Value management, including energy

efficiency in buildings, and value alignment process for project delivery; Asset management and building maintenance; Risk management in cost planning and cost control.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB317 Professional Studies 3

UDB340 Agency Practice and Marketing

This unit will be formulated around the following content mode: Real Estate Agency management techniques required to operate a Real Estate Practice (multi-disciplined), the establishment and running of a sales division, the establishment and running of a Leasing Division, the establishment and running of a Property Management Division, maintaining quality procedures in the workplace.

Prerequisite(s): UDB241, UDB244 **Credit points:** 12

Campus: Gardens Point

UDB341 Property Finance

The aim of this unit is to assist you to develop your understanding of the nature and impact of loan finance on investment property and the place of property assets within the capital markets, relevant to subsequent employment in property as a graduate of property economics.

Prerequisite(s): UDB242 **Credit points:** 12 **Campus:**

Gardens Point

UDB342 Real Estate Accounting and Taxation

Property professionals need an understanding of accounts and accounting procedures for business management and sales and leasing purposes. The unit seeks to provide a basic level of understanding and competency to satisfy that need.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Incompatible with:** BSB110

UDB344 Property and Asset Management

Property and asset management forms an integral part of the property professional's skills base. It involves a variety of specific property related tasks which when performed expertly enhance the investment quality of property assets.

Prerequisite(s): UDB141, UDB241, UDB242, UDB244

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB368 Urban Design

This studio unit develops skills in urban design analysis and intervention through the transformation of urban design theory into policies and design proposals. Students are introduced to the production of urban design instruments (such as strategies and frameworks) and effective communication of desired urban design outcomes. Where possible, students participate in live projects, with inputs from industry, government and communities.

Prerequisite(s): UDB267 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB369 Negotiation and Conflict Resolution

This unit introduces planning students to the theory and practice of negotiation and conflict resolution. The aim is that students will develop their ability to change their perspective on conflict by seeing it as an inevitable and sometimes valuable part of planning. Students will learn to develop empathy for those they are in conflict with while also communicating their own needs assertively. Content includes key principles of conflict resolution, and practical mediation/negotiation techniques.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB370 Environmental Planning and Management

This unit provides an overview of methods and issues concerning the application of environmental planning and management. Topics focus on environmental impact assessment (EIA), adaptive management, bioregionalism and other models and methods of environmental management.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB381 Geospatial Mapping

This unit will provide the student with a sound knowledge and understanding of image mapping principles (including photogrammetry) and processes as well as practical skills and understanding required to collect spatial information and to produce fundamental mapping products. In addition this unit will provide the skills and knowledge of the principles and characteristics of cartographic communication, surface modelling techniques and digital mapping.

Prerequisite(s): UDB281, UDB282 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

UDB382 Photogrammetric Mapping

This unit builds upon the Geospatial Mapping unit to provide the student with developed knowledge and understanding of photogrammetric mapping theory and processes including spatial geometry, mathematics and aerotriangulation. The unit will also provide the student with an integrated knowledge and understanding of map production principles and practice applied to photogrammetric outputs.

Prerequisite(s): UDB381, UDB383 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

UDB383 Control Surveying and Analysis

This unit includes the following: reconnaissance for geodetic surveys (formulate mathematical models for the solution of linear and non-linear positioning in one, two and three dimensions); geodetic observations techniques and reduction of observations; the three classical methods of geodetic surveying (triangulation, trilateration and traversing); precise levelling including instrument testing; 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.

Prerequisite(s): MAB101, MAB730, UDB284 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

UDB384 Geodesy

This unit contains the following theory: concept and classification of geodesy, the basic concepts of Earth's gravity field, level surfaces and plumb lines, heights, geoid, mean sea level, spherical harmonics etc, fundamentals of satellite geodesy, reference coordinate systems. It considers GPS positioning models and algorithms, software, GPS field observing, various GPS applications in geomatics; mapping terms and definitions; the mapping problem; principles for deriving projections; the use of skew graticules; the UTM system.

Prerequisite(s): UDB381, UDB383 **Credit points:** 12
Contact hours: 5 per week **Campus:** Gardens Point

UDB385 Cadastral and Land Management

This unit introduces the student to the basic civil engineering design processes and procedures associated with the development of subdivided urban/rural land for residential, industrial or commercial purposes. The unit covers the following: subdivisional road design types, hierarchy, longitudinal and cross sections, earthworks; stormwater design, basic urban hydrology, catchment properties, rational formula, pipe/gully parameters, pipe and open channel flows; water reticulation system features; sewer reticulation system features and basic design procedures. Modern trends in the above (including sustainability considerations) together with the general construction procedures and basic costings are introduced.

Prerequisite(s): 192 credit points **Credit points:** 12
Campus: Gardens Point

UDB387 Spatial and Land Information Management

The spatial information science application areas of this unit include: application areas; resource management; urban and rural planning; cadastral administration; facilities management. System planning includes a system planning overview, functional requirements analysis, system evaluation and benchmarking. System implementation includes database creation, implementation issues, and implementation strategies. Other aspects include standards, legal issues, and knowledge-based techniques.

Prerequisite(s): 192 credit points **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

UDB388 Spatial Analysis Practice

This unit expands a student's knowledge in the field of spatial information science within the framework of a practical exercise focussing on advanced spatial analysis techniques. This approach facilitates exposure to and the incorporation of emerging processes of acquisition, validation, storage, extraction, analysis and presentation of spatial information. A geographic information system environment is utilised to provide a practical introduction to industry practices and client expectations. This unit will provide students with enhanced knowledge of the extent, theory and practice of spatial information science and an enhanced ability to define and solve problems associated with manipulation of spatial information systems to meet client expectations.

Prerequisite(s): UDB281, UDB381 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

UDB410 Construction Management

UDB410 is a capstone construction management unit bringing together all the skills you have learnt so far in your UD40 construction management course. Construction Managers require a strategic focus on site management, business and corporate responsibilities to manage time, cost, quality and safety on a construction project. UDB410 Construction Management is the last of a series of construction units UDB110, UDB210, UDB310 and consolidates skills students have learned throughout their degree to advance to a work-ready construction manager.

Credit points: 12 **Contact hours:** 4 **Campus:** Gardens Point

UDB420 Project Administration

Credit points: 12 **Campus:** Gardens Point

UDB471 Urban Planning Practice

Students develop skills of interpretation and problem solving to plan the development of a locality or suburb with a population of up to fifteen thousand. Consulting with local governments, communities and stakeholders, and working in supervised multi-disciplinary teams, they produce a real-world local area plans, integrating a wide range of housing, access, work, play, community, cultural and environmental concerns.

Prerequisite(s): UDB266 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB472 Community Planning

Students gain information on the many issues involved in community planning, including affordable housing, environmental quality and design, employment, human services, community access and culture. Combining this with knowledge and skills acquired earlier in the course, they learn to produce solutions and formulate policies which link government policy to local outcomes. This involves community involvement, consultation and conflict resolution.

Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point

UDB473 Planning Theory and Ethics

The application of theory to practice defines the essence of planning. The unit explores the historical and contemporary theories of planning; links the relationship of theory to practice; defines the role of ethics in planning practice; and aids the student in developing his or her own theoretical and ethical foundation for planning practice.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB474 Regional Planning Practice

Students develop and apply the knowledge of policy formulation and skills of analysis and synthesis imparted in Regional and Metropolitan Policy, to real world problem-solving at a scale which is larger than a single local government. This culminating practice unit concentrates on the broader regional and metropolitan scales to develop skills in strategic-level planning.

Prerequisite(s): UDB475 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point

UDB475 Regional and Metropolitan Policy

Students learn to focus and apply material from a wide range of disciplines and locations to understand and develop current regional and metropolitan policy. Issues of global, national and state regionalism, demography, economics, human services, central place theory, regional resource evaluation and public administration are related to work in the Regional Planning Practice unit.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDB483 Global Positioning Principles and Practice

This unit includes the following: GPS operation and navigation messages; GPS observable and error budget; differencing techniques; GPS positioning models and algorithms; software; GPS field observing; static, kinematic, RTK and various GPS applications in geomatics. It also includes a practical on the GPS network.

Prerequisite(s): UDB383, UDB384 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point

UDB484 Topographic, Hydrographic and Mining Surveying

This unit includes the following: field surveys for DTMs as-constructed surveys; associated specifications and standards; mining surveying for surface and below surface mining activities; Hydrographic surveying for exploration and port management.

Prerequisite(s): UDB383, UDB483 **Credit points:** 12

Contact hours: 5 **Campus:** Gardens Point

UDB485 Property Development Practice

This unit develops your knowledge and capability to engage in a professional manner with land and property development practice. Land development issues dealt with in preceding units are brought together in this final semester unit to prepare you to fulfil your professional role in the practice of land and property development. This unit will further develop the practical skills necessary for the preparation of lot reconfiguration plans suitable for sealing and registration with appropriate organizations.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDB486 Cadastral Practice

This unit includes the following: 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; information technology and land use controls; procedures of the various departments including but not confined to, the Department of Lands, Resources Industries.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point

UDN500 Ballast, Sleepers and Fasteners

As a rail civil engineer you will have responsibility for the permanent way and so needs to have a sound knowledge and clear understanding of the behaviour of the components of rail tracks. The ballast and sleepers on which the rails rest are critical in supporting the safe passage of trains at speed over the track. A large proportion of maintenance expenditure by track owners arises because of fouled or poorly drained ballast or from sleeper replacement. Delays in train schedules, track closures and even derailments can arise due to problems in the track below the rail. This unit is one of the first ones you will study in this course because it focuses on the foundations of an efficient and safe track asset network.

Credit points: 12 **Campus:** Gardens Point

UDN501 Rail and Related Track Structures

This unit continues the recognition of the need for you as a rail civil engineer to have a sound knowledge and clear understanding of the behaviour of the components of rail tracks. The rail is the immediate interface between train vehicle and the entire supporting system and therefore the most direct effect on enabling or inhibiting train operations. Aside from ballast and sleeper rectification described in UDN500, the costs of rail wear and grinding, eventual replacement of worn rail and rectification of track geometry make up the bulk of maintenance expenditure by the track owner. In conjunction with UDN500, this unit is located early in the course so that you will have been introduced to the nature of all the key elements of the track superstructure and of their important contributions to the operation of rail systems.

Credit points: 12 **Campus:** Gardens Point

UDN502 Track Stability, Design and Formation

Simply knowing about the components from which railway track is assembled will not enable you to understand and influence the complex interactions between each of those components. Design of railway tracks requires you to build on that component knowledge from UDN500 and UDN501 by considering how they influence each other and what limitations they have in carrying forces applied by operational or by environmental factors. The unit also provides some further foundation knowledge to enable you to understand the forces of interaction between the whole track and passing trains that will be explored later in UDN503.

Prerequisite(s): Assumed knowledge from UDN500, UDN501. **Credit points:** 12 **Campus:** Gardens Point

UDN503 Track Geometry and Train Interaction

The sole purpose of track is to support the safe and speedy passage of trains carrying passengers, minerals, freight, primary produce and so on. Although tracks can deteriorate due to environmental factors, the primary source of deterioration is the passage of trains. Operators want trains to carry larger and larger payloads at ever higher speeds, which induce increasingly large static and dynamic forces in the track. Those forces deteriorate the track which leads to a rougher ride for the trains, causing even higher dynamic forces down into the track and up into the vehicle. This unit is intended to provide you with an understanding of the interaction between track and trains, which builds on and

develops your knowledge of the track structure from UDN500, UDN501 and UDN502, explains aspects of vehicle design, and provides you a basis for appreciating how incidents such as derailments occur when you come to study UDN505.

Prerequisite(s): Assumed knowledge from UDN500, UDN501, UDN502. **Campus:** Gardens Point

UDN504 Track Construction, Civil Structures

There will be much more responsibility for you as a railway civil engineer than understanding and maintaining the track in the permanent way. Construction of new track and reconstruction of existing track must be able to be managed by you with insight and competence, requiring an appreciation of contracts and their administration, together with an ability to assess construction and geotechnical risks and specify appropriate construction processes. Furthermore, the rail corridor or right-of-way also has within it various structures that need management of their construction and of their maintenance. This unit addresses these issues and is located later in the course to enable you to gain a good grounding in track and train related matters in earlier units.

Prerequisite(s): Assumed knowledge from UDN500, UDN501. **Campus:** Gardens Point

UDN505 Assets, Environment and Safety

At the heart of your responsibilities as a railway civil engineer is management of the rail corridor to ensure safe, reliable, environmentally sound train operations through that corridor. Consequently you will need to use asset management tools competently to update and monitor the extent and quality of the assets under their control. You must also be able to assess and mitigate risks associated with activities within the corridor together with monitoring and controlling the environmental impact of those activities. But then, even in the best of circumstances, safety incidents can occur such as derailments of trains and rail crossing episodes, which need to be assessed and reported on. This unit helps develop your knowledge and abilities in these areas and is a companion to UDN504; both units are located near the end of your course to round out your professional skills in corridor management.

Prerequisite(s): Assumed knowledge from UDN504.

UDN510 Urban Planning Practice

As an Urban & Regional Planner, you need skills to understand, analyze, interpret and optimize urban activities and land uses. You require capacities to prepare integrated plans and strategies to solve problems and promote beneficial development. This will involve consultation with local governments, communities and stakeholders. This unit provides you with practical experience to develop and apply these skills of integrated urban planning.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDN512 Community Planning

Planners work with a wide range of communities and therefore need to understand and address an equally wide range of issues and concerns. Community planning offers an inclusive approach based on participatory processes that can match this comprehensive array of responsibilities.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDN514 Regional Planning Practice

As the culminating practice unit in the course, Regional Planning Practice focuses on regional and metropolitan scales to develop your capacities for larger scale, strategic-level planning. In doing so, the unit provides opportunities to further develop and apply wide-ranging skills of analysis, problem-solving and synthesis introduced and explored earlier in Planning Processes and Regional and Metropolitan Policy to real world situations.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDN516 Master Concepts and Ethics Seminar

This unit provides the integrating core to the Masters Program in Urban & Regional Planning. Discussions link professional practice to its wider contemporary contexts. In order to derive full benefit from your advanced studies as a Masters student, you will exchange views on ideas and practice with each other and with experienced practitioners and academics. The application of concepts to practice defines the essence of planning and provides important insights that enable the planner to respond to critiques from other disciplines or project partners. Concepts provide planners with opportunities for reflection and self-evaluation and justification for shaping their own roles in the profession. By helping you to understand the forces shaping the profession, they add depth to the practitioner and better enable the planner to contribute fully to the advancement of the profession.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDN551 History of the Built Environment

This unit uses examples from the global development of human settlement to demonstrate the importance of interactions between the environment, society, and technology in shaping the built environment. Students will gain an appreciation of the important role played by history in forming the context for contemporary society, policy making, and design.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDN552 Population and Urban Studies

This unit introduces the students to the demographic, economic, social and physical aspects of our cities to help understand the nature of cities we live in. The topics covered include: demographic and economic changes in cities, theoretical models of cities, issues such as social diversity, gentrification, masterplanned communities, and public spaces in cities.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDN553 Site Planning

The objective of this unit to assist students in learning and applying site planning theories and processes for a given site/areas within a city. The topics covered include: user stakeholder analysis, character analysis, site survey and site analysis, development of proposals.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDN554 Planning Processes and Consultations

Students learn how land uses are generated and can be planned. They study the logic, role and methods of successive stages of planning processes including aims, information analysis and synthesis, evaluation, strategy development, monitoring and review. They learn how to consult widely in the community and with other professionals to develop and apply flexible and widely relevant planning processes.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDN555 Development Assessment and Infrastructure

The aim of this unit is to provide students with a grounding in the issues and skills related to the assessment of development applications and planning related to infrastructure. The unit will be conducted in two sections. The first will introduce students to the relevant legislation, procedures, and techniques associated with development assessment. The second will give students an understanding of issues related to the provision and maintenance of technical and social infrastructure, with particular reference to the importance of sustainability and the emergence of new technology and systems.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDN556 Development Process

This unit will address the development process within the framework of a multi-disciplinary activity focusing on a practical exercise for the preparation and lodgement of a development application. This framework will expose students to the manner within which sustainable land development should occur. The unit relies on and brings together, within the practical exercise, the knowledge and skills-set exposed to students in earlier units dealing with stewardship of land, sustainability and economics. The focus on the practical exercise will demonstrate in context the multi-disciplinary range of social, economic and ecological issues that practicing land development professionals need to understand and apply to demonstrate the comparative benefits and likely success of a development proposal.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point

UDN557 Urban Design

This studio unit develops skills in urban design analysis and intervention through the transformation of urban design theory into policies and design proposals. Students are introduced to the production of urban design instruments (such as strategies and frameworks) and effective communication of desired urban design outcomes. Where possible, students participate in live projects, with inputs from industry, government and communities.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDN558 Regional and Metropolitan Policy

Students learn to focus and apply material from a wide range of disciplines and locations to understand and develop current regional and metropolitan policy. Issues of global, national and state regionalism, demography, economics, human services, central place theory, regional resource evaluation and public administration are related to work in the Regional Planning Practice unit.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDN572 Infrastructure Planning and Management

It is essential for professionals practicing in the field of infrastructure to understand what is infrastructure, the basic principles of infrastructure planning, condition assessment, monitoring of the condition of the asset, maintenance strategies, funds requirement, life cycle costing, annual budgeting for maintenance and rehabilitation, and prioritising maintenance strategies for optimum return on investment.

Credit points: 12 **Campus:** Gardens Point

UDN574 Water Resource and Waste Management

This unit will provide you with an in-depth understanding of the important issues in water and waste management within the urban environment and particularly the infrastructure management discipline. The management of water and waste are among the essential factors which influence the economic, social and environmental viability of urban areas. In most parts of the world including Australia, water is a limiting resource. The prudent management of the diverse water sources available, the provision of water 'fit for purpose' to meet human and ecosystem needs and the adoption of strategies for optimising of conveyance infrastructure is critical for the long-term sustainability of human settlements. The development and management of systems for the collection, transport and re-use and disposal of various waste streams forms an important activity to ensure the sustainability of urban areas.

Credit points: 12 **Campus:** Gardens Point

UDN576 Transportation Infrastructure

This unit has been developed to provide you with an in-depth understanding of the critical issues in the area of transportation infrastructure. The effective management of transportation infrastructure is essential for economic and social considerations. As expansion and development of transportation infrastructure continues to support a nation's economy, prudent management of transportation infrastructure to provide a desired level of serviceability are critical for the long-term sustainability of economic development.

Credit points: 12 **Campus:** Gardens Point

UDN590 Project Scope and Risk Management

This unit focuses upon the project management functions of controlling project scope and risk. Using the fundamentals of project management as a point of departure, the administration of scope and risk is integrated within the context of the project life cycle. Both the client and project delivery stakeholders' perspectives are explored. Scope Management is the foundation of a project. Developed on a clarified scope baseline, Risk Management safeguards the whole process, as well as the outcome of a project. Through

this unit, you will develop skills in outlining activities to be performed within a project, including procedures for information capture, storage, reporting and communication, and risk identification, response and treatment system.

Credit points: 12 **Campus:** Gardens Point

UDN592 Resource, Schedule and Performance Management

Resources and time are key performance targets during project management exercises. By undertaking this unit, you will develop skills necessary to manage project cost, schedule, and resources, and the ability to appreciate and apply methodologies for monitoring and evaluating project performance.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDN594 Procurement and Delivery Strategies

It is imperative that project managers have a comprehensive understanding of all of the critical elements within the procurement process. They also need to possess the necessary skills, knowledge and understanding to avoid disputes and minimize the risks of unsuccessful contract outcomes. This unit will cover these essential elements of project management.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

UDN596 Human Resource and Organisational Culture

In the management of projects, it is essential that human resources are effectively coordinated, managed and motivated to achieve the collective and individual outcomes critical for the success of the project. This unit introduces you to the skills necessary to manage these human resources as part of your overall project management approach.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point