
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

- Accountancy AY
- Acting and Technical Production KS
- Advertising Marketing & Public Relations AM
- Architecture, Interior & Industrial Design AD DA
- Arts AT
- Built Environment & Engineering BE BN
- Business BS CT
- Civil Engineering CE
- Communication Design KI
- Construction Management CN
- Creative Industries KK
- Creative Writing & Cultural Studies KW
- Cultural & Language Studies CL
- Dance KD
- Design DE
- Early Childhood EA
- Economics and Finance EF
- Education ED
- Electrical & Electronic Systems Engin'g EE EP
- Engineering EN
- Entertainment KX
- Fashion KF
- Film and Television Production KP
- General English QE
- Health HL
- Human Movement Studies HM
- Human Services HS
- Humanities and Social Science HH HU
- Industrial Design DN
- Information Technology IN IT
- Interfaculty Courses IF
- Interior Design DT
- International Business MI
- Journalism KJ
- Justice JS
- Landscape Design DL
- Law LW
- Learning and Development LE
- Learning and Professional Studies SP
- Legal Practice LP
- Life Science LQ LS
- Manag't & Human Resource Manag't MG
- Mathematical Sciences MA
- Maths, Science & Technology Education MD
- Mechanical, Manufact'g & Medical Engin'g ME
- Mechanical, Manufact'g & Medical Engin'g MM
- Media Communication KC
- Music KM
- Natural Resource Sciences NQ NR
- Nursing NS
- Optometry OP
- Physical Sciences PC PQ
- Planning, Landscape Architecture PS
- Professional Studies PR

- Psychology and Counselling PY
- Public Health PU
- QUT Graduate School of Business GS
- QUT International College QC
- Science SC
- Science and Technology ST
- Social Work SW
- Theatre Studies KT KR
- Urban Design DB
- Urban Development UD
- Visual Arts KV

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.

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 **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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 **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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 **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

AMB030 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.

Antirequisites: HHB050 and HUB450 **Equivalents:** HHB030 **Credit points:** 12 **Campus:** Gardens Point

AMB031 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.

Antirequisites: HHB051 and HUB453 **Equivalents:** HHB031 **Credit points:** 12 **Campus:** Gardens Point
Teaching period: 2011 SEM-1

AMB032 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.

Prerequisites: AMB031 or HHB031 or HUB453 or HHB051
Antirequisites: HHB052, HUB454 **Equivalents:** HHB032 **Credit points:** 12 **Campus:** Gardens Point
Teaching period: 2011 SEM-2

AMB033 Mandarin 3

This unit is designed to meet student needs to further develop their basic knowledge and skills for understanding, speaking, reading and writing Mandarin Chinese in a wide range of everyday situations. Eligible students are those who have: successfully completed introductory Mandarin units HHB031/AMB031 and HHB032/AMB032 at QUT; or successfully completed equivalent Mandarin study elsewhere. Graduates from high schools who have completed Year 12 Mandarin should also enrol in this unit. (Students who have undergone primary and secondary education in China and Taiwan are not eligible for this unit. Students who cannot speak Mandarin Chinese but can read and write Chinese script are not eligible either. They should enrol in AMB030 Mandarin for Chinese.)

Prerequisites: AMB032 or HHB032 **Equivalents:** HHB033 **Credit points:** 12 **Campus:** Gardens Point
Teaching period: 2011 SEM-1

AMB034 Mandarin 4

This unit follows on from AMB033. Students further develop their knowledge and skills needed to understand, speak, read and write Mandarin Chinese in a wide range of everyday situations and to give presentations on given topics. Resources include textbook, workbook, CDs, DVDs and online multimedia materials. Students learn about 400 Chinese characters and have further exposure to various aspects of Chinese society and culture.

Prerequisites: AMB033 or HHB033 **Equivalents:** HHB034 **Credit points:** 12 **Campus:** Gardens Point
Teaching period: 2011 SEM-2

AMB035 Mandarin 5

This unit develops students' communication skills in using Mandarin Chinese at the intermediate level. It provides students with opportunities to further practise and consolidate what they have learned in the previous units, and at the same time it expands students' knowledge and skills by engaging them in learning new contents and in participating in various types of communicative tasks. Students are exposed to a wide range of topics of interest to them about Chinese society and culture. Resources include textbook, workbook, CDs, DVDs and online multimedia programs.

Prerequisites: AMB034 or HHB034 **Credit points:** 12
Campus: Gardens Point

AMB036 Mandarin 6

This unit continues on from the first semester. It provides Mandarin language instruction and interaction at the intermediate level. It allows students to discuss various aspects of Chinese society and culture in relation to the society and culture they come from and familiar with. Resources include textbook, workbook, CDs, DVDs and online multimedia programs.

Prerequisites: AMB035 **Credit points:** 12 **Campus:** Gardens Point

AMB041 International Intensive Program

Equivalents: HHB056 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SUM

AMB042 International Summer School or Equivalent

Equivalents: HHB057 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SUM

AMB043 In-Country Study - A

This unit involves an approved course of study at a designated foreign institution for one semester.

Equivalents: HHB058 **Other requisites:** Subject to Unit Coordinator approval. Students are required to have completed (AMB031 or HHB031) and (AMB032 or HHB031), GPA of 4.5 or above and completion of 96 credit points of approved study. **Credit points:** 48 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

AMB044 In-Country Study - B

This unit involves an approved course of study at a designated foreign institution for one semester.

Prerequisites: AMB043 **Equivalents:** HHB059 **Credit points:** 48 **Campus:** Gardens Point

AMB120 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.

Equivalents: HHB001 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 6TP4 and 2011 SEM-2

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.

Prerequisites: BSB126 or CTB126 or BSB116 or BSB117 **Antirequisites:** MIB204 **Equivalents:** CTB200 AMX200 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: BSB126, CTB126, BSB116, or BSB117 **Antirequisites:** MIB305, MGB220, COB334 **Equivalents:** CTB201 AMX201 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Caboolture **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: BSB126 or CTB126 or BSB116 or BSB117 **Antirequisites:** COB207, MIB309 **Equivalents:** AMX202 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

AMB203 Independent Study

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

Antirequisites: COB206 **Other requisites:** Subject to Unit Coordinator Approval **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SUM

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.

Prerequisites: BSB119 or CTB119 **Antirequisites:** IBB312 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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

Prerequisites: BSB126, CTB126, PUB104, BSB116, or BSB117 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: BSB126 or CTB126 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

AMB208 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.

Prerequisites: BSB126 or CTB126 **Antirequisites:** MIB319 **Equivalents:** AMB354 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

AMB209 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 sociopolitical context in which marketing occurs and global trends

in travel are also explored for their marketing implications.

Prerequisites: BSB126 or CTB126 **Equivalents:** AMB351 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: BSB119 or CTB119 **Equivalents:** IBB210 AMX210 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: BSB126, CTB126, BSB116, or BSB117 **Antirequisites:** COB308 **Equivalents:** AMX220 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: BSB126, CTB126, or BSB112 **Antirequisites:** COB218 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: BSB126 **Antirequisites:** COB307
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

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.

Prerequisites: BSB126 or CTB126 **Equivalents:** CTB240 AMX240 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Caboolture
Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: BSB126, CTB126, or BSB116
Antirequisites: MIB230 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: BSB126, BSB116, or CTB126
Antirequisites: MIB227 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

AMB252 Business 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.

Prerequisites: BSB126 or CTB126 **Equivalents:** AMB352 **Credit points:** 12 **Campus:** Gardens Point

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.

Prerequisites: BSB126, CTB126, BSB116, or BSB117
Equivalents: AMB260 AMX263 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: BSB126, CTB126, BSB116, or BSB117
Antirequisites: AMB261, AMB262 **Equivalents:** AMX264
Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

AMB300 Independent Project 1

Other requisites: Subject to Unit Coordinator Approval
Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SUM

AMB301 Independent Project 2

Other requisites: Subject to Unit Coordinator Approval
Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SUM

AMB302 Project

Other requisites: Subject to Unit Coordinator Approval
Credit points: 24 **Campus:** Gardens Point **Teaching period:** 2011 SUM

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.

Prerequisites: AMB210, IBB210, AMB240, or CTB240

Equivalents: IBB303 AMX303 **Credit points:** 12

Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

AMB304 Logistics Operations

This unit is designed to provide strategic and practical knowledge of the role of logistics operations within the context of contemporary business. This unit extends the study of logistics and completes the logistics major offering.

Prerequisites: AMB210 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Other requisites: Subject to Unit Coordinator approval: Students are required to have completed a minimum of 192 credit points of approved study in advertising, marketing or public relations and a GPA of 4.0 or higher **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2 and 2011 SUM

AMB318 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.

Prerequisites: AMB220 or COB308 **Equivalents:** AMB221 AMX318 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

AMB319 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.

Prerequisites: AMB220 **Equivalents:** AMB222 AMX319

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: (AMB318 or AMB221) and (AMB319 or AMB222) **Equivalents:** AMX320 **Credit points:** 12

Contact hours: 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AMB318 or AMB221, and AMB319 or AMB222 **Equivalents:** AMX330 **Credit points:** 12

Contact hours: 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AMB202, AMB220, AMB240, CTB240, or AMB249 **Antirequisites:** COB315 **Credit points:** 12

Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2

AMB335 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.

Prerequisites: AMB240 or CTB240, and AMB201 or CTB201 **Equivalents:** AMB241 AMX335 **Credit points:** 12 **Campus:** Gardens Point and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

AMB336 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.

Prerequisites: AMB240, CTB240, AMB210, or IBB210
Equivalents: IBB213 AMX336 **Credit points:** 12
Campus: Gardens Point and Caboolture **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

AMB339 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.

Prerequisites: AMB320 and AMB330 **Equivalents:** AMB321 AMX339 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AMB240 or CTB240, and AMB201 or CTB201 **Antirequisites:** MIB311 **Equivalents:** CTB340 AMX340 **Credit points:** 12 **Contact hours:** 3 per week
Campus: Gardens Point and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

AMB342 Strategic Procurement

This unit is designed to provide knowledge of strategic procurement practices and practical knowledge of the role of procurement within the contemporary logistics industry. This unit extends the study of procurement and its place in a modern firm.

Prerequisites: AMB204 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: AMB240, CTB240, AMB202, COB207, MIB217, or AMB249 **Antirequisites:** MIB230
Equivalents: AMX350 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: AMB240, CTB240, or MIB217
Antirequisites: MIB229, MIB310 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point

AMB359 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.

Prerequisites: AMB340, and AMB335 or AMB241

Equivalents: AMB341 AMX359 **Credit points:** 12

Campus: Gardens Point and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.'

Prerequisites: AMB336, AMB303, IBB303, or IBB213

Equivalents: IBB300 AMX369 **Credit points:** 12

Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: ((AMB263 or AMB260) and AMB264)) or (AMB261 and AMB262) **Equivalents:** AMX372 **Credit points:** 12

Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: (AMB263 or AMB260 and AMB264) or (AMB261 and AMB262) **Equivalents:** AMB360 AMX373

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AMB372, AMB261, or AMB262

Equivalents: AMB370 AMX374 **Credit points:** 12

Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AMB372 and AMB373, or AMB360

Equivalents: AMX375 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AMB374 or AMB370, and AMB201 or CTB201 **Equivalents:** AMB361 AMX379 **Credit points:** 12

Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: MIN419 **Equivalents:** AMX400 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: CON421 **Equivalents:** AMX401 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: MIN413 **Equivalents:** AMX403 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AMN401 **Antirequisites:** CON416 **Equivalents:** AMX404 **Credit points:** 12 **Contact hours:** Supervision only, Lecture in Week 1 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: AMN401 **Equivalents:** AMX405 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: 60 credit points of approved prior studies in Advertising, Marketing and Public Relations units (AMN% units) **Antirequisites:** CON405 **Equivalents:** AMX406 **Credit points:** 24 **Contact hours:** 2-6 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Other requisites: Subject to Unit Coordinator Approval **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: CON417 **Equivalents:** AMX420 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AMN420 **Antirequisites:** CON412 **Equivalents:** AMX421 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: CON418 **Equivalents:** AMX422 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: CON419 **Equivalents:** AMX423 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

AMN430 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.

Equivalents: IBN410 AMX430 **Credit points:** 12
Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

AMN431 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.

Antirequisites: MIN421 **Equivalents:** IBN421 AMX431
Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

AMN432 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.

Equivalents: IBN422 **Other requisites:** Subject to Approval of Subject Area Coordinator: Students are required to complete 96 credit points of approved studies
Credit points: 12 **Campus:** Gardens Point

AMN433 Special Topic in 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.

Antirequisites: MIN426 **Equivalents:** IBN426 **Other requisites:** Subject to Approval of Subject Area Coordinator
Credit points: 12 **Campus:** Gardens Point

AMN435 Communication, Negotiation and Leadership

The unit serves as an introduction to effective leadership, communication, and negotiation processes as fundamental skills in today's organisations. In particular, it focuses on the

increasing importance of such skills for Engineering, Built Environment, Project management and other professionals to bridge cultural boundaries and enhance organisational performance in an increasingly globalised world.

Equivalents: GSN235 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: MIN422 **Equivalents:** AMX442 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: MIN423 **Equivalents:** AMX443 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: AMN442 **Antirequisites:** MIN424
Equivalents: AMX444 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AMN442 **Antirequisites:** MIN425
Equivalents: AMX445 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: MIN407 **Equivalents:** AMX447 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: CON409 **Equivalents:** AMX460 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Antirequisites: CON424 **Equivalents:** AMX461 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: AMX462 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Antirequisites: CON415 **Equivalents:** AMX465 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: AMX467 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Antirequisites: CON408 **Equivalents:** AMX468 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

AMZ435 Communication, Negotiation and Leadership

Equivalents: GSZ235 **Credit points:** 12

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.

Antirequisites: BSB212, CTB212 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: BSB213 **Credit points:** 12 **Campus:** Gardens Point
Teaching period: 2011 SEM-1

Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-1 and 2011 SEM-2

AYB200 Financial Accounting

Financial Accounting examines 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.

Prerequisites: BSB110 or CTB110 **Equivalents:** AYB121 AYX200 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: BSB111 or CTB111 **Antirequisites:** AYB223 **Equivalents:** AYB305 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: BSB111 or CTB111 **Antirequisites:** LWB364 **Equivalents:** AYB325 AYX219 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: BSB110 or CTB110 **Antirequisites:** AYN443 **Equivalents:** AYX221 **Credit points:** 12

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.

Prerequisites: BSB110 or CTB110 **Equivalents:** AYX225 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: BSB110 or CTB110, and BSB119 or CTB119 **Equivalents:** AYX227 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: BSB111 or CTB111 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

AYB232 Financial Services Regulation and 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.

Prerequisites: BSB111 or CTB111 **Equivalents:** AYB312 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: BSB110 or CTB110, and BSB111 or CTB111 **Credit points:** 12 **Campus:** Gardens Point

Teaching period: 2011 SEM-1

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.

Prerequisites: (BSB111 or CTB111) and (BSB110 or CTB110) and EFB210. EFB210 can be enrolled in the same teaching period. **Antirequisites:** AYB335, EFB230, EFB339 **Credit points:** 12 **Campus:** Gardens Point

Teaching period: 2011 SEM-2

AYB300 Accountancy Work Integrated Learning

The unit fosters learning through work related experience. Students will be given an extended 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; and to reflect on work experience as a form of learning. Admission to this unit is by application and subsequent approval by the Unit Coordinator.

Credit points: 24 **Campus:** Gardens Point **Teaching period:** 2011 SUM

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.

Prerequisites: AYB221, and AYB340 or AYB220

Equivalents: AYX301 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

AYB302 Project

The project is an analytically based applied or theoretical study of a problem/issue in Accounting. Students will develop and write a research paper on the application of a specific body of disciplinary work and/or develop a specific industry case study. This unit will give students experience in identifying, researching and critically analysing

information relevant to a business problem or issue. Students will then synthesise that information in order to evaluate potential solutions, make recommendations or otherwise effectively address the problem or issue. Developing and executing comprehensive and systematic research into an issue relevant to the private and/or public sectors is an essential part of undergraduate education in the discipline of Accounting.

Credit points: 24 **Campus:** Gardens Point **Teaching period:** 2011 SUM

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

Prerequisites: AYB340 or AYB220 **Equivalents:** AYX311 **Credit points:** 12 **Contact hours:** 3.5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AYB219 or AYB325 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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; strategic planning and budgetary

systems; pricing and product mix decisions; 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.

Prerequisites: AYB225 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

For additional **important information about this unit** please refer to the current unit outline.

Other requisites: An application, interview and subsequent approval by the unit coordinator is required to enrol, in addition to the completion of AYB200 & AYB221& AYB219; OR AYB114 & AYB341; OR other units approved by the Subject Area Coordinator. **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: (AYB220 or AYB340 and AYB311), OR (AYB220 or AYB340 and AYB321) **Antirequisites:** AYN520 **Equivalents:** AYX339 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AYB200 or AYB121 **Equivalents:** AYX340 **Credit points:** 12 **Campus:** Gardens Point

Teaching period: 2011 SEM-1 and 2011 SEM-2

AYB341 Forensic and Business Intelligence

This unit focuses on providing skills in forensic and business intelligence through the use of SAS technologies. The unit assists students to analyse large data sources and report their findings to assist managerial decision making. Forensic and business intelligence issues and corporate decision making processes are emphasised. This unit provides students with an important skill base in supporting corporate decision making and investigation in a business environment.

Prerequisites: AYB114, BSB124, or BSB114 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: AYN416 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AYN416 Can be enrolled in the same teaching period. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

AYN415 External Reporting Issues

Prerequisites: AYN417 and AYN418 **Other requisites:** In addition to the prerequisite subjects, subject area coordinator approval is required. **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AYN416 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AYN416 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

AYN426 International Capital Markets Law and Regulation

Prerequisites: AYN410 or AYN456 or (GSN412 and GSN472) **Other requisites:** In addition to the prerequisite subjects, subject area coordinator approval is required.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AYN417 and AYN418 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: AYN410 or AYN456 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

AYN442 Superannuation and Wealth Management

The complex regulatory environment in which retirement income policies operate, gives rise to a need for accountants and other business professionals to have comprehensive knowledge and understanding of wealth management issues. This unit introduces students to personal wealth management, in particular, the Australian strategies. The knowledge and skills developed in this unit are essential for accounting professionals working in any areas of practice associated with the administration or auditing of superannuation funds, advising employers about superannuation, or providing individuals with financial planning services.

Prerequisites: AYN416 and EFN406 and AYN438. AYN438 maybe studied in the same teaching period.

Other requisites: In addition to the prerequisite subjects, subject area coordinator approval is required. **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.

Prerequisites: AYN416 **Antirequisites:** AYB221, AYN402 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

AYN453 Financial Forensics and Business Intelligence

As result of having to make increasing numbers of urgent, strategic, high-risk decisions, management need more than just information to assist them. This unit focuses on providing skills in forensic and business intelligence through the use of SAS technologies to examine large data resources to assist managerial decision making.

Applications for financial forensics and business intelligence are emphasised.

Prerequisites: AYN443 **Other requisites:** In addition to the prerequisite subjects, subject area coordinator approval is required. **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: AYN417 and AYN418 **Other requisites:** In addition to the prerequisite subjects, subject area coordinator approval is required. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

AYN456 Business and Corporations Law

This unit will introduce students to the Australian legal environment and develop students' knowledge and understanding of the basic principles of business law and the Australian corporations legislation. Students will be encouraged to develop their research and analytical skills relevant to contemporary business and corporate practice.

Antirequisites: AYN410 and AYN412 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

For additional **important information about this unit** please refer to the current unit outline.

Other requisites: An application, interview and subsequent approval by the Unit Coordinator is required to enrol in this unit. In addition to completion of the following units: AYN417 & AYN418. **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Other requisites: An application (via a website), a short resume, an interview and subsequent approval by the Unit Coordinator is required to enrol. In addition, completion of the following units: AYN417 & AYN418 **Credit points:** 24 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: AYN417 and AYN418 and EFN406 **Other requisites:** In addition to the prerequisite subjects, subject area coordinator approval is required. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: AYN414 and AYN417 **Other requisites:** In addition to the prerequisite subjects, subject area coordinator approval is required. **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: AYN417 and AYN418 **Other requisites:** In addition to the prerequisite subjects, subject area coordinator approval is required. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

AYN520 Integrated Issues in Professional Practice

The Accountancy profession has repeatedly stressed the need for accounting university graduates to be 'work ready' and able to deal with and solve unstructured, multi-disciplined problems. This unit is a deliberate attempt to address this concern for students who enter the accounting

profession through the Master of Business (Professional Accounting) - Advanced course and enables students in the Master of Business (Accounting) courses to further develop their team work, research and problem-solving skills. The unit simulates issues faced by a professional advisor/consultant by presenting students with simulated real world problems. The 'real world' focus of the unit ties strategically into QUT's charter and provides our students with a potential advantage in seeking employment.

Prerequisites: AYN417 and AYN418 **Antirequisites:** AYB339 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

BEB111 Managing Project Quality

This unit is one of four within the BEE minor in Project Collaboration and is designed to provide you with appropriate knowledge and skills needed for your involvement in delivering projects in professional organisations in the public and private sectors, by ensuring that the achieved project quality outcomes accord with client requirements and satisfy customer expectations.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **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 **Teaching period:** 2011 SEM-2

BEB210 Introduction to Collaboration

This unit introduces students to the foundational aspects of collaboration within the design and documentation of artefacts, using Building Information Modelling (BIM) approach. Focusing on multidisciplinary collaboration during the complete life cycle of a built environment facility. This unit is an approach to the theory and practice of BIM software, exploring the translation from Computer Aided Design (CAD) to BIM. This unit is also the foundation for BEB212 Advanced Collaboration.

Assumed knowledge: DE40/ UD40 students completion of Yr 1 units; EN40 students completion of Yr 1 & 2 units. Additionally, for all students, working knowledge of 3D CAD software for your discipline, demonstrated by completion of one unit utilising 3D CAD or equivalent. **Credit points:** 12

Contact hours: 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

BEB211 Parametric Design Systems

This subject introduces students to the use of parametric geometry systems that are used in early stages of design. These are the systems used by major design firms such as Zaha Hadid and Frank Gehry (architecture), SOM (architecture/engineering) and Arup (engineering).

Assumed knowledge: DE40/ UD40 students completion of Yr 1 units; EN40 students completion of Yr 1 & 2 units. Additionally, for all students, working knowledge of 3D CAD software for your discipline, demonstrated by completion of one unit utilising 3D CAD or equivalent. **Credit points:** 12

Contact hours: 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

BEB212 Advanced Collaboration

In a real environment designers need to collaborate with others using a range of design tools provided by different software vendors. In this unit you will develop an understanding of interoperability and methods of maximising the benefits of information exchange across a range of design tools.

Prerequisites: BEB210 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: DE40/ UD40 students completion of

Yr 1 units; EN40 students completion of Yr 1 & 2 units. Additionally, for all students, working knowledge of 3D CAD software for your discipline, demonstrated by completion of one unit utilising 3D CAD or equivalent. **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2

BEB701 Work Integrated Learning 1

This unit aims to provide you with the opportunity to learn in a workplace environment. It will involve attendance, participation, observation, critical reflection, and report writing on workplace activities. The emphasis of your critical reflection and report writing will be on identifying and describing aspects of professional relevance incorporating: collaboration and teamwork; work place, health and safety; professional conduct; ethical responsibility, and other aspects of your work place experience.

This unit may form part of your (compulsory) course core (as required by professional accrediting bodies e.g. Engineers Australia, Australian Institute of Building, Royal Institution of Chartered Surveyors), or it may be one of several work integrated learning (WIL) units (selected as part of a Minor).

Assumed knowledge: This unit is not designed for first year students. It is recommended that you check WIL Community Blackboard site for information on enrolment pattern. If you are EN40 student you can only enrol after completing a minimum of 192 cp. **Credit points:** 12

Campus: Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

BEB702 Work Integrated Learning 2

This unit aims to provide you with the opportunity to continue to learn in a work place environment. It will involve attendance, participation, observation, and reflection on activities negotiated with the work place supervisor. The emphasis of your critical reflection for this unit is to explicate the culture of the organisation you work for via the profile it presents to its employees, clients and the public and critique the role of an individual in a work place and how this relates to other employees in meeting the organisations aims and objectives.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

BEB703 Work Integrated Learning 3

This unit will provide you with the opportunity to consolidate and extend your learning through a work placement and associated projects. It will involve some on-campus attendance at lectures and online 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 emphasis on the development of high order observation skills and critical reflection skills. The outcomes of your learning will be recorded in your e-portfolio. Most students undertaking this unit will do so as part of a WIL Minor.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 students' 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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

BEB706 Work Integrated Learning 6

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

BEB707 Work Integrated Learning 7

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

BEB708 Work Integrated Learning 8

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

BEB801 Project 1

This unit is usually taken in the final year of study. Students complete an individual project involving the application of skills and knowledge attained during the earlier years of their degree program. For some students, this unit will be taken one of two 'project' units related to the same student project; in such cases this unit may be a pre-requisite or co-requisite to the second unit (or a follow-on from the first unit). The final 'deliverable' for this unit may vary for each discipline and details will be provided in lectures/tutorials and on the Blackboard website.

Equivalents: CEB411, CEB420, CNB434, EEB781-1, EEB889-1 **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

BEB802 Project 2

This unit is usually taken in the final year of study, and is only taken by students completing a two unit project. Students complete an individual project involving the application of skills and knowledge attained during the earlier years of their degree program. This unit will be taken as the second of two 'project' units related to the same student project.

Equivalents: CEB415, EEB782-2, EEB889-2 **Credit points:** 12 **Contact hours:** 2 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

BEB901 Retrofitting for Sustainability

THIS UNIT IS OFFERED IN ODD-NUMBERED YEARS ONLY.

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 **Teaching period:** 2011 SEM-1

BEB903 Greenhouse Solutions

THIS UNIT IS OFFERED IN ODD-NUMBERED YEARS ONLY.

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

BEN710 Sustainable Practice in Built Environment and Engineering

Sustainability has become a global agenda that impacts upon our work and everyday life. The unit will introduce principles, challenges and skills for dealing with a diversity of trans-disciplinary issues in sustainable development. By introducing critical sustainability theory and challenging best practices, this unit will prepare you for the impending changes that are necessary in all built environment and engineering disciplines.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

BEN810 Research Methods For Built Environment and Engineering

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

BEZ610 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

BSB009 Community Engagement Project

This unit fosters learning through an experience of professional practice in a suitable community enterprise where students actively work on a part-time basis. Students are required to submit a plan, a reflective journal and undertake a presentation reflecting upon their learning against course learning goals.

Other requisites: Enrolment in this unit requires completion of 192 credit points of approved study including all the Business Core Units and a GPA of 4.0 or higher. An interview will be required prior to enrolment. **Credit points:** 12 **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.

Antirequisites: BSD110, CNB293, UDB342

Equivalents: CTB110 BSX110 **Credit points:** 12

Contact hours: 3 per week **Campus:** Gardens Point and Caboolture **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Antirequisites: AYB120, LWS009, LWB145

Equivalents: CTB111 BSX111 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point and Caboolture **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Antirequisites: BSD113, UDB104 **Equivalents:** CTB113 BSX113 **Credit points:** 12 **Contact hours:** 3 per week
Campus: Gardens Point and Caboolture **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Antirequisites: BSD115 **Equivalents:** CTB115 BSX115
Credit points: 12 **Contact hours:** 3 per week
Campus: Gardens Point and Caboolture **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM-1

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.

Antirequisites: BSB116, BSB112, BSD119 **Equivalents:** CTB119 BSX119 **Credit points:** 12 **Contact hours:** 3 per week
Campus: Gardens Point and Caboolture **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Antirequisites: BSB117, BSB122, CTB122, EFB101, MAB101, MAB141, MAB233 **Equivalents:** BSX123

Credit points: 12 **Campus:** Gardens Point and Caboolture **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Antirequisites: BSB114, CTB114, HHB113, BSD124

Equivalents: BSX124 **Credit points:** 12 **Campus:** Gardens Point and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: BSB116, BSD126 **Equivalents:** CTB126 BSX126 **Credit points:** 12 **Contact hours:** 4 per week

Campus: Gardens Point and Caboolture **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

BSB200 Project

Students will be given the opportunity to develop and write a formal analytical study of a specific theory area or develop an industry case study. Students will select the topic in conjunction with a supervisor and prepare a formal plan for obtaining answers to the research question on the business problem. A full report will be submitted at the conclusion of the semester, which will cover all of the objectives set out in the original proposal.

Credit points: 24 **Campus:** Gardens Point **Teaching period:** 2011 SUM

BSB302 Project 2

Students will develop either a detailed case study or a special project related to their discipline area (either: Advertising, Marketing, Public Relations, Economics, Finance, Management, Human Resource Management or International Business). Students will work individually with

a supervisor to develop and execute a comprehensive and systematic study of an issue relevant to their study program.

Credit points: 24 **Campus:** Gardens Point **Teaching period:** 2011 SUM

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.

Prerequisites: MGB223 or LSP127 **Credit points:** 12

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

Teaching period: 2011 SEM-2

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.

Antirequisites: BSB110 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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.

Antirequisites: BSB113 or UDB104 **Credit points:** 12

Contact hours: 4 per week **Campus:** Kelvin Grove

Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3

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.

Antirequisites: BSB115 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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 **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

BSD124 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 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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 **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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.

Other requisites: Subject to Course Coordinator Approval: 240 credit points of UG study with a GPA of 5.5>; pre-approval of Course Coordinator; subject to supervisor availability and completion of an agreed learning contract.

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

Point

BSN404 Project 1

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

Antirequisites: MKN101, MKN102, MKN103 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

BSN405 Project 2

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

Antirequisites: MKN101, MKN102, MKN104 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2 and 2011 SUM

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.

Credit points: 24 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

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.

Antirequisites: CON500 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: BSB400 **Credit points:** 12 **Contact hours:** Flexible Mode **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

CLB004 Foundation: Language Design and Theory

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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
Teaching period: 2011 SEM-2

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.

Prerequisites: CLB006 **Credit points:** 12 **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1

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.

Prerequisites: CLB005 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 6TP4 and 2011 SEM-2

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.

Prerequisites: CLB051 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: CLB051 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: 24 credit points of English discipline studies is assumed knowledge. **Credit points:** 12

Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: CLB018 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: CLB019 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: CLB021 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: CLB022 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: 24 credit points of Film and Media discipline studies is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: CLB024 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: CLB025 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: CLB054 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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).

Prerequisites: CLB054 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: CLB051 or CLB054 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: 48 credit points of appropriate LOTE discipline studies is assumed knowledge. **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: CLB036 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: CLB037 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: CLB054 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: At least four LOTE discipline units, and language study ongoing is assumed knowledge. **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

CLB050 Movies and Popular Culture

This unit analyses and explores the way contemporary thought about society and culture emerges in fictional film and television. Although this unit can be studied as an independent unit, it is also designed to complement other units which focus on film and media and on media literacy and education.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: 24 credit points of Business Education discipline studies is assumed knowledge.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: CLB010 or CLB013 or CLB034 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: 24 credit points of discipline studies from any of the following is assumed knowledge: Social Science, History, Geography, and Legal Studies. **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: CLB031 or CLB028 or CLB034 or CLB040 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

CLB101 Australian Society and Culture

This unit is designed to provide overseas and Australian students with an understanding of Australian culture and values. It offers insights and understandings about issues that divide Australians as well as events and circumstances that unite the nation.

Equivalents: HHB106, HHB108 **Credit points:** 12

Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

CLB102 Australian Historical Studies

There are now competing ideologies and contexts shaping, dominating and influencing the way we think historically about Australia. This unit presents a past in Australia that is constructed, invented, contested and open to interpretation.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

CLB103 Interpreting the Past

For the purposes of this unit, 'history' will be taken to mean a set of practices developed by professional historians to produce knowledge about the past. The study of these practices promotes understandings of how historians set about their work, the rules that govern their methods, the reliability of historical knowledge and the value of history socially and culturally.

Equivalents: HHB121 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

CLB104 Colonialism and Independence in Asia-Pacific

This unit provides a general introduction to the history, geography and cultures of the Asia-Pacific region. It traces the rise and decline of colonial empires, the growth of nationalism in East Asia, Southeast Asia and the Pacific and the dynamic policies of the Asia-Pacific and their search for identity, independence, growth and stability.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

CLB105 Australia and the South Pacific

This unit is based on a critical study of the evolving relationship between Australia and the Pacific Islands. The key issue in this unit is: does Australia have a Pacific history?

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

CLB106 Modern China

The unit provides students with the knowledge of how China, formerly a Dynastic Empire, was disempowered by Western Imperialism, only to obtain independence through

the governmental embrace of Communism. The role of powerful individuals in determining China's destiny, and an understanding of how the country's fortunes changed over time are additional features of the content.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

CLB107 The Classical World

The aim of this unit is to endeavour to explain/understand particular societies and their transition in the Classical World, by focusing attention on selected periods, aspects and individuals pertaining to ancient Greece and Rome.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

CLB108 Nations and Nationalism in Modern Europe

This unit will develop an understanding of matters pertinent to the evolution of nationalism in Europe in the modern era. This will include the influence of social movements and cultural and economic issues.

Equivalents: HHB260 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

CLB109 World Regions

This unit offers an introductory geographical overview of global regions. This is an excellent basis from which to develop an understanding of complex interrelationships between regions and nations. The integrated knowledge gained is of current and practical value to professionals in many fields requiring a knowledge of international affairs including teachers, planners, journalists, business managers and travellers and people in general.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

CLB110 Environment and Society

People and nature interact to create distinctive and dynamic places and landscapes. Applied geography, with its integrating perspective and skills-base, helps us to understand this. The discipline hence addresses some of our most pressing social and environmental problems. Geography objectively views human activities, natural systems and their inter-relationships in terms of consequent spatial patterns and impacts on landscapes, regions and places.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

CLB111 Environmental Hazards

This unit takes a geographical perspective to investigate the characteristics and distribution of environmental hazards, patterns of risk and vulnerability, and how people perceive, manage and adjust to hazardous environments.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

CLB112 South East Asia in Focus

Australia's interaction with Southeast Asia, including our most populous nearest neighbour, Indonesia, continues to

increase in significance. This unit examines aspects of Southeast Asian geography, environment, society and culture, in a contemporary framework.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

CLB113 Australian Geographical Studies

Australia faces challenging problems and changes in relation to its changing population, socio-economic development and environmental sustainability. Many of these problems, relating to land-use and settlement patterns, migration trends, resource and hazard distribution, regional socio-economic structure, remoteness and accessibility etc, have a geographical basis.

The aim is to describe and analyse, Australia's natural and social landscapes, their interaction, and the changes occurring in them from a geographical perspective

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

CLB114 Geography in the Field

The unit builds upon the geography program to develop advanced understanding of social science research approaches and information capture/analysis. This provides a foundation in research and project design, relevant to a wide range of professions. You will develop skills in the preparation of project grant applications and in presenting a research plan orally.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-2

CLB442 Teaching of Writing

This unit will develop your knowledge about effective writing pedagogy. You will learn about the features of written texts and have an opportunity to plan intervention strategies for improving students' writing in the classroom.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

CLB446 Grammar in the Classroom: Theories and Pedagogies

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1

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.

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: You must discuss the unit with the course coordinator. The course coordinator will grant you approval to enrol **Other requisites:** You must discuss the unit with the course coordinator. The course coordinator will grant you approval to enrol. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SUM-1

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SUM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Internet **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-2

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 **Campus:** Internet and External **Teaching period:** 2011 SEM-2

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 **Campus:** Kelvin Grove and External

CLN652 Literacies For English Language Learners

The aim of this unit is to provide you with opportunities to build theoretical knowledge of English language literate practices and development of multilinguals; formulate positions on controversies of English literacy education relevant in your field; and apply these understandings to professional problems of curriculum, pedagogy or assessment of interest to you.

Credit points: 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-2

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 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1

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 **Campus:** Internet and External **Teaching period:** 2011 SEM-1

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 **Campus:** Internet and External

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 **Campus:** Internet and External

CLN659 Children's Literature: Criticism and Practice

School libraries and classrooms are spaces where multi-literacies and multi-modal textualities are constant and ever-increasing presences in the daily and educational lives of students and staff. This unit provides teachers and teacher-librarians with a range of tools, strategies, and approaches for the critical analysis of children's literature, which in turn will enable them to communicate critically with students and stakeholders in classrooms and libraries

Credit points: 12 **Campus:** Internet and External
Teaching period: 2011 SEM-1

CLN660 Literacy Development and Performance

This unit provides: i) a comprehensive overview of different theoretical approaches to literacy and social conditions that are shaping literacy education; and ii) an opportunity to develop an analysis of and recommendations for improving literacy instruction in a selected context. The work undertaken in this unit can be linked with other ED79 Master of Education units providing advanced studies in grammar, reading and writing difficulties, and literacy for second language learners.

Credit points: 12 **Campus:** Internet **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: 48 credit points of appropriate Accounting/Business Management or Business Communication Technologies or Legal Studies or

Information Communication Technology discipline studies is assumed knowledge. **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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
Prerequisites: CLP402 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.
Prerequisites: CLP402 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: CLP402 or CLP414 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: CLP403, CLP404, CLP406, or MDP455 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet and Kelvin Grove

Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Assumed knowledge: 48 credit points of appropriate English discipline studies is assumed knowledge. **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Assumed knowledge: CLP408 is assumed knowledge for students doing an English Education teaching area. 48 credit points of appropriate discipline studies is assumed knowledge for students enrolling in CLP409 as a curriculum option. **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: CLP409 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Assumed knowledge: 72 credit points of appropriate language discipline studies or native speaker of the language to be taught is assumed knowledge. **Credit**

points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: CLP411 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: CLP411 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: 48 credit points of appropriate Geography or Legal Studies or History or Social Education discipline studies is assumed knowledge. **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: CLP414 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: CLP414 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: CLP414 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Prerequisites: CLP406, CLP415, CLP416, or CLP417 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Assumed knowledge: 48 credit points of History discipline units is assumed knowledge. **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1

CLP421 Primary Lote Curriculum Studies

This unit is designed for students who have completed or are completing relevant language studies in Chinese, French, German, Japanese, Italian or Indonesian and are intending to work as LOTE teachers in the primary sector. The aim of this unit is to develop your understanding of the second language learning process and your awareness of

the place of languages in the primary school curriculum. You will also be encouraged to become reflective learners/teachers able to analyse 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.

Assumed knowledge: 72 credit points in Language studies is assumed knowledge. **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

CLP422 Film and Media Education Curriculum Studies 1

The aim of this unit is to provide you with principles and practices about (i) the nature of Film and Media Curriculum in specific discipline areas and across the curriculum (ii) how lower secondary students learn about Film and Media, and the curriculum documents that are used to support this (iii) how to provide quality planned experiences and supportive environments for learning.

Assumed knowledge: 48 credit points of appropriate Film and Media discipline studies is assumed knowledge. **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

CLP423 Film and Media Education Curriculum Studies 2

New Media literacies are essential for successful participation in contemporary societies. In this unit you will be introduced to principles and practices related to (i) the nature of Film and Media Curriculum in specific discipline areas (ii) how senior secondary students learn about Film, Television and New Media, and the curriculum documents that are used to support this (iii) providing quality planned experiences and supportive environments for learning.

Prerequisites: CLP422 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

CLP424 Film and Media Education Curriculum Studies 3

The aim of this unit is to provide you with principles and practices related to (i) video and media production from pre to post production (ii) secondary school media production and the challenges students face (iii) strategies for successful group collaborative learning and project work.

Prerequisites: CLP423 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

CLP425 Primary English: P-7

The aims of this unit are to provide you with opportunities to build knowledge and skills for teaching diverse groups of students to comprehend and construct text. You will use contemporary perspectives to design engaging experiences and environments that promote effective literacy practices for students in the primary years of schooling. As your personal and professional literacy skills are crucial for teaching, a further aim of the unit is for you to develop your own literacy capabilities

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

CLP426 Primary SOSE: P-7

The unit builds on your understanding of early years and primary school learners and curriculum, and introduces you to the pedagogy that underpins social and environmental sustainability education.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

CTB300 Internship

Other requisites: Subject to Unit Coordinator approval and 96 credit points of prior studies **Credit points:** 12
Campus: Caboolture **Teaching period:** 2011 SEM-1 and

2011 SEM-2

CTB302 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.

Other requisites: Subject to Unit Coordinator approval and 96 credit points of prior studies. **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.

Prerequisites: DEB103 or DLB130 or DNB101 or DTB101. DEB103 can be studied in the same teaching period as DAB110 **Equivalents:** ADB001 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-1

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.

Prerequisites: DAB110 and (DEB203 or DLB210 or DNB201 or DTB201). DEB203 can be studied in the same teaching period as DAB210. **Equivalents:** ADB002
Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: DEB103 is assumed knowledge
Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DAB310 Architectural Design 3

This intermediate level unit in architectural design 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, 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, workshops and studio based activities.

Prerequisites: DAB210 **Equivalents:** ADB003 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: DAB220 is assumed knowledge.
Equivalents: ADB011 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DAB330 Integrated Technologies 1

This is the first discipline-based unit in the Technology and Science design stream, through the introduction and application of the architectural principles for Environmental Design (including sustainability, lighting, and acoustics), Construction, and Structures. It introduces students to the basic technologies and sciences associated with architectural practice and in particular technical skills required for simple design projects.

Thermal characteristics of building materials, bioclimatic chart analysis, climate and climatic elements as environmental factors influencing architectural design, basic climatic regions and climate responsive building design, solar heating and cooling of buildings, thermal performance analysis, environmentally sustainable building materials, colour, natural and artificial lighting, ventilation, and condensation will be forming the Environmental Design topics.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: DAB310 **Equivalents:** ADB004 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 place, time and makers. This unit aims to promote awareness of how architecture is both a product and an emblem of socio-cultural conditions. In particular it explores the interdependency between how architecture is conceived and made, and the way people structure their worldview and organise their institutions in a range of cultural contexts and settings.

Assumed knowledge: DAB220 is assumed knowledge.
Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: DAB330 is assumed knowledge.
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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. A particular emphasis is placed on the introduction of knowledge and skills to design a technologically enhanced architectural space with the aid of digitally mediated tools and methods while 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.

Prerequisites: DAB410 **Equivalents:** ADB005 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: DAB325 and DAB420 are assumed knowledge. **Equivalents:** ADB013 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DAB530 Integrated Technologies 2

The aim of the structure 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.

Assumed knowledge: DAB330 and DAB435 are assumed knowledge. **Equivalents:** ADB024 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DAB610 Architectural Design 6

This unit will develop greater complexity in architectural design skills in an urban context with a focus on ethical and sustainable design solutions and practice. This requires the synthesis of issues, ideas, knowledge and techniques of architectural design as a holistic practice.

Prerequisites: DAB510 **Equivalents:** ADB006 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DAB635 Architectural Technology 2

It is a fundamental task of architectural design to achieve the comfort requirements of the users. This unit aims to promote students' understanding and awareness of the control of indoor conditions through the effective design and integration of building services. Students will participate in a simulated office practice, producing Building Code of Australia compliant construction documentation for low-rise buildings.

Assumed knowledge: DAB435 is assumed knowledge. **Equivalents:** ADB025 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: DAB610 **Equivalents:** ADB007 **Credit**

points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: DAB710 **Equivalents:** ADB008 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: ADB009, ADB067, ADN067 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DAN110 Architectural Theory and Research 1

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.

Equivalents: ADB051 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: ADN014, ADB014 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: ADB026 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DAN200 Master Studio B

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 as a final project to demonstrate high level design proficiency. It uses developmental exercises to enhance and extend student perceptions of the built environment in a problem-based learning environment. Design projects require synthesis of a range of abstract issues to achieve focused architectural proposals, explored and developed to a professional standard.

Prerequisites: DAN100 **Equivalents:** ADN053, ADB053 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DAN220 Architectural Theory and Research 2

This unit allows you to research a specialist architectural topic of your choosing; based on the research proposal of the pre-requisite unit (DAN110). The unit requires professional standards of practice for the research and analysis of data, and tutorial guidance will be tailored to your own project. Research and analysis work will be presented in a written mini-thesis and at an end-of-semester conference.

Prerequisites: DAN110 **Equivalents:** ADN052 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DAN230 Advanced Studio in Integrated Technologies

This unit offers a high level investigation into the field of design as applied to architecture, with particular emphasis on the integration of technological solutions in architecture, as a form of 'output' from the design process. It engages with the application of innovative building construction and environmental control systems and their development through detailed design and contract documentation processes.

Prerequisites: DAN135 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DAN245 Professional Practice

This unit investigates the business and practice of architecture. It provides a detailed understanding of the organisation, structure and management of an architectural office, defining and examining the range of activities and

professional services undertaken within the office from contractual engagement to the completion of an architectural project. The unit reviews the laws and statutory regulations that control the practice of architecture.

Equivalents: ADN033, ADB033 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DEB100 Design and Sustainability

This unit, with its special focus on the role and impact of designers to shift society toward a more environmentally sustainable way of living, introduces you to essential academic and professional skills and practices for learning to become a designer.

Antirequisites: ENB100 and UDB100 **Equivalents:** BEB100 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DEB101 Introducing Design

Please note: this unit is only available to First Year DE40 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 **Teaching period:** 2011 SEM-1

DEB103 Visualisation 1

Designers work in three dimensions and thus employ a variety of tools to think about and communicate three-dimensional ideas. This unit introduces you to the skills and techniques you'll need to support this design visualisation with a focus on analogue media, drawing skills and simple model making. Some of them are common to all the disciplines in the course while others are specific to one or more disciplines of architecture, industrial design, interior design and landscape architecture.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DEB202 Introducing Design History

This unit encompasses a broad survey of the history of design from the civilizations of antiquity to the opening of the 20th century – including architecture, industrial design, interior design and landscape architecture. 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.

Equivalents: ADB931, DEB102 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

Teaching period: 2011 SEM-2

DEB203 Visualisation 2

DEB103 Visualisation 1 introduced you to the skills and techniques needed to support design visualisation with a focus on analogue media and drawing skills. This unit continues that process and integrates digital and analogue approaches. Content will be divided between common and discipline specific techniques and traditions.

Prerequisites: DEB103 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 projects 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.

Assumed knowledge: First and second year DE40 design units is assumed knowledge **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DEB701 Design and Research

This unit is a core unit common to architectural studies, 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 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: Assumed knowledge is completion of years 1 to 3 of DE40 **Equivalents:** ADP217 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: PSP452 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

DEN511 Theory Research Project A

Students will research urban design theory, drawing on literature and case studies from around the world to develop their knowledge in this area and contribute to the School of Design's research data base. This unit links to learnings developed in DEN510.

Equivalents: PSN211 **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DEN520 Urban Design and Theory Studio B

This unit comprises an urban design studio focussed on exploring issues relating to our greater region, i.e. South East Asia and the Pacific Rim.

The 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

DEN521 Theory Research Project B

Through this unit you will develop your research knowledge and capabilities in the context of Urban design.. Knowledge from this unit will be developed in parallel with DEN520 and demonstrated through application within the design studio.

Equivalents: DBP501 **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DLB130 Landscape Design 1

This unit is the first landscape design studio. It will begin your skill building in design processes and theory on which subsequent studios will build. It will focus on applying the representational techniques covered in the allied unit DEB103 Visualisation 1.

Prerequisites: DEB103 or DAB110 or DNB101 or DTB101. DEB103 can be studied in the same teaching period as DLB130 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DLB210 Landscape Design 2

This design studio introduces landscape design within the context of the urban environment. Basic design concepts

such as space, effects and qualities are explored. It also introduces the use of plants as a design material. There is a concentration on communication and graphic skills in the development of a personal design process. These preliminary explorations provide a foundation for later design studios.

Prerequisites: DLB130 and (DEB203 or DAB210 or DNB201 or DTB201). DEB203 can be studied in the same teaching period as DLB210 **Equivalents:** PSB421

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DLB230 Landscape Horticulture

This unit introduces the fundamentals of plant science, ecology and horticulture, especially within a local southeast Queensland context. This theoretical knowledge will be applied to a simple planting design project.

Equivalents: PSB442 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DLB310 Landscape Design 3

This unit introduces you to the theory behind spatial design and place-making. It also introduces design research and inquiry methods. In particular, it encourages you to examine the ways that people use, perceive and value places and environments. The unit teaches you to explore design research methodologies, and apply design skills to place-making.

Prerequisites: DLB210 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DLB330 Landscape Ecology

An understanding of physical geography, geomorphology and the theoretical concepts of landscape ecology as a spatial analysis and design tool underpin this unit. It concentrates on understanding spatial and functional heterogeneity in all landscapes from the 'natural' to the 'developed' by recognising that they share a similar structural and functional model. The unit comprises three content strands: (a) Landscape Structures; (b) Landscape Systems and Processes; and (c) Landscape Development. These theoretical concepts studied in each of these strands are applied in the analysis and redesign of a dynamic real world landscape.

Equivalents: PSP263 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: DLB310 **Equivalents:** PSB441 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DLB430 Landscape Construction 1

This studio is complementary to DLB410 Landscape Design 4. 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. Landscape Construction 1 continues the landscape design process at a finer scale of detail and precision to resolve site regrading, management of surface water and preparing sites for planting new landscapes. It is inextricably linked to the processes of maintenance and management and is therefore one of the core skills landscape architects apply in order to meet sustainability objectives. This unit will develop technical graphic skills associated with manual and digital design communication.

Equivalents: PSB434 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DLB510 Landscape Design 5

This design unit builds on Landscape Design 4 and extends the theoretical and applied understanding of site analysis, planning and design processes. 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 the development of site specific design outcomes. 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.

Prerequisites: DLB410 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DLB525 History and Criticism of Landscape Design

This unit examines landscape design throughout the ages, providing an historical context for exploring contemporary design approaches. The origins of the landscape architectural profession are also investigated. Incorporated into this landscape design focus will be an examination of past and contemporary design criticism and the role that landscape architects play in this regard.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DLB530 Landscape Construction 2

This studio will build on the work of DLB510 Landscape Design 5. 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.

Prerequisites: DLB430 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 – 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.

Prerequisites: DLB530 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

DLB710 Landscape Design 6

This design unit explores contemporary theories and practices of landscape design and their application through problem-based learning in a real world community project. Concepts and theories including landscape urbanism, landscape strategy, and new theories and practices associated with water landscapes will be investigated and applied through the lens of resilience theory. Skills in strategic planning and detailed design at a large and complex scale will be developed and applied in a selected real world landscape from the urban, peri-urban and rural landscape spectrum.

Prerequisites: DLB510 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DLB730 Landscape Design 7

This design unit explores contemporary theories and practices of landscape architecture through the conceptual development of a speculative project for real world application. Students will undertake a national and international literature and exemplary project review, together with site research, to establish a project brief and conceptual design for a medium to large-scale strategic landscape design project. Theoretical positions and presentation methods developed in DLB730 will be informed by investigations into the conditions of climate change and water formed landscapes.

Prerequisites: DLB510 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: DLB330 and DLB645 **Equivalents:** PSP273 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DLB830 Landscape Design 8

This unit is the final design studio in the landscape architecture course and develops urban design skills and knowledge on a project in the conurbation of South-East Queensland, through a staged process leading to an advanced landscape design outcome. The final design presentation will be to a jury invited from academic staff and practice and a public exhibition of the collected work.

Prerequisites: DLB730 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: DEB103 or DAB110 or DLB130 or DTB101. DEB103 can be studied in the same teaching period as DNB101 **Equivalents:** ADB201 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: DNB101 and (DEB203 or DAB210 or

DLB210 or DTB201). DEB203 can be studied in the same teaching period as DNB201. **Equivalents:** ADB202
Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: DNB101 **Equivalents:** ADB212 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DNB301 Industrial Design 3

This unit offers creative opportunities to design and develop new and innovative products in the field of industrial design. It uses design research and methodologies found in biomimicry (study of nature's principles) to inspire new ideas for future (green) markets. It proposes innovative design thinking in keeping with sustainable practices both in the built and natural environments. Analysis of future global markets lead to design projects that engage with issues of context, biometrics, technology and design principle transfers from nature; all form part of the unit content. Learning and teaching activities are spread across lectures, tutorials, workshops and studio based practices.

Prerequisites: DNB101 **Equivalents:** ADB203 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DNB302 Computer Aided Industrial Design

Once an Industrial Designer has completed the conceptual design stage of a project the details required for manufacture need to be resolved and prototypes made. It is at this stage that Computer Aided Design (CAD) is used. 3D CAD allows the details of the design to be resolved. Rapid prototypes can be made directly from the CAD data for design testing and verification. Modifications to the CAD data can be made quickly. Once the design is satisfactory, the 3D CAD models can then be used to generate photo-realistic images and engineering drawings so that the new product can be manufactured.

Equivalents: ADB245 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: ADB233 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DNB401 Industrial Design 4

Industrial design advances design knowledge gained in DNB201 Industrial design 2. The unit introduces how various design processes interact, in complex problems such as sustainable transportation systems. Through collaborative projects students will be exposed to: design research; design innovation; communication skills; integration of design processes, manufacturing technologies and application transfer of design principle mechanisms to solve real world problems.

Prerequisites: DNB201 **Equivalents:** ADB204 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 culture, understand how issues of culture influence product design and the designer's interaction with society and diverse cultures. The content covered includes: theoretical perspectives of culture, psychological implications of everyday human-artefact interactivity, environmental and cultural perception, changing socio-cultural landscapes, ageing population, sustainability and globalisation, potential for design to advance social changes and quality of life, and psychological implications and attitudes imbedded in product semantics and symbolics.

Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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:

- design process and creative thinking
- user-product interaction
- user research and context study
- design narratives
- design ethics and culture

Prerequisites: DNB301 **Equivalents:** ADB205 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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:

- contemporary history of industrial design
- relationship between social and technological change and industrial design
- contemporary design theory and discourse
- criticism methodology
- writing about design
- learning to critique design

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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:

- design process and creative thinking
- interaction design
- socio-cultural trend analysis
- design narratives
- creativity and product innovation
- interdisciplinary teamwork
- design ethics and culture

Prerequisites: DNB401 **Equivalents:** ADB206 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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:

- new product development process
- idea generation
- strategic planning
- introduction to marketing
- product screening and evaluation
- commercialisation and post launch review

Equivalents: ADB235 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 – from usability to business to manufacturing. Through the projects the students will be exposed to:

- advanced design process and creative thinking
- knowledge integration within various contexts
- understanding industrial designer's role within collaborative projects.

Prerequisites: DNB501 **Equivalents:** ADB207, ADP207 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 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:

- human-centred innovation framework
- application of qualitative research methods to industrial design
- situating product/systems within the social framework
- communication of research outcome.

Prerequisites: DNB601 **Equivalents:** ADP267 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: DNB701 and DNB702 **Equivalents:** ADP268 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: DNB701, DNB702 and DNB801 **Equivalents:** ADP269 **Credit points:** 12 **Contact hours:** 4 **Campus:** Gardens Point **Teaching period:** 2011 6TP5

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 and three 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.

Prerequisites: DEB103 or DAB110 or DLB130 or DNB101. DEB103 can be studied in the same teaching period as DTB101 **Equivalents:** ADB101 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: DTB101 and (DEB203 or DAB210 or DLB210 or DNB201). DEB203 can be studied in the same teaching period as DTB201. **Equivalents:** ADB102 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: ADB122 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DTB301 Interior Design 3

The aim of this unit is to facilitate students to develop an applied 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 with applied design approaches. Student learning will be facilitated in an holistic approach to the design issues. 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; Finishes, fittings and furnishings; Relevant design history; Relevant technological, psycho-social and experiential theory; Environmental issues and sustainability.

Prerequisites: DTB201 **Equivalents:** ADB103 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: ADB152 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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: Materials and tectonics, drafting conventions, technical site analysis and recording methods, introduction to ergonomics, codes and standards, introduction to commercial joinery and documentation techniques, and graphics and presentation approaches for communication. In addition 2D CAD skills will be progressed within this unit.

Prerequisites: DTB202 **Equivalents:** ADB123 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: DTB301 **Equivalents:** ADB104 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: DTB303 **Assumed knowledge:** DTB202 is assumed knowledge. **Equivalents:** ADB153 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

DTB501 Interior Design 5

This unit is structured to assist students understand varied approaches to design by choosing from a range of research-led themes that address more complex physical technical and cultural contexts. This approach ensures that an open, active and critical debate is sustained by the discipline on what constitutes interior design as an exploratory subject and creative endeavour, capable of revealing new intellectual and formal concepts. The content allows for new forms of knowledge and expertise to emerge through student projects.

Prerequisites: DTB401 **Equivalents:** ADB105 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

DTB502 Environments in Transition

In this unit, the 19th century era will be used as a frame-of-reference for deconstructing both space and design artefact to understand the social and cross-cultural influences upon design production. Various theoretical perspectives and case studies will be used to explore this historical reference and further explore parallels with contemporary design practice. In addition, it will introduce how the cross-cultural migration of ideas and design approaches can be creatively translated and transformed to inform innovative design outcomes particular to the contemporary context.

Equivalents: ADP156 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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

Equivalents: ADB154 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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

Prerequisites: DTB501 **Equivalents:** ADB106 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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.

Prerequisites: DTB601 **Equivalents:** ADP107 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: DTB701 **Equivalents:** ADP108 **Credit points:** 12 **Contact hours:** 4 per week **Campus:**

Gardens Point **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: EAB003 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: EAB008 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: EAB009 **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: EAB011 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

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

Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 6TP4

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: EAB012 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1

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.

Prerequisites: EAB027 **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 6TP4 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Internet and External **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: 24 credit points of arts curriculum units is assumed knowledge. **Credit points:** 12

Contact hours: 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-2

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".

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-2

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 experi

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

EAP404 Primary Arts/LOTE: P-7

Through music, movement/dance, media, imaginative play, story and drama, children are provided with ways to understand, appreciate and respond to their worlds, as they develop visual, aural, bodily-kinaesthetic and aesthetic literacies. This unit examines the basic elements and concepts relevant to the art forms of dance, drama, media and music; provides opportunities for practical exploration of these art forms; builds a repertoire of relevant arts pedagogies and extends on EAB011, with further analysis of the importance of the arts in the education of young children.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

EAP405 Early Years: Development, Diversity and Inclusion

An understanding of inclusive educational principles and practices is important if early years teachers are to address the participation rights of all children. This requires you to engage with the literature evidence-base on inclusive approaches in early education, and to deepen your understanding of the diverse characteristics and backgrounds of young children. Inclusive education of young children incorporates the development of effective educational partnerships with families and other professionals to support children's learning, development and well-being.

Credit points: 12 **Campus:** Internet and Kelvin Grove
Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove and Caboolture
Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1

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.

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

Internet, Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove, External and Caboolture **Teaching period:** 2011 SEM-1

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.

Prerequisites: EDB033, EDB023, or EDB013 **Credit points:** 12 **Campus:** Internet, Kelvin Grove, External and Caboolture **Teaching period:** 2011 6TP4

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.

Antirequisites: CLB341, MDB385 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Internet, Kelvin Grove and Caboolture **Teaching period:** 2011 6TP4 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 20 days of supervised field experiences in before-school setting **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-1

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, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SUM

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.

Prerequisites: EDB011, EDB012 and EDB013 **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EDB014 (Can be enrolled in same teaching period) **Assumed knowledge:** Completion of all units in your course is assumed knowledge. **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EDB021, CLB006 and MDB002 **Credit points:** 12 **Campus:** Internet, Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-2

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.

Prerequisites: EDB022 **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EDB023 EDB004 **Credit points:** 12 **Campus:** Internet, Kelvin Grove, External and Caboolture **Teaching period:** 2011 5TP2 and 2011 SEM-2

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.

Prerequisites: EDB024 (Can be enrolled in same teaching period) **Assumed knowledge:** Completion of all units in your course is assumed knowledge. **Credit points:** 12 **Campus:** Internet, Kelvin Grove, External and Caboolture **Teaching period:** 2011 5TP3 and 2011 SEM-2

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.

Prerequisites: HMB231, HMB292, CLB018, CLB036, CLB021, CLB051, CLB054, MDB015, MDB021, MDB031, or PUB343 (can be enrolled in the same teaching period)

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EDB031, and HMB331, HMB396, CLB019, CLB025, CLB037, CLB022, CLB010, CLB013, CLB016, CLB028, CLB031, CLB034, CLB040, MDB010, MDB013, MDB016, MDB022, MDB025, MDB028, MDB453, or PUB643 (can be enrolled in the same teaching period)

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Prerequisites: EDB032, and HMB431, HMB496, CLB020, CLB026, CLB038, CLB023, CLB053, CLB056, MDB017, MDB023, MDB033, or PUB743 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EDB033 **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 5TP2 and 2011 SEM-2

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.

Prerequisites: EDB034 (Can be enrolled in same teaching period) **Assumed knowledge:** Completion of all units in your course is assumed knowledge. **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 5TP3 and 2011 SEM-2

EDB036 Introduction To Education

This unit is early in the course to introduce foundational theories and practices in the design of curriculum, pedagogy and assessment that you will then build on throughout the remainder of your course.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

EDB037 Introduction To Educational Sites

Effective teachers have a deep knowledge and understanding of educational sites and of how they operate. The role of this unit is to introduce you to the diversity of schooling contexts and to assist in preparing you to work flexibly and cooperatively within and across educational settings. Through the processes of critical observation and reflection, this unit requires you to make links between current educational thought and practice.

Prerequisites: EDB036 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

EDB038 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 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

EDB039 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 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

EDB040 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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

EDB041 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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EDB102, SPB102, and SPB103 **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: EDB103 **Corequisites:** SPB108 **Credit points:** 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: EDB350 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: EDB350 and EDB351 **Corequisites:** EDB353 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: EDB350 and EDB351 **Corequisites:** EDB352 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

EDB356 Assessment in English Language Teaching

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Other requisites: Entry to the Research Pathway is by invitation from the Research Pathway Coordinator. Students are required to have a GPA of 5.5 or above. **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EDB410 (can be enrolled in the same teaching period) **Other requisites:** Entry to the Research Pathway is by invitation from the Research Pathway Coordinator. Students are required to have a GPA of 5.5 or above. **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EDB410 (can be enrolled in the same teaching period) **Other requisites:** Entry to the Research Pathway is by invitation from the Research Pathway Coordinator. Students are required to have a GPA of 5.5 or above. **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Other requisites: Entry to the Research Pathway is by invitation from the Research Pathway Coordinator. Students are required to have a GPA of 5.5 or above. **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EDB432 **Credit points:** 12 **Contact hours:** 30 days school placement **Campus:** External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Campus:** Internet and Kelvin Grove
Teaching period: 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Campus:** Internet and Kelvin Grove
Teaching period: 2011 SEM-1, 2011 SEM-2 and 2011 SUM

EDN604-2 Facilitated Study Unit

See EDN604-1.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet and Kelvin Grove
Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EDN611 **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EDN611 **Credit points:** 12 **Teaching period:** 2011 SEM-2

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.

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.

Credit points: 12 **Campus:** Internet and External
Teaching period: 2011 SEM-2

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.

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.

Credit points: 12 **Campus:** Internet and External
Teaching period: 2011 SEM-2

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.

Prerequisites: PYN601, SPN640 and SPN641 (all can be enrolled in the same teaching period) **Assumed knowledge:** Registration (Probationary or Full) with the Psychologists Board of Queensland is required for enrolment in this unit. **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EDN631, PYN601, SPN640, SPN641

Corequisites: SPN642 **Assumed knowledge:** Registration (Probationary or Full) with the Psychologists Board of Queensland is required for enrolment in this unit.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EDN632 **Assumed knowledge:** Registration (Probationary or Full) with the Psychologists Board of Queensland is required for enrolment in this unit.

Credit points: 12 **Contact hours:** Approximately 2 days per week for practicum **Campus:** Kelvin Grove

Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EDN633 **Assumed knowledge:** Registration (Probationary or Full) with the Psychologists Board of Queensland is required for enrolment in this unit.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EAN601 **Credit points:** 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

EDN641 Field Studies in Early Childhood: Birth To 5 Years

The field experience component of this course provides opportunities for the demonstration of competence in working with young children in a planned environment. The aim of this unit is enable you to draw upon your professional knowledge and experience in making child observations and in planning, implementing and evaluating learning experiences for children.

Prerequisites: EAN601 **Credit points:** 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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).

Prerequisites: EAP400 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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).

Prerequisites: EDP421 **Credit points:** 12 **Campus:**

Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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)

Prerequisites: MDP452 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-2

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).

Prerequisites: EDP431, and CLP400 (CLP400 can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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).

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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).

Prerequisites: EDP441, and CLP407, CLP410, CLP413, CLP418, CLP424, KDP203, KMP203, KTP203, KVP303, MDP458, or MDP461 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

EDP452 Reflective Practitioners 1

Designated unit. This is the first field studies unit in the primary stream of the graduate pre-service teacher education program. It provides you with your first supervised professional experience in teaching. Through a combination of university-based professional learning and school-based supervised field experience, the unit provides the opportunity for you to develop the professional capacity to plan, implement and evaluate effective and inclusive teaching/learning programs. The unit closely articulates with your first Education Studies unit, SPP402 Primary Educational Perspectives, and with your first Curriculum Studies units. (25 days Field Studies).

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

EDP453 Reflective Practitioners 2

This unit will build on your emerging understanding of classroom management and investigates a range of classroom management approaches appropriate for middle years contexts and scaffold the development your own individualised approach to classroom management. This unit also continues your professional development in designing, implementing and assessing appropriate middle years learning experiences. As such, this field studies unit continues the process of your induction into the education profession. (33 days total field studies)

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 24 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

EDZ009 Professional Development: Research Project A

Teachers' professional knowledge is dynamic and constantly changing; and it is essential for beginning teachers to develop as lifelong learners and reflective practitioners, prepared to work in constantly changing

social, economic and professional conditions. This unit covers topics related to the complex professional and personal dimensions of teachers' work.

Credit points: 12 **Campus:** Institut Perguruan Bahasa-Bahasa Antarabangsa **Teaching period:** 2011 SEM-1

EDZ010 Curriculum Studies

This unit examines the meaning of curriculum in relation to the school context, state and national contexts, the broader socio-political context. Of central importance throughout is the idea of curriculum as an interactive process. The idea of curriculum as a process is emphasised, and the dynamic interplay between curriculum context, theory and practice is illustrated through the topics listed below.

Credit points: 12 **Campus:** Institut Perguruan Bahasa-Bahasa Antarabangsa **Teaching period:** 2011 SEM-1

EDZ011 Linking Theory and Practice in the Language Classroom

This unit examines the pedagogical frameworks underpinning classroom methodology. This final year unit will focus on linking theory and practice and on preparing students for forthcoming classroom teaching. It will include the practical preparation and implementation of lessons, drawing on and bringing into focus, relevant aspects of the programme.

Credit points: 12 **Campus:** Institut Perguruan Bahasa-Bahasa Antarabangsa **Teaching period:** 2011 SEM-1

EDZ013 Teaching Practice

During the second semester of Year 4, you will carry out an extended period of practice teaching for a twelve week period in a Malaysian School. The Practice will focus on the teaching of English; however, you may be requested/given the opportunity to teach a second subject. During this extended field experience you will have the opportunity to develop the reflective dimension of your practice through the experience of implementing a small-scale research project.

Credit points: 48 **Campus:** Institut Perguruan Bahasa-Bahasa Antarabangsa **Teaching period:** 2011 SEM-2

EDZ021 Primary School Music (Complementary Studies)

Primary School Music paper is offered as a subject for young learners to require an understanding of musical concepts, singing, playing the recorder, producing short plays and integrating music with other subject areas. This unit will help develop a basic musical knowledge and understanding of how music can be used as a tool to enhance the teaching and learning of primary school children.

Credit points: 12 **Teaching period:** 2011 SEM-1

EDZ022 Planning and Teaching Mathematics (Complementary Studies)

This unit is designed to help pre-service teachers to learn about planning and teaching mathematics in Malaysian primary school. The content of this unit will provide an opportunity for you to begin planning an effective mathematics lesson.

Credit points: 12 **Teaching period:** 2011 SEM-1

EDZ023 Primary Science Curriculum and Pedagogies (Complementary Studies)

This unit is designed to help pre-service teachers to develop an understanding on issues of the Primary Science Education in Malaysia. It provides the opportunity to understand the Malaysian Primary Science Curriculum; its historical development, organisation, rationale, emphases and scopes. Best practices for effective science teaching will be explored in various learning strategies and methods that are used for primary science curriculum. The content of this unit is inclusive of strategies for adapting science instruction to the needs of learners from cultural diverse population, gender differences, learner differences and exceptional children with physical disabilities, gifted and talented in the classroom through curriculum development.

Credit points: 12 **Teaching period:** 2011 SEM-1

EDZ602 Advanced Seminars

This unit provides for the special needs and interests of students, and provides an opportunity for students to engage in an advanced seminar series. This allows students the possibility of studying in a group with academic staff to develop expertise in a specific area, working with visiting scholars with special expertise, involvement in special seminars and conferences occurring in Australia and overseas, or working in particular research projects that are running for a limited time.

Credit points: 12

EDZ604-1 Facilitated Study Unit

The aim of this unit is 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 will engage you in a comprehensive examination of relevant theory, research, policy, and/or practice in the area of investigation. The unit also aims to develop your skills and understandings about how issues of professional interest can be explored and reported for professional and academic audiences.

Credit points: 12 **Campus:** Papua New Guinea

EDZ604-2 Facilitated Study Unit

The aim of this unit is 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 will engage you in a comprehensive examination of relevant theory, research, policy, and/or practice in the area of investigation. The unit also aims to develop your skills and understandings about how issues of professional interest can be explored and reported for professional and academic audiences.

Credit points: 12 **Campus:** Papua New Guinea

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.

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.

Credit points: 12 **Contact hours:** 1 **Campus:** Gardens Point

EEP201 Fundamentals of Power System Earthing

This unit includes the following: electrode resistance, potential gradient areas of common types of electrodes; multiple electrodes; stratified grounds electric shock; calculation of step and touch potentials; introduction to substation earthing; ground potential rise; connection of services; grid and mesh potentials; measurement of soil resistivity and electrode resistance; earthing of transmission lines; tower foot resistance; current division between ground and aerial earth wires; division of earth currents at substations; earth current distribution on faulted lines; distribution systems; MEN; SWER; safety during faults; flow of lightning currents to ground.

Credit points: 4 **Contact hours:** 15 hours short course/distance education **Campus:** Gardens Point
Teaching period: 2011 5TP3 and 2011 5TP7

EEP205 Power System Fault Calculations

G o t o :
http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching period:** 2011 5TP1 and 2011 5TP8

EEP206 Project Management

G o t o :
http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

EEP208 Economic Analysis for Power Systems Engineers

G o t o :
http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching period:** 2011 5TP4 and 2011 5TP9

EEP209 Power System Harmonics

G o t o :
http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2 and 2011 5TP9

EEP210 Abnormal System Voltages

G o t o :
http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching period:** 2011 6TP5

EEP211 Basic Power System Protection

G o t o :
http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching period:** 2011 5TP1, 2011 5TP5 and 2011 5TP8

EEP212 Advanced Power System Protection

G o t o :
http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching period:** 2011 5TP3 and 2011 5TP7

EEP213 Statistics

G o t o :
http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching period:** 2011 5TP4 and 2011 5TP7

EEP215 Reliability

G o t o :
http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching period:** 2011 5TP7

EEP216 Overhead Line Design - Electrical

G o t o :
http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching period:** 2011 5TP5 and 2011 5TP9

EEP217 Overhead Line Design - Mechanical

G o t o :
http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching period:** 2011 5TP5 and 2011 5TP9

EEP218 Introduction to Automated System Control and Supervisory Systems

G o t o :
http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching**

period: 2011 5TP3 and 2011 5TP7

EEP219 High Voltage Substation Equipment, Power

Go to : http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching period:** 2011 5TP3 and 2011 5TP8

EEP220 Distribution Planning

Go to : http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching period:** 2011 5TP4 and 2011 5TP9

EEP224 Underground Cable Engineering

This unit includes the following: frequency control and AGC under normal load conditions; operation under emergency and contingency conditions; black starting; load shedding philosophy; generation operation; contract fuel prices; variations; automatic generation control systems; analysis of power station operating costs; establishment of optimum operating costs; management of forced outages; management of resources to restore system to normal in minimum time; abnormality control to prevent plant damage and maintain safety; logging and reporting of forced outages; coordination of planned outages including assessment of risks and contingency planning; control of reactive power and voltage levels under normal and abnormal conditions; load reduction.

Credit points: 4 **Contact hours:** 15 hours short course/distance education **Campus:** Gardens Point **Teaching period:** 2011 5TP3 and 2011 5TP8

EEP241 Distance Protection

Go to : http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching period:** 2011 5TP4 and 2011 5TP7

EEP244 Circuit Breakers - Switchgear

Go to : http://www.bee.qut.edu.au/study/cpe/pestc/course_units/course_units.jsp

Credit points: 4 **Campus:** Gardens Point **Teaching period:** 2011 5TP3 and 2011 5TP8

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.

Prerequisites: BSB113 or CTB113 **Equivalents:** EFX201

Credit points: 12 **Contact hours:** 3 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: BSB123 or BSB122 or MAB126 or (BSB110 and BSB113) **Antirequisites:** EFB206 **Equivalents:** EFX210 **Credit points:** 12 **Contact hours:** 3 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

EFB222 Quantitative Methods For Economics and Finance

This unit will provide students with the necessary background for advanced study in economics, econometrics and finance. It should also enable them to use basic mathematical and statistical techniques for economic and financial analysis and enable the confident and independent use of these skills. Students will be helped to understand the use of these techniques with reference to real world applications drawn from the fields of economics and finance.

Prerequisites: BSB122 or CTB122, or BSB123 or MAB101 or MAB233 **Antirequisites:** EFB101 **Equivalents:** EFX222 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: BSB113 or CTB113 or UDB104
Equivalents: EFB102 EFX223 **Credit points:** 12
Campus: Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

EFB224 Equity Trading Game

The aim of the unit is to help students move away from the dualistic black and white way of thinking, towards being able to see issues from a range of viewpoints and perspectives, thereby enhancing their critical and technical ability.

Additionally, the unit aims to help improve the student research ability through the delivery of a large scale academic style portfolio that reflects their transition from theory to strategy and trading and reflection.

The unit is NOT designed to be taken as a traditional book learned class. Reading and knowledge is gained from many sources including case studies, books, journals and newspapers.

Prerequisites: BSB113 or BSB123 **Antirequisites:** EFN424 **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.

Prerequisites: (BSB119 or CTB119) or BSB116, and (BSB113 or CTB113) or (BSB122 or CTB122)

Antirequisites: EFB312, MIB202 **Equivalents:** IBB202 EFX240 **Credit points:** 12 **Campus:** Gardens Point

Teaching period: 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: EFB210, EFB222 **Equivalents:** EFX307

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EFB307 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: EFB307 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: EFB210 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: EFB210 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: EFB210 **Antirequisites:** EFB212, IBB202, EFB240 **Equivalents:** EFX312 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EFB210 **Credit points:** 12 **Contact**

hours: 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

EFB330 Intermediate Macroeconomics

This unit develops an analytical framework which can be used to understand and evaluate the macroeconomic performance of the Australian economy. It also provides extensive discussion of the monetary and fiscal policy approaches that are taken to maintain a sustainable economy with low inflation and low unemployment. Key issues addressed include unemployment, inflation, economic growth, saving and the balance of payments.

Prerequisites: EFB223 or EFB102 **Equivalents:** EFB202 EFX330 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

EFB331 Intermediate Microeconomics

This unit is designed to develop students' understanding of microeconomics and its applications at the intermediate level. More specifically, the theoretical and empirical content of this unit provides the basis for understanding the decisions and actions of consumers, firms and governments in modern economies. Furthermore, the unit provides an appreciation of the range of issues to which economics may usefully be applied to improve managerial decision-making and the formulation of public policy to improve the welfare of the community.

Prerequisites: EFB223 or EFB102 **Equivalents:** EFB211 EFX331 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

EFB332 Applied Behavioural Economics

This unit is designed to expose students to current and practical applications of behavioural economics that can be used to improve the understanding of important topics in the area of sports, arts and entertainment. It uses an economic approach to explore topics such as superstardom, fakes, fads and herding behaviour, favouritism, awards and creativity, pressure, pay and performance, positional concerns or outcome uncertainty. The theories and methodological tools learned in this unit can also be applied to other economic areas and industries.

Prerequisites: EFB223 or EFB102 **Equivalents:** EFX332 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

EFB333 Introductory Econometrics

Economics and finance graduates require some knowledge of econometrics to assist them in the application and testing of behavioural models and to provide quantitative forecasts for informed decision making. This unit aims to provide an introduction to a range of econometric techniques appropriate for students studying economics and finance. The unit will provide an understanding of some core underlying theoretical issues essential for competent econometric modelling and then introduce students to a set of techniques tailored specifically to the needs of economics and finance students.

Prerequisites: EFB222 or EFB101 **Antirequisites:** EFB200 **Equivalents:** EFX333 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

EFB334 Environmental Economics and Policy

The unit introduces students to some of the current environmental and natural resource issues confronting society and how planners and decision-makers could better understand and address these problems using economics. This unit demonstrates that economics has a major role to play in helping us to understand and solve some of the environmental problems facing societies. It will be demonstrated that economics can often be used to help protect the environment rather than harm it. The unit would benefit those who wish to work either in the public or the private sector.

Prerequisites: EFB223 or EFB102 **Equivalents:** EFX334 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

EFB335 Investments

This unit advances the students' understanding of how investment decisions are made, what securities to invest in, how they fit in a portfolio, what is the impact of transaction costs, the risks associated with investing and performance evaluation of the investment process. This unit aims to provide students with an intermediate to advanced level of investment decision making skills which are essential for finance students in their personal and professional lives.

Prerequisites: EFB307 **Antirequisites:** EFB318 **Equivalents:** EFX335 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

EFB336 International Economics

International economics advances student understanding of global markets and positions through theories and analyses of trade, intervention, currencies, current transactions, capital positions and obligations in an interdependent world. Through considerations of international positions and competitiveness the unit develops a framework for understanding of the prospects and challenges facing firms, organisations, institutions and governments active in the international economy and of the wider issues of global progress and stagnation.

Prerequisites: EFB330 or EFB202, and EFB331 or EFB211 **Antirequisites:** EFB314 **Equivalents:** EFX336 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

EFB337 Game Theory and Applications

This unit presents the basic concepts of game theory and its application to economic phenomena, focussing on how individuals and firms deal with uncertainty and situations involving strategic interactions. The theoretical concepts are illustrated with applications from both the private and public sectors. Contents include the economics of uncertainty and information, asymmetric information, auctions, bargaining, markets and competition.

Prerequisites: EFB331 or EFB211 **Equivalents:** EFX337 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

EFB338 Contemporary Application of Economic Theory

EFB338 is a unit designed to summarize your studies in economics. The unit comprises usually of three or more topics of current research in economics. The topics cover

micro and macro economics, trends in current theoretical, empirical and economic policy research. The unit is designed to develop your ability to summarise, evaluate and criticise research findings as well as to introduce you to how research in economics evolves to allow you to keep up with the progress made in economics after your degree.

Prerequisites: EFB222 or EFB101, EFB223 or EFB102, EFB330 or EFB202, and EFB331 or EFB211

Equivalents: EFB329 EFX338 **Credit points:** 12

Campus: Gardens Point **Teaching period:** 2011 SEM-2

EFB339 Financial Planning and Investments

Prerequisites: EFB210 **Antirequisites:** AYB250

Equivalents: EFB230 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

EFB340 Finance Capstone

This unit is designed to encompass the theory and knowledge gained in the entire Finance Major. The topics included in this unit are project evaluation, investment analysis, corporate valuation and advanced financial decision making. This unit aims to provide students with the forum to practice their finance skills in an applied setting which acts as a bridge between university studies and real-world employment in the financial services industry.

Prerequisites: EFB307 and EFB335. EFB335 can be enrolled in the same teaching period. **Equivalents:** EFX340 **Credit points:** 12 **Campus:** Gardens Point

Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Other requisites: Subject to Unit Coordinator Approval. Students are required to complete a minimum of 192 credit points of study and must seek approval from a potential supervisor and unit coordinator prior to enrolment. **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

EFB342 Workplace Experience in Economics and Finance

This unit aims to expose students to an organisational setting in the fields of economics and finance where theoretical knowledge is applied to solving real world problems. In the process of application, students' understanding of their learned knowledge will be enhanced. The unit will also help students appreciate the provisional nature of knowledge and the importance of dealing with incomplete information, ambiguity/complexity of information, and their social and ethical issues in these fields.

Other requisites: Subject to Unit Coordinator approval of an appropriate placement within industry; and GPA: 4.5 or above; and EFB307 or (EFB202 or EFB330 and EFB331 or EFB211) **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: GSN203, GSN411, GSN414, GSN491, GSN492 and GSZ491 **Equivalents:** EFX405 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: GSN413, GSN423, GSZ413

Equivalents: EFX406 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: EFN412 **Antirequisites:** AYN419, EFN503 **Equivalents:** EFX410 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 & 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; forwards, futures, options, warrants, convertibles and risk management using financial derivatives.

Prerequisites: EFN406 **Credit points:** 12 **Contact**

hours: 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EFN406 **Antirequisites:** EFN417
Equivalents: EFX414 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

EFN415 Security Analysis and Portfolio Management

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.

Prerequisites: EFN406 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EFN406 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: EFB101 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point

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.

Equivalents: EFX420 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

EFN422 Economics and Data Analysis

Antirequisites: EFB101, EFN405, EFN419, GSN403, GSN411, GSN414, GSN491 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

EFN424 Equity Trading Game

The aim of the unit is to help students move away from the dualistic black and white way of thinking, towards being able to see issues from a range of viewpoints and perspectives, thereby enhancing their critical and technical ability.

Additionally, the unit aims to help improve the student research ability through the delivery of a large scale academic style portfolio that reflects their transition from theory to strategy and trading and reflection.

The unit is NOT designed to be taken as a traditional book learned class. Reading and knowledge is gained from many sources including case studies, books, journals and newspapers.

Antirequisites: EFB224 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Other requisites: Unit Coordinator Approval and undergraduate degree with a major in Economics or Finance required to enrol **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

EFN501 Corporate and Commercial Lending

This unit covers the theory and practice of lending by commercial banks to firms. Topics include the nature of financial intermediation, basic loan structure, costs of lending, lender's compensation, and loan terms and conditions.

Prerequisites: EFN412 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Other requisites: Unit Coordinator Approval and undergraduate degree with a major in Economics or Finance required to enrol **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: EFN511 **Other requisites:** Unit Coordinator Approval and undergraduate degree with a major in Economics or Finance required to enrol **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.

Prerequisites: EFN415 **Equivalents:** EFX505 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: EFN406 and EFN412 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: BSN506 **Other requisites:** Unit Coordinator Approval and undergraduate degree with a major in Economics or Finance required to enrol **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

EFN509 Policy Economics and Evaluation

This Economics Honours unit lays emphasis on economic policy and evaluation. The primary purpose of this unit is to focus on the application of microeconomic and macroeconomic principles to informing contemporary commercial, economic and social policy in Australia, and the global economy. This unit has a strong focus and will illustrate in a practical manner how economic tools can be used to assess policy issues and to evaluate potential solutions. The unit will complement theory with appropriate tools of analysis (inclusive of both analytical methods and model-based arguments).

Prerequisites: EFN500, EFN502 and EFN508 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

EFN510 Econometric Methods 2

This unit builds on *EFN508 Econometric Methods* and provides a second unit in applied econometrics. While *EFN508* is essentially single equation based, this unit focuses on non-linear estimation and systems of equations.

Prerequisites: EFN508 or BSN506 **Credit points:** 12 **Campus:** Gardens Point

EFN511 Finance Theory

This unit provides an advanced coverage of the theory of finance, building on work done in the undergraduate course. Topics include: basic utility theory and risk aversion, investment decision, market equilibrium, the capital asset pricing model, arbitrage pricing theory, and multiperiod investment decisions. The unit provides a theoretical basis for further specialisation in this area.

Equivalents: EFN504 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

EFN512 Asset Pricing

This unit provides an advanced coverage of the empirical asset pricing literature, building on work done in Finance Theory and Econometric Methods. The unit will provide a

broad coverage of key empirical work in a broad range of asset pricing and risk management, with topics including: understanding the distribution of financial returns, testing asset pricing models, stochastic discount factors, momentum, and aspects of financial risk management.

Prerequisites: EFN508 and EFN511 **Credit points:** 12
Campus: Gardens Point **Teaching period:** 2011 SEM-2

EFN513 Corporate Finance

This is an advanced unit in Corporate Finance. The primary purpose of this unit is to expose and familiarise students to the major literature and recent developments in the theory of corporate finance. This unit has a strong focus on research and covers a number of major subject areas in corporate finance, including capital raising, capital structure, payout policy, mergers and acquisitions, and corporate governance.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

ENB100 Engineering and Sustainability

This unit introduces you to the essential professional skills and practices of engineers in the context of sustainable development.

Antirequisites: DEB100 and UDB100 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-1 and 2011 SEM-2

ENB110 Engineering Statics and Materials

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-1 and 2011 SEM-2

ENB120 Electrical Energy and Measurements

This unit introduces you to basic electrical circuit concepts. It requires you to perform circuit analysis, circuit synthesis, and the measurement and testing of relevant quantities within circuits.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2 and 2011 SUM

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.

Assumed knowledge: MAB126 or MAB180 or MAB131, and ENB101 or ENB110 is assumed knowledge.

Equivalents: MMB251 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2

ENB130 Mechanical and Thermal Energy

Engineers work with numerous kinds of systems where consideration must be given to the motion within, and associated energy of, the system. This unit introduces the student to the concepts of mechanical and thermal energy

in the context of real engineering systems. The inter-relationships of between forces, motion and energy is described as related to the flow of energy within these engineering systems. After an introduction to engineering units, concepts and data, Newton's first and second laws are used in the description of system motion and the concepts of force and energy, conservation of momentum and conservation of energy are introduced and described. Thermodynamic processes, certain thermo-physical parameters and the first and second law of thermodynamics are introduced and used to describe simple engineering systems. This is then expanded to include the generation and transport of energy through these systems in terms of convection, conduction and radiation heat transfer.

Equivalents: PCB150 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-1

ENB150 Introducing Engineering Design

This unit introduces you to engineering design. A multi-disciplinary approach is taken with an emphasis in engineering systems, technical design and project management.

Assumed knowledge: ENB110 is assumed knowledge.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2

ENB200 Introducing Engineering Systems

This unit will enable you as a graduating Built Environment and Engineering professional to take active and positive steps to transform professional practice in ways that promote the sustainability of our planet, our economy and our society. As future professionals in the fields of Design, Urban Development and Engineering Systems, you will need to understand and apply the concepts of sustainability in your professional practice if we are to achieve sustainable development in the 21st Century.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

ENB205 Electrical and Computer Engineering

This unit introduces single and three phase power, electrical machines, principles of transformers, electronic circuits and sensors, filters, operational amplifier applications. It also covers computing fundamentals, programming in MATLAB and Excel using applications in electrical and computer engineering.

Prerequisites: ENB120 or ENB103 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2

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.

Prerequisites: (MAB126 or MAB180 or MAB131) and (ENB130 or PCB136 or PCB150) **Assumed knowledge:** ENB110 or ENB101 are assumed knowledge.

Equivalents: MMB112 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-1

ENB212 Strength of Materials

This unit introduces the analysis of stress and strain in simple engineering components and systems such as uniaxial and bending stresses, deflection of beams, torsion, thin walled structures, combined loading, yield criteria, and introduces the finite element method (FEA).

Prerequisites: ENB110 or ENB101 and ENB104 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: MAB126 or MAB180 or MAB131, and ENB101 or ENB110, and ENB104 or ENB110 are assumed knowledge. **Equivalents:** MMB281 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

ENB221 Fluid Mechanics

This unit introduces the basic concepts of fluid mechanics and applies them to some simple engineering problems.

Assumed knowledge: MAB126 or MAB180 or MAB131, and ENB101 or ENB110 are assumed knowledge. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: MAB127 or MAB182 or MAB132, and ENB130 or PCB136 are assumed knowledge. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

ENB231 Materials and Manufacturing 1

Materials and their engineering applications, Manufacturing systems and technology, material properties and manufacturing, material selection, failure, graphical communication.

Assumed knowledge: ENB104 or ENB110 is assumed knowledge. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB103 or ENB120 **Equivalents:** EEB312 **Credit points:** 12 **Contact hours:** 5 per week

Campus: Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB246 or INB104 **Equivalents:** EEB612 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: (ENB120 or ENB103) and (MAB126 or MAB110 or MAB111) **Equivalents:** EEB340 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: ENB120 and MAB126 **Assumed knowledge:** ENB240 is assumed knowledge. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB240 **Assumed knowledge:** ENB246 or INB104 is assumed knowledge. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: ENB240 and ENB246 or INB104 is assumed knowledge. **Equivalents:** EEB584 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: MAB126 or MAB180 or MAB131, and ENB103 or ENB120 is assumed knowledge. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

ENB250 Electrical Circuits

This unit introduces you to electrical circuit analysis. It shows how to determine the transient and steady state solution in single and three phase circuits as well as the interaction of fluxes and currents in transformers and electrical machines.

Prerequisites: ENB120 **Antirequisites:** ENB103 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

ENB270 Engineering Mechanics of Materials

This unit introduces calculating the stress produced in various members of a structural system due to the forces applied to them, and how to determine the design specifications (size and shape) of the members to withstand the forces to prevent the structural system failing.

Prerequisites: ENB101 or ENB110 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB102 or ENB270 (can be enrolled in the same teaching period) **Assumed knowledge:** ENB101 or ENB110 are assumed knowledge. **Equivalents:** CEB207 **Credit points:** 12 **Contact hours:** 4 per week **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.

Assumed knowledge: ENB102 or ENB270 are assumed knowledge **Equivalents:** CEB209, CEB232 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB270 or ENB102. ENB270 can be studied concurrently. **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: BEB200 or ENB200 or ENB100 or UDB100 or SCB110 **Assumed knowledge:** ENB271 is assumed knowledge. **Equivalents:** CEB214 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: ENB271 and ENB273 are assumed knowledge. **Equivalents:** CEB216 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB102 or ENB270 **Assumed knowledge:** ENB273 and ENB271 is assumed knowledge.

Equivalents: CEB215 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

ENB280 Hydraulic Engineering

This unit primarily provide a basic understanding of hydraulic (fluid) principles and an understanding of the use of these principles in engineering applications. The main topics to be covered are: Units and properties of fluids, Forces in static fluids, Buoyancy, Kinematics and continuity, The energy equation and the momentum equation; Similitude and dimensional analysis, Lift and drag, Frictional flow in pipes, Application of pipe resistance formulae, Fitting.

Assumed knowledge: MAB126 or MAB180 or MAB131, and ENB101 or ENB110 are assumed knowledge. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: MAB126 or MAB182 or MAB132

Assumed knowledge: ENB105 or ENB205 or ENB243 are assumed knowledge. **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB102 or ENB212 **Equivalents:** MMB212 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB211 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

ENB313 Automatic Control

This unit introduces you to the theory and practice of control systems engineering. The unit introduces system modelling principles for mechanical, electrical and electromechanical systems, using the Laplace transform to build transfer-function models of system components. The unit emphasizes the practical application of control theory to the analysis and design of feedback systems to ensure stability, reduce steady state errors and improve transient response.

Prerequisites: ENB211 **Antirequisites:** ENB301 **Assumed knowledge:** ENB312 is assumed knowledge. **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

ENB314 Industrial Noise and Vibration

The unit is about the study of noise and vibration measurement and control which is experienced in industry. It includes a basic understanding of the theories and capable of modelling and predicting noise and vibration in an industrial environment. This unit will provide you with sufficient experience in instrumentation and measurement of noise and vibration and to apply them in industry.

Prerequisites: ENB312 **Assumed knowledge:** MAB127 or MAB132 or MAB182 are assumed knowledge. **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).

Prerequisites: ENB316 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB215 **Equivalents:** MMB381 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB316 **Equivalents:** MMB382 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB211 **Assumed knowledge:** LSB131 and LSB451 are assumed knowledge. **Equivalents:** MMB391 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB215 **Equivalents:** MMB392 **Credit points:** 12 **Contact hours:** 4 per week **Campus:**

Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB201 or ENB221 **Equivalents:** MMB352 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB201 or ENB221 **Equivalents:** MMB362 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

ENB331 Materials and Manufacturing 2

ENB331 is a third year unit which extends the formative body of knowledge gained in ENB231 and introduces the shear deformation mechanisms of engineering material and how these properties can be used to understand the mechanics of metal cutting. Descriptive and analytical information about different material removal processes is provided to the student through lectures, tutorials and case studies. The unit also provides the student with an excellent opportunity to apply the knowledge in the design and manufacture of a component.

Prerequisites: ENB231 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: MMB476 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: ENB231 is assumed knowledge.

Equivalents: MMB374 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

ENB335 Modelling and Simulation For Medical Engineers

Traditional experimentation techniques can often not be applied to investigate the mechanics of biological systems. Medical engineers are often then required to use modelling and simulation techniques to understand the behaviour of biomechanical components and/or systems. This unit introduces you to some of the fundamental principles of modelling and simulation techniques and their applications in Biomedical Engineering.

Prerequisites: ENB318 **Equivalents:** MMB496 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: MAB233 is assumed knowledge.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: LSB131, LSB451 and ENB231 are assumed knowledge. **Equivalents:** MMB292 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

ENB339 Introduction to Robotics

This unit introduces you to the components, systems and mathematical foundations of robotics. The unit introduces the technologies and methods used in the design and programming of modern intelligent robots, and encourages critical thinking about the use of robotic technologies in various applications. The unit emphasizes the practical application of robotic theory to the design and synthesis of robotic systems that respond accurately and repeatably.

Assumed knowledge: ENB201 or ENB221 and ENB222 are assumed knowledge. **Equivalents:** MMB451

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB103 or ENB250 **Credit points:** 12

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

Teaching period: 2011 SEM-1

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.

Prerequisites: ENB242 **Assumed knowledge:** ENB243 and ENB246 are assumed knowledge. **Credit points:** 12

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

Teaching period: 2011 SEM-1

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.

Prerequisites: ENB103 or ENB250 **Assumed knowledge:** MAB127 or MAB182 or MAB132 is assumed knowledge. **Equivalents:** EEB641 **Credit points:** 12

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

Teaching period: 2011 SEM-1

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.

Prerequisites: ENB240 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB245 **Equivalents:** EEB684 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB342 **Assumed knowledge:** MAB233 is assumed knowledge. **Equivalents:** EEB560 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB348 **Equivalents:** EEB535 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 subsystems. As part of this, methods for modelling the dynamic behaviour of aircraft, missiles and spacecraft are introduced, along with the criteria for stability.

Prerequisites: MAB127 or MAB182 or MAB132
Assumed knowledge: ENB121 and ENB140 are assumed knowledge. **Equivalents:** EEB431 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB244 **Equivalents:** EEB566 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB350 **Equivalents:** EEB666 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: EEB585 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB354 **Equivalents:** EEB685 **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB343 **Assumed knowledge:** ENB244 is assumed knowledge. **Equivalents:** EEB831 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB272 **Equivalents:** CEB322 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: ENB271 and ENB274 are assumed knowledge. **Equivalents:** CEB317 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB375 **Assumed knowledge:** ENB271 is assumed knowledge. **Equivalents:** CEB329 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB102 or ENB270 or ENB276

Assumed knowledge: ENB273 is assumed knowledge.

Equivalents: CEB318 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: ENB274 and ENB372 are assumed knowledge. **Equivalents:** CEB323 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB201 or ENB280 **Assumed knowledge:** ENB274 is assumed knowledge.

Equivalents: CEB321 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB201 or ENB280 **Equivalents:** CEB319 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: ENB274 and ENB372 are assumed knowledge. **Equivalents:** CEB419 **Credit points:** 12

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

Teaching period: 2011 SEM-1

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.

Prerequisites: ENB383 **Assumed knowledge:** BEB200 or ENB200 are assumed knowledge. **Equivalents:** CEB416 **Credit points:** 12 **Contact hours:** 4 per week

Campus: Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: ENB275 is assumed knowledge.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB381 **Assumed knowledge:** ENB271 and ENB273 are assumed knowledge. **Equivalents:** CEB513 **Credit points:** 12 **Contact hours:** 4 per week

Campus: Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: ENB274 or ENB200 or BEB200 is assumed knowledge **Equivalents:** CEB418 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

ENB384 Design of Masonry Structures

Historic development & Modern Masonry; Constituent Materials – testing standards; Design for durability; Limit state design principles – 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 – in-plane behaviour, shear walls & construction detailing; Reinforced masonry – design for flexure, in-plane and out-of-plane shear; Design for compression & slender walls; Novel designs – prestressed masonry, dry-stack masonry, thin bed masonry, geometrical sections, cavity walls and diaphragm walls; Case study - industrial building / medium rise apartment building.

Prerequisites: ENB102 or ENB270 **Equivalents:** CEB516 **Credit points:** 12 **Contact hours:** 4 per week

Campus: Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB222 and ENB321 **Equivalents:** MMB351 **Credit points:** 12 **Contact hours:** 4 per week

Campus: Gardens Point **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: ENB201 or ENB221 and ENB222 are assumed knowledge. **Equivalents:** MMB451

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

ENB423 Heating, Ventilation and Air-Conditioning

Heating, Ventilation and Air Conditioning (HVAC) is closely related to human habitation, comfort and productivity. It also consumes considerable amount of energy. With increasing global warming, it is becoming one of the most important engineering systems in modern buildings.

This unit will introduce you basic principles of HVAC and refrigeration systems. It will discuss the design factors and

practices related to the design and operation of HVAC systems. It will also provide you with other relevant knowledge commonly used in the building services industry. This course should therefore provide you a good basis to undertake further study, research and professional work in this field.

Prerequisites: ENB201 or ENB221 or ENB222 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: MAB233 is assumed knowledge.

Equivalents: MMB470 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

ENB433 Plant and Process Design

The unit is of great assistance to graduates who will work in one of the many industry where Mechanical Engineers are concerned with Plant and Process Design. These industries use heat exchangers, piping systems and cooling towers intensively. This would include power stations, mineral processing, sugar/processing and refinery/chemical industries. The unit is taught by university and industry specialists who have considerable experience in their chosen field.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

ENB434 Tribology

Tribology is the study of friction, wear and lubrication. In this unit, the knowledge you acquire is applied to solve problems prevalent in engineering. Topics covered range from the theory of friction, lubricant properties and chemistry, to the control of friction and wear by proper selection of both materials and lubricants.

Prerequisites: ENB201 or ENB221 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: ENB231 and MAB233 are assumed knowledge. **Equivalents:** MMB471 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB334 **Equivalents:** MMB478 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: MMB492 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

ENB440 RF Techniques and Modern Applications

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.

Prerequisites: ENB343 **Antirequisites:** ENB445

Assumed knowledge: ENB242 and ENB244 are assumed knowledge. **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB342 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching**

period: 2011 SEM-1

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.

Prerequisites: MAB127 or MAB182 or MAB132

Equivalents: EEB732 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB443 **Equivalents:** EEB833 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 IEEE802.11 standard.

Prerequisites: ENB343 **Assumed knowledge:** ENB242 and ENB244 are assumed knowledge. **Equivalents:** EEB766 **Credit points:** 12 **Contact hours:** 5 per week **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.

Prerequisites: ENB346 **Equivalents:** EEB960 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: MAB127 or MAB182 or MAB132

Assumed knowledge: ENB343 and ENB346 are assumed knowledge. **Equivalents:** EEB835 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB342 **Assumed knowledge:** MAB233 is assumed knowledge. **Equivalents:** EEB941 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB343 **Equivalents:** EEB760 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB340 **Assumed knowledge:** ENB301 is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB340 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB340 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB344 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: MAB126 or MAB180 or MAB131 are assumed knowledge. **Equivalents:** EEB911 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB301 **Assumed knowledge:** This unit is limited to 30 enrolments **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB301 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB276 and ENB371 **Equivalents:** CEB424 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB275 **Assumed knowledge:** ENB372 is assumed knowledge. **Equivalents:** CEB412 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB275 and ENB375 **Assumed knowledge:** ENB471 is assumed knowledge. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB475 **Assumed knowledge:** ENB102 or ENB270 are assumed knowledge. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB276 and ENB375 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: (ENB371 and ((ENB372, ENB376, and ENB378) or EN40MJR-CVCOENG) **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB378 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: ENB275 **Assumed knowledge:** ENB372 is assumed knowledge. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: ENB371 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: MEN273 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

ENN515 Total Quality Management

Total Quality Management (TQM) has evolved beyond its roots in statistics and the quality control function. Today, many observers 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.

Equivalents: MEN177 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 5TP3

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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.

Equivalents: MEN272 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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 **Contact hours:** 40 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP4

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 **Teaching period:** 2011 6TP5

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 **Teaching period:** 2011 5TP7

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 **Teaching period:** 2011 6TP4

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.

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

Campus: Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: GSN204, MGN409 **Equivalents:** GSZ401 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP2 and 2011 6TP4

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.

Antirequisites: EFN409 **Equivalents:** GSZ403 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP1, 2011 6TP3 and 2011 6TP5

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.

Antirequisites: GSN202 **Equivalents:** GSZ404 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 5TP1, 2011 6TP2 and 2011 6TP4

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.

Equivalents: GSZ405 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP1, 2011 6TP3 and 2011 6TP5

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.

Equivalents: GSZ406 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP1, 2011 6TP2 and 2011 6TP5

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.

Antirequisites: CON404 **Equivalents:** GSZ407 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP2, 2011 6TP4 and 2011 6TP6

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.

Antirequisites: GSN206 **Equivalents:** GSZ408 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP1 and 2011 6TP5

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.

Antirequisites: MGN412 **Equivalents:** GSZ409 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP3 and 2011 6TP5

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.

Antirequisites: GSN300 **Equivalents:** GSZ410 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP2, 2011 6TP4 and 2011 6TP6

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 of, 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.

Antirequisites: AYN410, EFN413 **Equivalents:** GSZ412 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 5TP1, 2011 6TP2 and 2011 6TP6

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.

Prerequisites: GSN403 **Antirequisites:** EFN406 **Equivalents:** GSZ413 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP2 and 2011 6TP4

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.

Equivalents: GSZ415 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP3

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.

Prerequisites: GSN405, GSN410, and 84 credit points of MBA units (GSN% units) **Equivalents:** GSZ416 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP1, 2011 6TP3 and 2011 6TP5

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.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP1

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.

Prerequisites: GSN408 **Antirequisites:** GSN206 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP4

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.

Prerequisites: GSN405 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP1

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.

Prerequisites: GSN413 **Antirequisites:** EFN406 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP1 and 2011 6TP5

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.

Prerequisites: GSN415 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP4

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.

Equivalents: GSZ428 **Credit points:** 6 **Campus:** Gardens Point **Teaching period:** 2011 6TP4

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.

Prerequisites: GSN408 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP1 and 2011 6TP6

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.

Prerequisites: GSN413 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP3

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.

Prerequisites: GSN405 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP5

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.

Prerequisites: GSN413 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP2 and 2011 6TP6

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.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP5

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.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP2

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 associated publications, and through the preparation and presentation of a written project proposal.

Prerequisites: GSN442 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP3

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 **Teaching period:** 2011 6TP3

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.

Equivalents: GSZ445 **Credit points:** 6 **Teaching period:** 2011 6TP2 and 2011 6TP4

GSN455 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.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP2

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.

Antirequisites: GSN208 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP5

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.

Prerequisites: GSN412 **Antirequisites:** GSN229, GSN481 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP3

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 not have 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.

Prerequisites: GSN404, GSN412, and 84 credit points of MBA units (GSN% units) **Equivalents:** GSZ473 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP2, 2011 6TP4, 2011 6TP5 and 2011 6TP6

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.

Prerequisites: GSN405 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP3

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.

Prerequisites: GSN403 **Credit points:** 6 **Contact hours:** 3 hours per week **Campus:** Gardens Point **Teaching period:** 2011 5TP1 and 2011 6TP4

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.

Antirequisites: GSN472, GSN229 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP2

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.

Antirequisites: AMN480, GSN230 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP3

GSN484 Management for Philanthropic and Nonprofit Organisations

In the context of the multiple management challenges facing non-profit and philanthropic entities, this unit provides students with an introduction to contemporary thinking and practice in the effective and efficient management of organisations. While the focus is on non-profit management, wider management and organisational theory will be drawn on in order that proactive responses to situations, problems and dilemmas facing non-profit organisations can be developed by students.

Antirequisites: AMN480, GSN230 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP2

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.

Antirequisites: GSN231 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP4

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.

Antirequisites: GSN231 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP5

GSN487 Introduction to Social Enterprise

The nonprofit sector continues to mature and expand with the establishment of more sophisticated social enterprise programs. With significant reductions in the traditional sources of revenue, increasingly sophisticated competition and dramatic changes in expectations from clients and stakeholder groups, the need for effective strategy and implementation has grown. The unit offers a background to social enterprise and associated issues.

Antirequisites: AMN482 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP3

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.

Antirequisites: GSN232, MIN409, AMN481 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP4

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.

Prerequisites: GSN488 **Antirequisites:** GSN232, MIN409, AMN481 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP5

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.

Prerequisites: GSN405, and 42 credit points of MBA units (GSN% units) **Antirequisites:** GSN402 **Equivalents:** GSZ490 **Credit points:** 6 **Contact hours:** 3 per week

Campus: Gardens Point **Teaching period:** 2011 6TP3, 2011 6TP4 and 2011 6TP5

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.

Antirequisites: EFN405, GSN411, GSN414

Equivalents: GSZ491 **Credit points:** 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP2, 2011 6TP5 and 2011 6TP6

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.

Credit points: 6 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 6TP2

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 **Teaching period:** 2011 6TP6

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

Equivalents: GSZ501 **Credit points:** 6 **Teaching**

period: 2011 5TP2, 2011 5TP4 and 2011 5TP7

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.

Equivalents: GSZ502 **Credit points:** 6 **Campus:** Gardens Point **Teaching period:** 2011 5TP2 and 2011 5TP7

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. 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.

Equivalents: GSZ503, GSZ554 **Credit points:** 6 **Teaching period:** 2011 5TP2 and 2011 5TP7

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.

Equivalents: GSZ505 **Credit points:** 6 **Campus:** Gardens Point **Teaching period:** 2011 5TP3 and 2011 5TP4

GSN507 Developing and Leading High Performance 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.

Equivalents: GSZ507 **Credit points:** 6 **Campus:**

Gardens Point **Teaching period:** 2011 5TP3 and 2011 5TP7

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.

Equivalents: GSZ508 **Credit points:** 6 **Campus:** Gardens Point **Teaching period:** 2011 5TP3 and 2011 5TP4

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.

Equivalents: GSZ509 **Credit points:** 6 **Campus:** Gardens Point **Teaching period:** 2011 5TP4 and 2011 5TP5

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.

Equivalents: GSZ510 **Credit points:** 6 **Campus:** Gardens Point **Teaching period:** 2011 5TP5 and 2011 5TP7

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).

Equivalents: GSZ511 **Credit points:** 6 **Campus:** Gardens Point

GSN512 Strategically Managing Risk

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.

Equivalents: GSZ512 **Credit points:** 6 **Teaching period:** 2011 5TP5 and 2011 5TP7

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.

Equivalents: GSZ513 **Credit points:** 6 **Teaching period:** 2011 5TP5

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.

Equivalents: GSZ514 **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

Equivalents: GSZ515 **Credit points:** 6 **Teaching period:** 2011 5TP6

GSN516 Negotiation and Mediation 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.

Equivalents: GSZ516 **Credit points:** 6 **Teaching period:** 2011 5TP6

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.

Equivalents: GSZ517 **Credit points:** 6 **Teaching period:** 2011 5TP8

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.

Equivalents: GSZ518 **Credit points:** 6 **Teaching period:** 2011 5TP8

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.

Equivalents: GSZ519 **Credit points:** 6 **Teaching period:** 2011 5TP6

GSN520 Planning and Implementing Change

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.

Equivalents: GSZ520 **Credit points:** 6 **Teaching period:** 2011 5TP9

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.

Equivalents: GSZ521 **Credit points:** 6 **Teaching period:** 2011 5TP9

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.

Equivalents: GSZ522 **Credit points:** 6 **Teaching**

period: 2011 5TP9

GSN523 Stakeholder Engagement and the Media

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.

Equivalents: GSZ523, GSZ555 **Credit points:** 6
Teaching period: 2011 6TP5 and 2011 5TP9

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.

Equivalents: GSZ524 **Credit points:** 6 **Teaching period:** 2011 5TP8

GSN525 Understanding Complex Projects

The mission of the Executive Masters in Complex Project Management is to provide world class graduate business education and a stimulating learning experience to current and future business leaders. The aim of this unit is to explore the nature and challenges of complex projects, and to develop knowledge and skills in core disciplines such as strategy, portfolio and program management, non-traditional development and delivery methodologies, and quantitative and financial decision-making. Later units will build upon these foundations and deal with these topics in much greater depth.

Equivalents: GSZ525 **Credit points:** 6 **Campus:** Gardens Point

GSN526 Problem Solving in Complex Environments

The mission of the DMO executive education program is to provide world class graduate business education and a stimulating learning experience to current and future business leaders and managers. The aim of this unit is to assist managers to develop knowledge and skills through investigating and experiencing problem framing and problem solving in situations of incomplete information. Exploration involves experience of the principles, processes and practices of creative problem solving and the use of entrepreneurial thinking to identify and capture opportunities for business renewal. This unit will help students to increase

their understanding of the way in which insights from creativity and the field of entrepreneurship may be applied to complex project environments to generate opportunities and value.

Equivalents: GSZ526, GSZ556 **Credit points:** 6
Teaching period: 2011 5TP2 and 2011 5TP7

GSN527 Acquisition Strategies

Equivalents: GSZ527 **Credit points:** 6 **Teaching period:** 2011 5TP3 and 2011 5TP7

GSN528 Strategic Contract Management

Credit points: 6

GSN529 Intellectual Property Management

Equivalents: GSZ529 **Credit points:** 6 **Teaching period:** 2011 5TP5

GSN530 Managing Strategic Contracts and Suppliers

Equivalents: GSZ530 **Credit points:** 6 **Teaching period:** 2011 5TP6

GSN531 International Contracts

Equivalents: GSZ531 **Credit points:** 6 **Teaching period:** 2011 5TP8

GSN532 Contract Risk Allocation and Insurance

Equivalents: GSZ532 **Credit points:** 6 **Teaching period:** 2011 5TP9

GSN533 Financial Analysis and Decision Making

Equivalents: GSZ533 **Credit points:** 6 **Teaching period:** 2011 5TP5 and 2011 5TP7

GSN534 Building Organisational Capability

Equivalents: GSZ534 **Credit points:** 6 **Teaching period:** 2011 5TP6

GSN552 The Sustainable Business

The mission of the MBA and associated programs is to provide world class graduate business education and a stimulating learning experience to current and future business leaders and managers. The aim of this particular unit is to help managers develop a thorough understanding of the issues surrounding sustainable development and the implications of these issues for the long-term viability of business.

Equivalents: GSZ552 **Credit points:** 6 **Teaching period:** 2011 6TP4

GSN553 Business Leadership Practicum

The mission of the MBA and associated programs is to provide world class graduate business education and a stimulating learning experience to current and future business leaders and managers. The aim of this unit is to provide students with a rich learning experience that will enable them to develop advanced leadership insights derived from observations of, and strategic conversations with, a proven executive level leader from a government or corporate organisation over a ten month period. This unit also aims to provide a two-way exchange of ideas relating

to emerging, contemporary leadership issues and practices between the student and the executive leader.

Equivalents: GSZ553 **Credit points:** 6 **Teaching period:** 2011 6TP2

GSN554 Social Innovation and Entrepreneurship

Social innovation and entrepreneurship are emergent concepts in the field of philanthropy and nonprofit management, and in partnerships between nonprofits and other sectors. The aim of this unit is to develop a student's knowledge and skills to critically reflect on emerging trends in philanthropic and nonprofit practice, with a particular focus on social innovation and entrepreneurship.

Credit points: 6 **Campus:** Gardens Point **Teaching period:** 2011 6TP2

GSN555 Developing Social Ventures

Social ventures including social enterprises, social businesses and enterprising community initiatives are becoming increasingly popular mechanisms to: create social value in response to intractable social and environmental problems; generate new income streams for traditional nonprofits; and harness resources from across sectors to produce public benefits. This subject will hone students' practical skills in assessing and designing social ventures with regard for their purpose, context and business structures.

Prerequisites: GSN554 **Credit points:** 6 **Campus:** Gardens Point **Teaching period:** 2011 6TP3

GSN556 Contemporary Issues in Philanthropy

Trusts and foundations have the potential to be a force for the public good. This unit will examine the critical issues confronting those who wish to harness the resources, power and influence of such bodies to achieve their purposes and benefit the community.

Credit points: 6 **Campus:** Gardens Point **Teaching period:** 2011 6TP4

GSN557 Creative Philanthropy

This unit analyses and evaluates new philanthropic trends and introduces students to critical reflection of such notions. Students will gain the skills to undertake a broad review of philanthropic developments.

Prerequisites: GSN556 **Credit points:** 6 **Campus:** Gardens Point **Teaching period:** 2011 6TP5

GSZ401 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.

Antirequisites: GSN204 and MGN409 **Equivalents:** GSN401 **Credit points:** 6 **Teaching period:** 2011 6TP2

GSZ403 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.

Antirequisites: EFN409 **Equivalents:** GSN403 **Credit points:** 6 **Teaching period:** 2011 6TP3

GSZ404 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.

Antirequisites: GSN202 **Equivalents:** GSN404 **Credit points:** 6 **Teaching period:** 2011 6TP5

GSZ405 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.

Equivalents: GSN405 **Credit points:** 6 **Teaching period:** 2011 6TP2

GSZ407 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.

Antirequisites: CON404 **Equivalents:** GSN407 **Credit points:** 6 **Teaching period:** 2011 6TP2

GSZ408 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.

Antirequisites: GSN206 **Equivalents:** GSN408 **Credit points:** 6 **Teaching period:** 2011 6TP3

GSZ409 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.

Antirequisites: MGN412 **Equivalents:** GSN409 **Credit points:** 6 **Teaching period:** 2011 6TP3

GSZ412 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 of, 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.

Antirequisites: AYN410 and EFN413 **Equivalents:** GSN412 **Credit points:** 6 **Teaching period:** 2011 6TP5

GSZ415 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.

Equivalents: GSN415 **Credit points:** 6 **Teaching period:** 2011 6TP5

GSZ551 Negotiation Skills and Strategies

Negotiation is an important part of everyday management, and effective negotiation skills are indispensable for successful managers. This unit provides students with the conceptual framework to analyse the business negotiation process. Negotiation simulations will enable students to develop negotiation competence through experience. The exploration of negotiation practices in different contexts will better prepare students for negotiation in the increasingly globalised business environment.

Equivalents: GSN551 **Credit points:** 6 **Teaching period:** 2011 6TP6

GSZ554 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. 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.

Equivalents: GSN503 **Credit points:** 6 **Teaching period:** 2011 6TP6

GSZ556 Creative and Entrepreneurial Thinking

This unit provides opportunities for improving individual and group creative problem solving skills; to minimise barriers to creativity and generate possibilities for addressing commercial or operational problems; and for designing new operational environments through the use of creative and entrepreneurial thinking. This unit lays the groundwork for designing environments to identify and capture opportunities for operational performance improvement and business renewal.

Equivalents: GSN526 **Credit points:** 6 **Teaching period:** 2011 6TP6

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

HHB405 Honours Thesis 2

This unit includes supervised research and writing of the Honours dissertation, normally between 12,000 and 15,000 words.

Credit points: 24 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

HHB406 Honours Thesis 3

This unit includes supervised research and writing of the Honours dissertation, normally between 12,000 and 15,000 words.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

HHB407 Honours Seminar

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

HHN002 Graduate Seminar

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

HLB300 Independent Study

This unit provides the opportunity to substantively explore a topic or subject of personal academic interest within your discipline area. It enables you to extend your knowledge and understanding of a topic area that is not otherwise available as a formal unit of study within the course, and your skills in knowledge development and knowledge management.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Assumed knowledge: Completion of all coursework units is assumed knowledge. **Credit points:** 48 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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 **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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 **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

SUM

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.

Prerequisites: HLN703 **Credit points:** 24 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: PUN105 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Antirequisites: HLN705, PUN743 **Credit points:** 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1

2011 SEM-1 and 2011 SEM-2

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 **Campus:** Kelvin Grove and External

Teaching period: 2011 SEM-2

HLN720 Clinical Education in Health

This unit 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 **Campus:** Kelvin Grove and External

Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Assumed knowledge: Completion of all coursework units is assumed knowledge. **Credit points:** 24 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: HLN750-1 **Assumed knowledge:** Completion of all coursework units is assumed knowledge.

Credit points: 24 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: HLP101 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

HMB110 Introduction to Exercise and Movement Science

This unit introduces students to the field of exercise and movement science and allows students to develop knowledge and academic skills required both for undergraduate study and professional practice. Students will undertake structured tutorial activities on selected topics in exercise and movement science that include

measurement and observation, analysis, and the preparation of reports.

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: HMB171 and HMB315 **Credit points:** 12

Contact hours: 3 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: LSB131 or LSB231 or LSB255 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: LSB131 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Students wishing to enrol up to the beginning of January will need to email enquirieshms@qut.edu.au

Prerequisites: LSB231 or LSB142 **Credit points:** 12

Contact hours: 4 per week **Campus:** Kelvin Grove

Teaching period: 2011 SEM-2

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.

Prerequisites: LSB131 or LSB255 **Credit points:** 12

Contact hours: 4 per week **Campus:** Kelvin Grove

Teaching period: 2011 SUM-2 and 2011 SEM-1

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 psychosocial development; leadership and team cohesion.

Prerequisites: PYB100 or PYB012 or EDB002 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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.

Prerequisites: HMB172 or PUB201 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-1

HMB278 Foundations of Movement for Educators

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 **Teaching period:** 2011 SEM-2

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.

Prerequisites: LSB131 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: Completion of 24cp of Health Education units is assumed knowledge **Credit points:** 12
Contact hours: 3 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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
Teaching period: 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

HMB314 Alternative Physical Education

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.

Credit points: 12 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

HMB315 Games Based Learning in Physical Activity and Sport

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: HMB231 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

HMB338 Wellness Processes and Strategies

This unit examines the adoption of health behaviours that contribute to the attainment of optimal health, wellness and quality of life. It reviews how various dimensions of health and fitness together form the basis of an individual's well-being, and traces the achievement of a high level of wellness through awareness, education and growth.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: 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

Prerequisites: HMB272 and HMB274 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: HMB271 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

HMB373 Cardiorespiratory and Metabolic Disorders

This unit builds on foundation units to examine selected disorders of human movement that have a cardiorespiratory or metabolic basis. The unit identifies major features of each disease together with assessment methods, and forms the basis for subsequent units in clinical exercise prescription.

Prerequisites: HMB271, HMB272, HMB273, HMB274 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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

HMB378 Neurological, Psychological and Musculoskeletal Disorders

This unit builds on foundation units to examine selected disorders of human movement that have a neurological, psychological or musculoskeletal basis. The unit identifies major features of each disease together with assessment methods, and forms the basis for subsequent units in clinical exercise prescription.

Prerequisites: HMB271, HMB272, HMB273, HMB274
Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: 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.

Prerequisites: HMB273 **Credit points:** 12 **Contact hours:** 3-4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: HMB273 and HMB282 **Credit points:** 12
Contact hours: 4 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-1

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.

Prerequisites: HMB274 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

HMB385 Principles of Exercise Programming

This unit provides students with the knowledge and capacity to design and implement safe, effective evidence-based

exercise programs for individuals and groups in order to achieve specified goals. It is taught through lectures and practical laboratory classes. Assessment will be through group problem-solving exercises, an individual written report, and a final written examination.

Prerequisites: HMB382 **Credit points:** 12 **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.

Prerequisites: HMB292 **Credit points:** 12 **Teaching period:** 2011 SEM-2

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.

Prerequisites: HMB331 **Credit points:** 12 **Contact hours:** 3 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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. [Designated unit]

Prerequisites: HMB382 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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. [Designated unit]

Prerequisites: HMB470 **Credit points:** 36 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: HMB382 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

HMB481 Clinical Exercise for Cardiorespiratory and Metabolic Disorders

This unit covers the whole range of activities associated with the assessment and programming of exercise and activity for individuals with cardiorespiratory and metabolic disorders. The unit focuses on the screening, assessment, prescription and evaluation of exercise and activity in the treatment and management of these disorders, including disease-specific considerations.

Prerequisites: HMB373 and HMB382. HMB373 can be studied in the same teaching period. **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: HMB396 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Internet **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet **Teaching period:**

2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Campus:** Internet **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: 24 credit points of study in IX97 or IX99 is assumed knowledge. **Credit points:** 24

Campus: Internet **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

IFS301 Exchange Program - Business

Credit points: 6

IFS302 Exchange Program - Business

Credit points: 12 **Teaching period:** 2011 XCH-2

IFS303 Exchange Program - Business

Credit points: 12 **Teaching period:** 2011 XCH-2

IFS304 Exchange Program - Business

Credit points: 12 **Teaching period:** 2011 XCH-2

IFS305 Exchange Program - Business

Credit points: 12 **Teaching period:** 2011 XCH-2

IFS306 Exchange Program - Business

Credit points: 12 **Teaching period:** 2011 XCH-2

IFS307 Exchange Program - Business

Credit points: 12 **Teaching period:** 2011 XCH-2

IFS332 Exchange Program - Foreign Language
Credit points: 12 **Teaching period:** 2011 XCH-2

IFS333 Exchange Program - Foreign Language
Credit points: 12 **Teaching period:** 2011 XCH-2

IFS334 Exchange Program - Foreign Language
Credit points: 12 **Teaching period:** 2011 XCH-2

IFS335 Exchange Program - Foreign Language
Credit points: 12 **Teaching period:** 2011 XCH-2

IFS391 Exchange Program - Business
Credit points: 6 **Teaching period:** 2011 XCH-2

IFS392 Exchange Program - Business
Credit points: 12 **Teaching period:** 2011 XCH-2

IFS393 Exchange Program - Business
Credit points: 12 **Teaching period:** 2011 XCH-2

IFS394 Exchange Program - Business
Credit points: 12 **Teaching period:** 2011 XCH-2

IFS395 Exchange Program - Business
Credit points: 12 **Teaching period:** 2011 XCH-2

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.

Antirequisites: ITB361, INN101 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: ITB005 **Credit points:** 12 **Contact**

hours: 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: ITB002 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

INB104 Building IT Systems

Today's modern integrated technology is built on IT systems which run in a range of contexts (e.g. mobile computing, robotics, and web-based systems) using a range of technological solutions such as programming and scripting, databases, web development and network programming. This 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.

Antirequisites: ITB001 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: ITB360 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: INN122 **Equivalents:** ITB362 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

INB123 Project Management Practice

In your information technology career it is very likely that you will work on and lead project teams to achieve business outcomes. You will achieve more effective outcomes by employing a project management method. The aim of this course is to familiarise you with the PRINCE2® method so that you could successfully work within and lead project teams. At the conclusion of this unit you will may be eligible to sit the externally provided PRINCE2® Foundation and Practitioner accreditation examinations.

Antirequisites: INN500 **Assumed knowledge:** Completion of 48 credit points of an Undergraduate study is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: INN180, ITB750 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: INN181 **Equivalents:** ITB751, ITN751 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

INB182 Introducing Design

Please note: this unit is only available to BGIE (Bachelor of Games and Interactive Entertainment) students. The act of designing is a common link between many disciplines such as game design, software design, animation and character design, architecture, industrial design, etc. This unit offers a broad and generic introduction to the act of designing in a discipline context free environment.

This unit is designed to expose you to a range of experiences not possible within the confines of the usual university routine. It also calls upon you to exert physical and mental efforts that may be different in degree and nature to your usual coursework. Through these opportunities this unit seeks to introduce to you the ways of thinking like a designer.

Antirequisites: DEB101 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

INB201 Scalable Systems Development

Information technology is a key enabling tool in a rapidly evolving global economy. IT systems underpin innovation across a range of application areas including business, economics, science, engineering, education and the arts. In order to educate graduates in this climate, Scalable Systems Development adopts an integrated approach to provide broad hands-on experiences designed to orient students to the range of possibilities within the IT discipline.

This team-based unit is an extension of project work introduced in Building IT Systems. Within a concrete, project-based context students will encounter the practical challenges of designing and implementing a substantial IT system. The unit aims to increase students' awareness of the potential of IT in enabling innovation through providing active, constructive and challenging problem-based learning experiences.

Prerequisites: (INB102 or ITB005) and (INB104 or ITB001)

Assumed knowledge: Completion of 36cp of Breadth units is assumed knowledge **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: INB371 **Assumed knowledge:** Knowledge of programming in Java, C# or C++. Knowledge of basic data structures (stacks, queues, trees, linked lists, hash tables), complexity analysis **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

INB205 Special Topic 2

This unit introduces computational techniques involving numerical simulations and visualization. These skills will be applied to solve problems in a range of application areas. The programming language MATLAB will be used, along with the simulation environment NetLogo.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

INB210 Databases

Databases and database systems are essential items that support many aspects of everyday life in modern society. All graduates from a course in Information Technology will be expected by employers to understand the concepts and terminology of databases. The aim of this unit is to introduce you to the structure and role of databases in modern organisations.

Equivalents: ITB004, ITB115 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 trades—tools and methods used by a business analyst, as well as the soft skills—creativity 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).

Antirequisites: INN220 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: INB103 or ITB002 or INB120 or ITB360 **Antirequisites:** ITN241, ITN251 and ITN366 **Equivalents:** ITB366, ITB241 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

INB230 Information Retrieval Technology

TBA

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

INB250 Foundations of Computer Science

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. Most of the techniques are derived from the field of Discrete Mathematics and are the foundation of the discipline called Computer Science.

Assumed knowledge: Basic familiarity with set theory (Venn diagrams and set operators), elementary algebra (polynomial and summation expressions, exponents and logarithms, etc) and simple probability concepts (permutations and combinations). **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: ITB006 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: ITB161, ITB523, ITB623, ITN161 and INN255 **Equivalents:** ITB730 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: INB104 or ENB246 **Antirequisites:** ITB003, ITB112, ITB411, INN270 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: INB104 **Antirequisites:** INB373 and INN373 and ITB007 and ITB227 and ITN007 and ITN227 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: INB103 or INB181 **Equivalents:** ITB254 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: INB180 **Equivalents:** ITB016, ITN016 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: INB280 **Equivalents:** ITB017 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

INB282 Games Level Design

Prerequisites: INB281 **Credit points:** 12 **Teaching period:** 2011 SEM-1

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.

Prerequisites: INB201 **Antirequisites:** ITS020, INS010, INS011, INS012, INS020 **Assumed knowledge:** To be taken in your final year of the BIT. You must have completed at least 132 CPs of IT units, including at least two specialisation units. Normally you should have completed at least 192 CPs in a single degree or 288 CPs in a double degree **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

INB301 The Business of IT

As an IT professional you are more and more evaluated in terms of the business value that you produce. This unit will prepare you for professional practice by making you "business savvy," i.e. giving you the business knowledge and skills that will help you with your future career and job. In particular the unit will address three themes: (1) career planning and job applications, (2) entrepreneurship & innovation, and (3) business and IT strategy. You will be introduced to career development tools that enable you to self-manage your career and life. You will learn how to critically think about the requirements of a job and reflect upon your own experiences and learn how to communicate them. You will also learn about the entrepreneurial process of identifying a business opportunity and how to take advantage of that opportunity. In addition, you will gain an understanding of core strategic concepts and models, discuss typical strategy tools and then apply them to the 'Business of IT'.

Antirequisites: ITB009 **Assumed knowledge:** Completion of 120 credit points within BIT is assumed
Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

INB302 IT 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 students' 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 students' professional skills in report writing, oral communication, and visual communication.

Prerequisites: INB301 **Assumed knowledge:** Students are expected to have a solid IT background knowledge (e.g., completion of at least 192 credit points)

Equivalents: ITB010 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2 and 2011 SUM

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.

Prerequisites: Minimum Course GPA 5.000 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: INB371 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: INB101, INB102, INB103, INB104 and INB201 **Assumed knowledge:** As a minimum requirement you must have completed at least 132 credit points of IT units, including INB101, INB102, INB103, INB104, INB201, four breadth units, and at least two specialisation units. **Equivalents:** ITB230 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Assumed knowledge: Assumed knowledge is completion of 192cp of which at least 144cp must be IT units
Equivalents: ITB791 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Assumed knowledge: Assumed knowledge is completion of 192 credit points of which at least 144 credit points must be for IT units **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011

SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: INB101 and INB102 and INB103 and INB104 and INB201 **Assumed knowledge:** Completion of at least 144 credit points of IT units, including INB101, INB102, INB103, INB104, INB201, four breadth units, and at least two specialisation units is assumed knowledge.

Equivalents: ITB844 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: INB309-1 (can be enrolled in the same teaching period) **Antirequisites:** ITB844 **Assumed knowledge:** Completion of at least 144 credit points of IT units, including INB101, INB102, INB103, INB104, INB201, four breadth units, and at least two specialisation units is assumed knowledge **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Antirequisites: INN311 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching**

period: 2011 SEM-2

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.

Antirequisites: ITB233, INN312 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: ITB260 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

INB320 Business Process Modelling

The aim of this unit is to introduce you to modern methodologies of business process modelling. A main objective is to increase your awareness of the conceptual foundation of modelling and for the capabilities of BPMN and available tools. You will learn how to use grammars and tools to build, maintain and communicate practically relevant process models.

Equivalents: ITB298 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: INN321 **Credit points:** 12 **Contact hours:** 3 per work **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: ITB264, ITN264 **Assumed knowledge:** Completion of 96 credit points of an Undergraduate study is assumed knowledge **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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. 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 Information Systems development project.

Antirequisites: ITB370 **Assumed knowledge:** Completion of at least 96 credit points of IT06 units, including INB101, INB103, INB120, INB122, BSB115, INB123, INB124, INB220, INB221, MGB223, BSB126, INB830 is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: ITN330 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

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.

Antirequisites: INN335 **Equivalents:** ITB322 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: INB210 or ITB004 **Antirequisites:** ITB229 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: INB210 or ITB004 or INB122 **Equivalents:** ITB223 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

INB342 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.

Prerequisites: INB122 or INB210 or INB340 or AYB114 **Antirequisites:** INN342 **Equivalents:** ITB239 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

INB343 Advanced Data Mining and Data Warehousing

Data warehousing and mining have been well recognized as the dominating techniques for using databases in the future. This unit discusses the concepts, structures and algorithms of data warehousing and mining, e.g., data architecture and quality, data warehouse and data mart, data cubes, OLAP, patterns, association rules and decision tables. Through this study, students will be able to demonstrate knowledge and skills of designing, developing and implementing data

warehousing components in SQL environments. It also enables students to design systems and tools that provide services to data management and analysis, such as data warehouses, data mining tools, business intelligence based systems, smart information use systems, and data processing systems.

Prerequisites: INB210 **Antirequisites:** INN343 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

INB344 Search Engine Technology

Prerequisites: INB371 **Assumed knowledge:** Intermediate programming experience with intermediate-level knowledge of data structures and algorithms **Credit points:** 12 **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

INB346 Enterprise 2.0

Web technologies and applications are reshaping contemporary organisations. By 2009 it has been predicted that more than 80% of organisations will have blogs and more than 50% of organisations will have wikis as part of their business solutions and strategies. Furthermore, with the advent of Cloud Computing, many companies are outsourcing key business functions to external web applications. The successful contemporary organisation requires expertise in not just business and management practice but in the critical design, use and consequences of new and emerging technologies. This unit will explore the ways in which IT has impacted on how organisations design and deliver activities and services internally and externally. The aim of this unit is to provide you with an understanding of how web 2.0 is changing the way contemporary organisations function.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

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

Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: INB251 or ITB006 or ITB510 **Antirequisites:** ITB624, ITB629, ITB720, ITN525, ITN667, ITN720 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

INB351 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.

Prerequisites: INB350 **Equivalents:** ITB721, ITB625, ITB535, ITB525 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

INB352 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.

Prerequisites: INB350 **Antirequisites:** ITB551, ITB628, ITB722, INN352, ITN551, ITN722 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: INB251 or ITB006 **Antirequisites:** ITN723 **Assumed knowledge:** Networks or equivalent networking knowledge is assumed knowledge **Equivalents:** ITB723 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: ITB646, ITB548, ITB566 **Assumed knowledge:** Maths B or equivalent is assumed knowledge.
Equivalents: ITB732 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: INB270 or ITB003 or INB371
Antirequisites: ITB745, ITB706, INN365 **Assumed knowledge:** Fundamentals of computer architecture; high level programming languages (such as C, C++, Java Python) is assumed knowledge. **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2

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.

Prerequisites: INB270 or ITB003 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-1

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.

Prerequisites: INB270 or ITB003 **Antirequisites:** ITB711, ITB702, INN371 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

INB372 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.

Prerequisites: INB370 **Antirequisites:** INN372, ITB612, ITB712 **Assumed knowledge:** Good programming, debugging, testing and software development skills.
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: INB271 or ITB007 **Antirequisites:** INN271, INN373 **Equivalents:** ITB716 and ITN716
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: INB270 or ITB003 **Equivalents:** ITB717
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: ITB009, INB305 **Assumed knowledge:** Completion of at least 144 credit points of IT04 units, including including all first year core units is assumed
Credit points: 12 **Contact hours:** 1 hour lecture - 2 hour supervisor meetings **Campus:** Gardens Point
Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: INB379 or INB305 **Antirequisites:** ITB020

Assumed knowledge: Students undertaking this unit must be enrolled in the Bachelor of Games and Interactive Entertainment **Credit points:** 24 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

INB381 Modelling and Animation Techniques

The development of computer graphics tools is a significant application within the IT, Games and related industries, relying heavily on software engineering methodologies. These tools, such as CAD systems, 3D modelling systems and games engines, are used in such industries as advertising, engineering, manufacturing, simulation for education and training, computer games, film special effects, etc. Modelling techniques are intrinsic to a 3D graphics system, especially one used for real time animation. With increased CPU and GPU power, the ability to animate in real time is allowing more sophisticated interaction and the merger of games/simulation and film. 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.

Prerequisites: INB371 and MAB281 **Equivalents:** ITB746 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: INB371, INB381 and MAB281 **Antirequisites:** ITB648 and ITB649 **Equivalents:** ITB747 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

INB383 AI for Games

The aim of this unit is to provide students with an intermediate to advanced level course in computer game AI, involving algorithmic and utility-based approaches to solving a wide range of problems in the interactive entertainment and game industries. You will gain both practical and theoretical knowledge about a range of AI techniques applied in computer games. You will be able to identify and explain different types of AI agents, describe their

algorithms using a pseudo code convention, identify and explain different structures and algorithms used to represent and solve a range of problems in computer game AI.

Prerequisites: INB371 or MAB281 **Antirequisites:** INB304 completed in semester 1 2009 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: INB103 or ITB002 **Antirequisites:** ITB257 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: INB385 (Special considerations may apply) **Equivalents:** ITB259, ITN259 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: Knowledge of a programming language like Python, Java or C is assumed. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

IND102 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.

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

Teaching period: 2011 13TP1 and 2011 13TP3

IND103 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.

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

Teaching period: 2011 13TP2

IND104 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.

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

Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3

IND210 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.

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

Teaching period: 2011 13TP1 and 2011 13TP3

IND251 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.

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

Teaching period: 2011 13TP2

IND270 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.

Prerequisites: IND104 **Credit points:** 12 **Contact hours:** 4 hours per week

Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3

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.

Antirequisites: INB101, ITB361, ITN361 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: ITN360 and INB120 **Credit points:** 12

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

Teaching period: 2011 SEM-1

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.

Antirequisites: INB122, ITB362, ITN365 **Equivalents:** ITN122 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: INB124 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: INB180, ITB750 **Equivalents:** ITN750 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: INB181, ITB751, ITN751 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

INN210 Databases

Databases and database systems are essential items that support many aspects of everyday life in modern society. All graduates from a course in Information Technology will be expected by employers to understand the concepts and terminology of databases. The aim of this unit is to introduce you to the structure and role of databases in modern organisations.

Antirequisites: INB210 **Equivalents:** ITN200 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 trades—tools and methods used by a business analyst, as well as the soft skills—creativity 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).

Antirequisites: INB220 **Equivalents:** ITB222, ITB365, ITN222, ITN365 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: ITN241, ITN251, ITN366, INB221 **Assumed knowledge:** INB103, ITB002 or ITB360 is assumed knowledge **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

INN230 Foundations of Information Retrieval

This unit is an advanced specialisation unit in the area of information retrieval. The unit aims to fuse together and present a coherent picture of modern information retrieval problems, solutions, and open questions. It aims to equip students with the ability to design and implement information retrieval systems that are designed to operate in range of environments, from PC based single user systems to web based search engines operating over distributed collections. The unit is also intended to teach the specific design and programming skills that will enable you to solve IR problems using database and web technology.

Antirequisites: INB230 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

INN250 Foundations of Computer Science

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. Most of the techniques are derived from the field of Discrete Mathematics and are the foundation of the discipline called Computer Science.

Antirequisites: INB250 **Assumed knowledge:** Basic familiarity with set theory (Venn diagrams and set operators), elementary algebra (polynomial and summation expressions, exponents and logarithms, etc) and simple probability concepts (permutations and combinations).

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: INB251 **Equivalents:** ITN701 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: INB255, ITB161, ITB523, ITB623, ITB730 **Equivalents:** ITN161, ITN511, ITN523, ITN663, ITN730 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: INB270 **Equivalents:** ITN700 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: INN373, INB373 **Assumed knowledge:** Basic programming and database knowledge is assumed. **Equivalents:** ITB007, ITB227, ITN007 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: INB272 **Equivalents:** ITN254 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: ITB016 and INB280 **Equivalents:** ITN016 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: INN280 **Antirequisites:** ITB017 and INB281 **Equivalents:** ITN017 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-1

INN282 Games Level Design

Prerequisites: INN281 **Antirequisites:** INB282 **Credit points:** 12 **Teaching period:** 2011 SEM-1

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.

Antirequisites: INB311 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: INB312, ITB233 **Equivalents:** ITN233 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: INB313 and ITB260 **Equivalents:** ITN260 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

INN320 Business Process Modelling

The aim of this unit is to introduce you to modern methodologies of business process modelling. A main objective is to increase your awareness of the conceptual foundation of modelling and for the capabilities of BPMN

and available tools. You will learn how to use grammars and tools to build, maintain and communicate practically relevant process models.

Antirequisites: ITB298 and ITB320 **Equivalents:** ITN301 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: INB321 **Equivalents:** ITN298 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: INN335, ITN332, INB322 **Assumed knowledge:** Good knowledge of professional oral and written communication practices and team work processes is assumed. **Equivalents:** ITN273 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: INB330 **Equivalents:** ITN266 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: INB331 **Equivalents:** ITN274 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: INN335, ITN322 **Equivalents:** ITN273 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: ITN330 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: INB334 **Equivalents:** ITN330 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

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.

Antirequisites: INB335, INN332, ITN273 **Equivalents:** ITN332 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: INB340 **Assumed knowledge:** INN210 or ITN200 is assumed knowledge **Equivalents:** ITN229 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: INN210 or ITN200 or INN122 or ITB004 **Antirequisites:** INB341, ITB223 **Equivalents:** ITN223 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: INN210 or INN340 or INN122 **Antirequisites:** ITB239, INB342 **Equivalents:** ITN239 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

INN343 Advanced Data Mining and Data Warehousing

Data warehousing and mining have been well recognized as the dominating techniques for using databases in the future. This unit discusses the concepts, structures and algorithms of data warehousing and mining, e.g., data architecture and quality, data warehouse and data mart, data cubes, OLAP, patterns, association rules and decision tables. Through this

study, students will be able to demonstrate knowledge and skills of designing, developing and implementing data warehousing components in SQL environments. It also enables students to design systems and tools that provide services to data management and analysis, such as data warehouses, data mining tools, business intelligence based systems, smart information use systems, and data processing systems.

Prerequisites: INN210 **Antirequisites:** INB343 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

INN344 Search Engine Technology

Antirequisites: INB344 **Assumed knowledge:** Intermediate programming experience with intermediate-level knowledge of data structures and algorithms **Credit points:** 12 **Campus:** Gardens Point

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.

Antirequisites: INB345 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: INB346 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: INB347 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites:

INB350, ITB624, ITB629, ITB720, ITN524, ITN529, ITN667

Assumed knowledge: INN251 is assumed knowledge.

Equivalents: ITN720 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: INN350 **Antirequisites:** INB351

Equivalents: ITN525, ITN535, ITN721 **Credit points:** 12

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

Teaching period: 2011 SEM-2

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.

Antirequisites: INB352, ITN722, ITN551, ITB628, ITB551, ITB722 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: INB353 **Assumed knowledge:** INN251 is assumed knowledge. **Equivalents:** ITB723, ITN723 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: INB355 **Assumed knowledge:** Maths B or equivalent (e.g. MAB105) is assumed knowledge. **Equivalents:** ITB548, ITB566, ITB646, ITB732, ITN566,

ITN512, ITN581, ITN732, **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: INN270 or ITB003 or INB270
Antirequisites: ITB706, ITB745, ITB365 **Assumed knowledge:** Fundamentals of computer architecture; high level programming languages (such as C, C++, C#, Java, python) is assumed knowledge **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2

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.

Antirequisites: INB370 **Assumed knowledge:** INN270 is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: INN270 or INB270 **Antirequisites:** INB371, INB372, ITB702, ITB711, ITN711 **Equivalents:** ITN702 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

INN372 Agile Software Development

This unit examines the theory, techniques, and technologies associated with the specification, design, construction and testing of software systems. It integrates specialist knowledge from previous units to prepare you to become a professional software engineer. By the end of this unit, you

will have a firm understanding of the principles of software development processes, and the detailed practices of a modern agile methodology. This will extend and refine your knowledge of the traditional software development lifecycle and testing, and putting your new knowledge into practice. You will work together in small teams of four to six people to build a project using an agile methodology and using test-driven development strategies. You will thus be well-prepared to become a member of a professional development team.

Prerequisites: INN370 **Antirequisites:** INB372, ITB712, ITN662, ITN712, ITB612 **Assumed knowledge:** Good programming, debugging, testing and software development skills. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: INB373, INN271 **Assumed knowledge:** INN271 is assumed knowledge. **Equivalents:** ITB716, ITN716, **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

INN374 Enterprise Software Architecture

This unit introduces you to the field of enterprise and component-based architecture. It provides a grounding in the knowledge and skills required by a software architect to address the future needs of business IT systems. These include a solid understanding of the IT challenges currently facing medium to large organizations, the theory and technologies used to address them, and an appreciation of the business needs that motivate their use. To enable you to address these challenges you will be exposed to system design methods, and the current technologies, that allow the resulting systems to be adaptive to changing business needs.

Prerequisites: INN270, INB270, ITN700, or ITB003
Antirequisites: INB374 and ITB717 **Equivalents:** ITN717
Credit points: 12 **Contact hours:** 3 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-2

INN381 Modelling and Animation Techniques

The development of computer graphics tools is a significant application within the IT, Games and related industries, relying heavily on software engineering methodologies. These tools, such as CAD systems, 3D modelling systems and games engines, are used in such industries as advertising, engineering, manufacturing, simulation for education and training, computer games, film special effects, etc. Modelling techniques are intrinsic to a 3D graphics system, especially one used for real time animation. With increased CPU and GPU power, the ability to animate in real time is allowing more sophisticated

interaction and the merger of games/simulation and film. 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.

Prerequisites: INB371 or INN371, and MAB281

Antirequisites: INB381, ITB441, ITB460, ITB648, ITB649, ITB746 **Equivalents:** ITN440, ITN460, ITN746 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: INN381 and MAB281 **Antirequisites:** INB382 **Equivalents:** ITN747 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

INN383 AI for Games

The aim of this unit is to provide students with an intermediate to advanced level course in computer game AI, involving algorithmic and utility-based approaches to solving a wide range of problems in the interactive entertainment and game industries. You will gain both practical and theoretical knowledge about a range of AI techniques applied in computer games. You will be able to identify and explain different types of AI agents, describe their algorithms using a pseudo code convention, identify and explain different structures and algorithms used to represent and solve a range of problems in computer game AI.

Antirequisites: INB383 **Assumed knowledge:** MAN281, INN371 or equivalent is assumed knowledge **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: INB385 **Assumed knowledge:** INN271 is assumed knowledge. INN272 should be enrolled in the same teaching period. **Equivalents:** ITN257, ITB257 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: INN385 **Antirequisites:** INB386 and ITB259 **Equivalents:** ITN259 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

INN500 PRINCE2 (R) 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 workshops and lectures.

Prerequisites: Completion of 36 credit points of Postgraduate units (INN% or PUN% or GSN%)

Antirequisites: INB123, ITB365, ITB272 **Equivalents:** ITN272 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: INN330 **Equivalents:** ITN278 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: ITN276 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

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.

Equivalents: ITN279 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: ITN275 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

INN540 User Experience

Understanding users and their experiences is a vital dimension of IT professionals' competence and ethical awareness. People experience information and technology in a wide range of contexts, increasingly digital environments on a daily basis. Understanding people's experience provides an important foundation for design and evaluation of a wide range of technologies and user contexts. This subject provides an opportunity for you to explore your own experience as user and also the experience of others. You will explore the experience of others, through engaging with them directly or via technology, and by engaging with a wide range of resources that inform us about users' experiences. The aim of this unit is to introduce students to

understanding and investigating users' experiences in contexts that interest them, with particular emphasis on digital environments.

Assumed knowledge: 24 credit points of INN units

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: INN255 is assumed knowledge. INN250 and INN251 should be enrolled in the same teaching period. **Equivalents:** ITN774 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

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

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.

Assumed knowledge: Completion of at least 48 credit points of Postgraduate level IT units is assumed knowledge.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Assumed knowledge: Completion of at least 48 credit

points of Postgraduate level IT units is assumed knowledge.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Assumed knowledge: Completion of at least 48 credit points of Postgraduate level IT units is assumed knowledge.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Assumed knowledge: Completion of 48 credit points of Postgraduate IT units is assumed knowledge. **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Assumed knowledge: Completion of 48 credit points of Postgraduate IT units is assumed knowledge. **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Assumed knowledge: Completion of 48 credit points of Postgraduate IT units is assumed knowledge. **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

INN610 Case Studies in Business Process Management

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.

Prerequisites: INN320 or INN321 with a grade of 6 and a GPA of at least 6 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: ITN280-1 **Credit points:** 2 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: INN632-1 **Equivalents:** ITN280-2 **Credit points:** 2 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: INN632-1 **Equivalents:** ITN280-3 **Credit points:** 2 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: INN632-1 **Equivalents:** ITN280-4 **Credit points:** 2 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: INN632-1 **Equivalents:** ITN280-5 **Credit points:** 2 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: INN632-1 **Equivalents:** ITN280-6 **Credit points:** 2 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: INB351 or INN351 **Assumed knowledge:** INB351, INN351, ITN721 or ITB721 is assumed knowledge.

Equivalents: ITN771 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: ITB731, ITN731 **Assumed knowledge:** It is an advantage that the student has knowledge of the basic principles and technologies for information security, such as those taught in INN255 Security. **Credit points:** 12

Campus: Gardens Point **Teaching period:** 2011 SEM-2

INN652 Advanced Cryptology

Cryptology forms a core discipline in the study of information security. This unit concentrates on the latest developments in cryptology. This is a specialised unit that prepares postgraduate students for research in cryptology. The aim of the unit is to explore and understand recent developments in the theory and practice of cryptology. The unit provides fundamental knowledge for students seeking to undertake postgraduate research or work in the area of information security, especially involving cryptology.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: Completion of at least 48 credit points of Postgraduate level IT units is assumed knowledge.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Assumed knowledge: Completion of at least 48 credit points of Postgraduate level IT units is assumed knowledge.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Assumed knowledge: Completion of at least 48 credit points of Postgraduate level IT units is assumed knowledge.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Assumed knowledge: Completion of at least 48 credit points of Postgraduate level IT units is assumed knowledge.

Credit points: 24 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

INN694-1 Project 1

This unit enables you to carry out an independent or group project addressing a research question or practical problem in theoretical or practical information technology. It provides an opportunity to individualise your studies by concentrating on a specific problem. 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.

Assumed knowledge: Completion of at least 48 credit points of Postgraduate level IT units is assumed knowledge. Students must enrol in INN694-2 to receive a result.

Other requisites: Students must complete INN694-2 to receive a grade for this unit **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

INN694-2 Project

This unit enables you to carry out an independent or group project addressing a research question or practical problem in theoretical or practical information technology. It provides an opportunity to individualise your studies by concentrating on a specific problem. 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.

Prerequisites: INN694-1 **Assumed knowledge:** Completion of at least 48 credit points of Postgraduate level IT units is assumed knowledge. **Credit points:** 12

Campus: Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Assumed knowledge: Completion of at least 48 credit points of Postgraduate level IT units is assumed knowledge.

Credit points: 48 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Assumed knowledge: Completion of at least 48 credit points of Postgraduate level IT units is assumed knowledge. Students must enrol in INN696-2 to receive a result.

Other requisites: Students must complete INN696-2 to receive a grade for this unit **Credit points:** 24 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: INN696-1 **Assumed knowledge:** Completion of at least 48 credit points of Postgraduate level IT units is assumed knowledge **Credit points:** 24 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

INN700 Introduction To Research

This unit is aimed at students undertaking a major research project (see corequisites above). In order to pursue such a project, you must have some insight into the range of possible approaches to research available. Before commencing the research proper, it is necessary to review related literature in depth and prepare a detailed proposal outlining the research question, design and project plan. Quality control and good project management must be exercised throughout the research project. Main items of assessment pertain to each student's unique, research project being pursued in parallel. This unit aims to give you insight into the range of possible approaches to research, to develop the skills needed to prepare your literature review and research proposal and to assist you in planning and managing time and resources.

Assumed knowledge: Must be con-currently enrolled in either full-time or psrt-time Higher Research Degree (i.e. PhD, ProDoc, Research Masters, or Honours) or, if coursework masters then a 48cp research project. In all instances, must have a formal Principle Supervisor

Equivalents: ITN100 **Other requisites:** Unit Coordinator Approval and a course GPA of at least 5.5 is required to enrol. **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

INN701 Advanced Research Topics

All research students need an appreciation of a wide variety of potential approaches to conducting research and an understanding of the key issues that bear on such approaches. INN701 is an advanced unit aimed at research students who are soon to complete a detailed, rigorous and defensible design of their intended research project (e.g. Stage 2). Research students, coursework masters students and honours students intending undertaking a major research project should pursue INN701 either subsequent to, or in parallel with INN700.

Prerequisites: INN700 which can be studied in the same teaching period as INN701 **Assumed knowledge:** INN700 may be waived for invited, advanced, high-performing undergrads **Equivalents:** ITN269 **Other requisites:** GPA of at least 5.5 is required to enrol **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: INB300 **Credit points:** 24 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: INB300 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: INB300 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

INS020 Professional Experience (Undergraduate)

Advanced Standing may be applied for Professional/Industry Experience. For instructions on how to apply, please refer to: www.scitech.qut.edu.au/documents/study/courses/vre/INS020.pdf

Antirequisites: INB300 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

INS040 Professional Experience (Postgraduate)

Advanced Standing may be applied for Professional/Industry Experience. For application instructions, please refer to: www.scitech.qut.edu.au/documents/study/courses/vre/INS040.pdf

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: INS450 **Equivalents:** ITS701, ITS601, ITB011, ITN011 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: INS350 **Antirequisites:** INS451 **Credit points:** 12 **Contact hours:** 3 per week **Campus:**

Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: INS351 **Antirequisites:** INS456, INS452 **Assumed knowledge:** INS350, CCNA 1/2/3/4 are recommended prior study **Equivalents:** ITS703 **Credit points:** 12 **Campus:** Gardens Point

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.

Prerequisites: INS352 **Antirequisites:** INS453 **Equivalents:** ITS704 **Credit points:** 12 **Campus:** Gardens Point

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.

Prerequisites: INS351 **Antirequisites:** INS454 **Assumed knowledge:** INS350 and INS351 are recommended prior study **Equivalents:** ITS705 **Credit points:** 12 **Campus:** Gardens Point

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.

Prerequisites: INS354 **Antirequisites:** INS455 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

INS357 CISCO VOIP

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 network for campus networking environment. The aim of this unit is to prepare students for the topics covered in CISCO CCNA Voice Exam (640-460 IIUC Implementing Cisco IOS Unified

Communications OR 642-436 CVOICE 6.0 Cisco Voice Over IP). This unit aims to build important knowledge and skills necessary to build the VoIP integrated campus network.

Prerequisites: INS350 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: INS350 **Equivalents:** ITS701, ITS601, ITB011, ITN011 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: INS450 which can be studied in the same teaching period as INS451 **Antirequisites:** INS351 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: INS352 **Equivalents:** ITS703 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

INS453 CCNP 2: Implementing Secure Network Coverage

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.

Prerequisites: INS452 **Antirequisites:** INS353

Equivalents: ITS704 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

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.

Prerequisites: INS451 **Antirequisites:** INS354 **Equivalents:** ITS705 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

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.

Prerequisites: INS454 **Antirequisites:** INS355 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

INS457 CISCO VOIP

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 network for campus networking environment. The aim of this unit is to prepare students for the topics covered in CISCO CCNA Voice Exam (640-460 IIUC Implementing Cisco IOS Unified Communications OR 642-436 CVOICE 6.0 Cisco Voice Over IP). This unit aims to build important knowledge and skills necessary to build the VoIP integrated campus network.

Prerequisites: INS450 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

JSB170 Introduction to Criminology and Policing

This unit will provide you with an introduction to both of the majors before you make your choice. It will provide you with a foundation for understanding criminology and policing. It begins with an exploration of the existing explanations of crime from both an individual and social perspective and will provide you with a background of policing in Queensland, Australia and internationally. The remainder of the unit then covers topics of interest to those within the area of criminal justice, policing and criminology, for example, crimes in the home, crime in public, cyber crime, and street crime

Equivalents: JSB131, JSB011, JSB101 **Credit points:** 12 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1

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.

Equivalents: JSB131, JSB011, JSB101 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1

JSB172 Professional Criminological Research Skills

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

Equivalents: JSB132, JSB012, JSB104 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1

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.

Equivalents: JSB135, JSB015, JSB202 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Equivalents: JSB136 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Equivalents: JSB134 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

JSB257 Policing Diversity

Are policing strategies developed for 'mainstream' Australia effective for Aboriginals, or refugees from East Africa? Are Australian police forces equipped to provide effective services to the range of diverse communities they police? What programmes and initiatives are police using in Australia and overseas, and are they working? These questions form the basis for a course in Policing Diversity. This unit takes up the challenge to critical analyse these questions and thereby offer students an advanced education about the issues related to policing increasingly diverse populations in modern, complex societies like Australia. The unit will focus on key issues such as policing new migrant and refugee communities, Lesbian, Gay, Bisexual and Transgender (LGBT) communities, police and Aboriginal peoples, critical analysis of contemporary Australian policies and programmes aimed at enhancing police effectiveness in responding to cultural and social difference.

Credit points: 12 **Teaching period:** 2011 SEM-2

JSB259 Criminal Database Analysis

As a consequence of the increasing reliance on computer technology within the investigative and intelligence communities within Australia it is recognised that students should gain a working knowledge of the design and development of criminal databases as well as the ability to analyse the data so contained.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

JSB260 Global Justice and Human Security

Credit points: 12 **Teaching period:** 2011 SEM-2

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.

Equivalents: JSB251, JSB081 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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'.

Antirequisites: JSN113 **Equivalents:** JSB231, JSB018
Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1

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.

Equivalents: JSB933, JSB043 **Credit points:** 12
Contact hours: 3 **Campus:** Gardens Point and External
Teaching period: 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1

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.

Equivalents: JSB352 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External

Teaching period: 2011 SEM-1

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.

Equivalents: JSB232, JSB041 **Credit points:** 12
Contact hours: 3 **Campus:** Gardens Point and External
Teaching period: 2011 SEM-2

JSB373 Punishment and Penal Policy

What is punishment? Why do we punish crime and deviance the way we do? Why do we have so many people in prison and why don't prisons seem to work to reduce crime and make society safer? These are all important philosophical and theoretical questions that are of concern to academics, researchers, policy workers, and the general public. This unit takes up the challenge to critically analyse these questions and thereby offering students an advanced education about the philosophy of punishment, and the theoretical bases of modern penal policy. The unit will focus on the history of punishment and prisons, the rise of correctional privatisation, the rehabilitation ideal and 'treatment' of offending, and responses to 'difference', including women and indigenous-focused policies and interventions.

Antirequisites: JSB233, JSB331 **Credit points:** 12
Contact hours: 3 **Campus:** Gardens Point and External

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.

Antirequisites: JSN112 **Equivalents:** JSB333, JSB044
Credit points: 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Prerequisites: JSB274 **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.

Antirequisites: JSN106 **Credit points:** 12 **Contact hours:** One week intensive block **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1

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.

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

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.

Equivalents: JSB931, JSB092 **Credit points:** 12 **Contact hours:** In consultation with Supervisor **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1

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.

Equivalents: JSB931, JSB092 **Credit points:** 12 **Teaching period:** 2011 SEM-2

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.

Equivalents: JSB937, JSB444 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Equivalents: JSB934 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

JSB983 White Collar Crime

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 further 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. This unit will provide the student with an outline of the nature of these techniques.

Antirequisites: JSN105 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External

JSB984 Sex Offences

Credit points: 12 **Campus:** Internet and Gardens Point
Teaching period: 2011 SEM-2

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.

Antirequisites: JSN111 **Credit points:** 12 **Teaching period:** 2011 SEM-2

JSB986 Death Investigation

Credit points: 12 **Campus:** External

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.

Equivalents: JSN001, JSP001, JSB411, LWN040 **Credit points:** 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-1

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.

Equivalents: JSN018, JSN163, JSP163, JSP063 **Credit**

points: 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-1

JSN104 Transnational and Organised Crime

Antirequisites: JSB982 **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 - 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.

Antirequisites: JSB983 **Credit points:** 12 **Campus:** Internet and 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.

Antirequisites: JSB376 **Credit points:** 12 **Contact hours:** Intensive block **Campus:** Gardens Point
Teaching period: 2011 SEM-2

JSN108 National Security and Intelligence

The rationale of this unit is for you to be able to gain insight on how security is conceptualised from a theoretical and applied perspective. This knowledge of the variety of ways, in which security is defined and sought, will enable a critical analysis of what security means for Australia. In addition, this unit will explore the contemporary issues that intelligence gathering operations are currently engaged with at the regional and international level. Security ostensibly is a multilayered task, which requires the domestic, regional and international conceptualisation of threats and strategic responses.

This unit will profile how security prioritization occurs within nation states and how security is conceptualised today in relation to both traditional and non-traditional security threats.

Equivalents: JSN164, JSP164, JSP065 **Credit points:**

12 **Campus:** Internet and External **Teaching period:** 2011 SEM-2

JSN109 Intelligence Practice 1

Intelligence professionals provide support to government and the private sector. Intelligence analysts are increasingly taking a leading role in investigations by providing more information to provide an informed decision for team leaders of criminal investigation teams. Within the Intelligence community they offer an advantage to managers, through the provision of accurate and timely advice. This unit presents the essentials of the intelligence system, the intelligence process and creative problem solving skills within the intelligence environment.

Intelligence analysts are provided with methodologies and tools for their profession. Intelligence work requires proficiency in thinking strategies and skills, effective interpersonal skills, teamwork and application of intelligence process methodologies in a variety of contexts.

Equivalents: JSN161, JSP161, JSP061 **Credit points:** 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-1

JSN110 Intelligence Practice 2

There are two perspectives to be borne in mind: the management of intelligence within organisations; and, intelligence management. The unit examines organisational structures against proven principles. It acknowledges the importance of people, and examines the specific needs of personnel systems in an intelligence environment. Finally, it looks at the processes to plan and conduct efficient operations.

The unit considers the management of intelligence organisations, personnel and operations. It recognises the need for managers to be attuned to the context and environment in which they are operating. The unit examines organisational structures against proven principles. The subject concentrates on applying established principles and procedures to the unique needs of intelligence organisations.

Equivalents: JSN162, JSP162, JSP067 **Credit points:** 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-2

JSN111 Terrorism and Political Violence

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.

Antirequisites: JSB985 **Credit points:** 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-2

JSN112 Crime Prevention

A key criticism of traditional criminal justice responses to crime involving police, courts and imprisonment is that they are mainly “down stream” responses, reacting after crime has occurred. This has lead criminal justice practitioners to develop schemes that identify and address causes of offending. Such approaches emphasise “up stream” responses that aim to prevent crime before they come “down stream” problems requiring responses by the crime justice system. Various methods of crime prevention have been developed with state and local agencies adopting different techniques. A key aim of crime prevention is to instil an evidence-based approach that emphasises problem solving and analysis and systemic planning. Given the importance being placed upon prevention by the private and public sector it is important for you to understand the trends described above and develop skills relevant to the development, implementation and evaluation of crime prevention strategies.

Antirequisites: JSB374, JSB333, JSB044 **Credit points:** 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-2

JSN113 Theories of Crime

The main aim of this unit is to introduce you 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'.

Antirequisites: JSB272, JSB231, JSB018 **Credit points:** 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-1

JSN116 Independent Study

In the course of their study, Justice students may discover an area that is of particular interest to them, or which has specific relevance to their intended professional orientation. This unit gives you the opportunity to extend aspects of your coursework or professional interests in more depth as well as to continue the process of refining and developing research skills.

Equivalents: JSN006 **Credit points:** 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-1

JSN117 Independent Study

In the course of their study, Justice students may discover an area that is of particular interest to them, or which has specific relevance to their intended professional orientation. This unit gives you the opportunity to extend aspects of your coursework or professional interests in more depth as well as to continue the process of refining and developing research skills.

Equivalents: JSN007 **Credit points:** 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-2

JSN124 Criminal Database Analysis

As a consequence of the increasing reliance on computer technology within the investigative and intelligence communities within Australia it is recognised that students should gain a working knowledge of the design and development of criminal databases as well as the ability to analyse the data so contained.

Credit points: 12 **Campus:** External **Teaching period:** 2011 SEM-1

JSN125 Official Corruption and Ethics

Until recently, technological advancements and increased economic rationalism had forced public and private organisations into a managerial mode of governance that focussed on outcomes at the expense of process. The managerial mode created major gaps in public accountability and responsibility, leading to increased risk of corruption, fraud and scandal. To address these problems, current government policy has begun to focus more and more on governance and accountability and their associated processes. This unit provides the theoretical and conceptual basis for examining and analysing the ethical issues involved in contemporary public and private organisations, and offers a critical analysis of current attempts at addressing these issues.

Credit points: 12 **Campus:** External

JSN126 Security Risk Management

In response to the war on terror government and private organisations are becoming more aware of the risk posed to key assets and critical infrastructure by terrorist and criminal enterprises. It is recognised that students should gain a working knowledge of security risk management methodologies and their application within the workplace.

Credit points: 12 **Campus:** External

JSN128 Anti-Money Laundering

This Unit examines anti-money laundering measures in Australia and highlights the surveillance and monitoring of the banking and financial services sector along with other areas dealing with cash or financial transactions of interest. The student will gain an understanding of methodologies used by modern day investigators and financial analysts to obtain sources of information and financial intelligence to determine if someone is engaged in criminal activities.

The student will be able to examine the methodologies used by criminals who profit from their criminal activities, whether acting as an individual or as part of an organised group. Students will be able to explore the international standards and agreements of domestic and international laws.

It is recognised that the student should gain practical knowledge and obtain a greater understanding of the methods criminals use to conceal the money they have obtained through criminal activity.

Credit points: 12 **Campus:** External

JSN129 Policing Diversity

Are policing strategies developed for 'mainstream' Australia effective for Aboriginals, or refugees from East Africa? Are

Australian police forces equipped to provide effective services to the range of diverse communities they police? What programmes and initiatives are police using in Australia and overseas, and are they working? These questions form the basis for a course in Policing Diversity. This unit takes up the challenge to critical analyse these questions and thereby offer students an advanced education about the issues related to policing increasingly diverse populations in modern, complex societies like Australia. The unit will focus on key issues such as policing new migrant and refugee communities, Lesbian, Gay, Bisexual and Transgender (LGBT) communities, police and Aboriginal peoples, critical analysis of contemporary Australian policies and programmes aimed at enhancing police effectiveness in responding to cultural and social difference.

Credit points: 12 **Campus:** External **Teaching period:** 2011 SEM-2

JSN130 Indigenous Justice in a Global Context

Why are indigenous peoples so over-represented in criminal justice systems around the world? Why have we been unsuccessful in reducing Indigenous rates of offending and imprisonment? How do Indigenous peoples theorise the causes of crime and respond to social harm? The unit will focus on the history of colonial responses to indigenous offending, the development of contemporary policy responses to this issue, the effectiveness (or otherwise) of state policies and interventions, and Indigenous theories of criminality and social harm.

Credit points: 12 **Campus:** External

JSZ901 Transnational Organised Crime and Terrorism

The aims of this unit are to provide knowledge and understanding for police officers about the motivators of terrorism (religious extremism, nationalism, ideology) conventional and non-conventional forms of terrorism (nuclear, chemical, biological, radiological) as well as state-sponsored terrorism and narco-terrorism and the nexus between transnational organised crime and various forms of terrorism.

Credit points: 12 **Campus:** Singapore **Teaching period:** 2011 SEM-2

JSZ902 Criminal and Terrorism Profiling

The aims of this unit are to provide knowledge and understanding for police officers about the different approaches to criminal and terrorism profiling available to police and law enforcement agencies in order to improve their effectiveness of operational policing duties.

Credit points: 12 **Campus:** Singapore **Teaching period:** 2011 SEM-2

JSZ903 Investigative Thinking and Knowledge Management

The aim of this unit is to provide knowledge and understanding for street police about the qualitatively different 'investigative thinking styles' (ITS) that detectives use when conducting ongoing investigations, and the management of such investigative knowledge, in order to improve their effectiveness when responding to incidents.

Credit points: 12 **Campus:** Singapore **Teaching period:** 2011 SUM

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 **Teaching period:** 2011 SUM

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 **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Singapore **Teaching period:** 2011 SEM-1

KCB101 Introduction to Media and Communication: Texts

This unit introduces you to foundational ideas in the study of communication. It covers key questions of textual analysis, practice, and context. Drawing extensively on examples of popular communication practice from contemporary society, the unit aims to impart an understanding of communication ecologies, processes, systems, and modes within the wider frame of radical changes occurring to the way texts are produced, read and circulated within our culture.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KCB102 Media Myth Busting 1

This unit explores a variety of key myths, controversies and debates surrounding the relationship between media and society. It investigates the historical foundations, cultural context and factual accuracy of a series of 'common sense' arguments regarding how different kinds of media have or have not affected the way our society functions.

Equivalents: KCB140 **Credit points:** 12 **Contact hours:** 2.5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KCB103 Strategic Speech Communication

This unit emphasises both the theory and practice of speech and interpersonal communication. It introduces theories of language, rhetoric and persuasion, which are interrelated to promote understanding and development of your communication skills. Classroom practice in simulated work situations will enhance the leadership skills you need to become articulate presenters in a range of contexts including personal presentations and interviews.

Equivalents: KCB213 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KCB104 Media and Communications: Industries

A contemporary understanding of the cultural and economic significance of media and communication industries is a vital foundation for scholarship and professional practice in the media and communications industries. This unit surveys the political economies of print and electronic media industries, as well as advertising and public relations. It considers the impact of regulation on these industries and explores convergence and globalisation as frameworks for understanding change. You will be supported to develop your own strategy for maintaining current awareness of media and communication industries in the process of evaluating current public and policy debates.

Equivalents: KCB150 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KCB105 Media Myth Busting 2

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 will involve qualitative and quantitative research methods including content analysis, focus groups, ethnography, interviews and survey research which are 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 your conclusions and recommendations.

Equivalents: KCB334 **Credit points:** 12 **Contact hours:** 3 per week, plus several lectures during semester **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: Concurrent enrolment in KCB101 is strongly recommended. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KCB203 Consumption Matters: Consumer Cultures and Identity

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 requires you to synthesise and apply concepts and methodologies that you have learned in earlier units. This unit focuses on developing in you a broader understanding of media, communication, and production through the lens of consumer cultures. The knowledge that you gain in this unit will inform your future professional, academic, and creative practices.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KCB205 Professional Communication

Professional Communication aims to enhance your career prospects by developing a better understanding of communication dynamics between individuals and groups in organisational settings. The unit will sharpen your practical and critical skills in situation analysis, project proposal development, formal document production, sponsor and client presentations, and workplace communication practices. Although the main focus of the unit is on the creative and cultural industries, the content and skills covered are applicable to a range of professions and career options.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KCB206 New Media: Internet, Self and Beyond

The number of individuals in contemporary societies who use new media technologies to shape, (re)form and sustain their identities is on the rise. From social networking sites like FaceBook and blogs to YouTube, this unit takes you through the critical enquiry of your use of new media in five aspects of everyday life: entertainment, socialisation, information, education and business, health and well-being, and beliefs and politics. This unit also introduces them to theories, issues and deliberations surrounding new media.

Assumed knowledge: KKB101, KKB102, and advanced academic writing, research and referencing skills in offline and online contexts. **Equivalents:** KCB201, KCB295

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KCB207 Exploring New Media Worlds

This unit expands and builds on the connections made between new media and everyday life for the individual in KCB206 to include the relationships between individuals and communities that are afforded, extended, amplified and intensified as well as attenuated by new media technologies and practices. It accomplishes this through an exploration of contemporary worlds—the world of connections; the world of play; the world of commerce and the world of politics—with new media lenses.

Alongside the concepts underlying these explorations, you will also examine, confront and challenge the notion of the

boundaries surrounding new media such as the limits of embodiment, nation-states and their infrastructures of laws and economics. The knowledge you gain and processes you learn in this unit will add to your professional, academic and creative development.

Antirequisites: KCP408 **Assumed knowledge:** KCB206 is assumed knowledge. **Equivalents:** KCB202, KCB336

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KCB301 Media Audiences

This unit provides you with a conceptual understanding of media audiences within industry and academic contexts. In addition, the unit introduces you to a range of practical skills that may be applied when undertaking audience research. 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 undertaking both postgraduate research in Media & Communication and those seeking employment in media industries.

Assumed knowledge: Introductory understanding of the relationship between media texts, institutions and society, media or market research, quantitative and qualitative research design, basic statistical analysis skills, and qualitative research methods **Equivalents:** KCB349

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KCB302 Political Communication

This unit provides an overview of the theory and professional practices of political and parliamentary communication especially through the media and communications industries. The unit examines contemporary and historical political campaigns in Australia and internationally from the perspectives of media influence, strategic image and issue management, rhetorical models, and persuasion theory. The unit also considers how professional campaign consultants plan and develop political campaigns.

Equivalents: KCB311 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KCB303 Brisbane Media Map

Networks of industry and professional association are extremely important in media and communication industries. In this unit you will extend and apply your critical knowledge of media and communication to the task of deepening your understanding of these networks. Through developing and updating the Brisbane Media Map—an online resource that profiles media and communication industries in Brisbane—you will also refine your project planning and management skills, information analysis skills, and team leadership and membership skills. You will also explore ethical, communication, and intellectual property concerns that arise in the processes of undertaking a real-world media and communication industries project.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KCB304 Designing Communication Resources

Controlled media resources (such as brochures, booklets, information kits, promotional materials, and web sites) are common tools used during communication campaigns. This unit develops your abilities to devise effective resources for clients. You will develop critical and practical skills in evaluating resources, managing projects, researching the audience, writing and designing resources, testing your work, and seeing the product through to final production. The unit involves desktop publishing training, and offers you the opportunity to develop a print or electronic resource for a client.

Prerequisites: Completion of 72 credit points of study

Equivalents: KCB335 **Credit points:** 12 **Contact hours:** 5.5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KCB213 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1 and 2011 13TP3

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KCP408 Exploring New Media Worlds

This unit focuses on the relationships between individuals and communities that are afforded, extended, amplified and intensified as well as attenuated by new media technologies and practices. You will explore the contemporary worlds of connections, play, commerce and politics through the lenses of new media. In the process, you will examine, confront and challenge the notion of the boundaries surrounding new media such as the limits of embodiment, nation-state sovereignty and their infrastructures of laws and economics.

Antirequisites: KCB207 **Equivalents:** KCP402, KCP336 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KCZ101 Communication in the New Economy

This unit introduces students to foundational ideas in the study of communication. It covers key questions of textual analysis, practice, and context. Drawing extensively on examples of popular communication practice from contemporary society, the unit aims to impart

an understanding of communication ecologies, processes, systems, and modes within the wider frame of radical changes occurring to the way texts are produced, read and circulated within our culture.

Equivalents: KCB101 **Credit points:** 12 **Contact hours:** 26 hours of lectures, 13 hours of tutorial/seminar, and up to 117 hours of self-study. **Campus:** City University of Hong Kong

KCZ102 Media and Society: From Printing Press to Internet

This unit explores a variety of key myths, controversies and debates surrounding the relationship between media and society. It investigates the historical foundations, cultural context and factual accuracy of a series of 'common sense' arguments regarding how different kinds of media have or have not affected the way our society functions.

Equivalents: KCB102, KCB140 **Credit points:** 12 **Contact hours:** 26 hours of lectures, 13 hours of tutorial/seminar, and up to 117 hours of self-study. **Campus:** City University of Hong Kong

KCZ103 Strategic Speech Communication

This unit emphasises both the theory and practice of speech and interpersonal communication. It introduces theories of language, rhetoric and persuasion, which are interrelated to promote understanding and development of students' communication skills. Classroom practice in simulated work situations will enhance the leadership skills students need to become articulate presenters in a range of contexts including personal presentations and interviews.

Equivalents: KCB103, KCB213 **Credit points:** 12 **Contact hours:** 26 hours of lectures, 13 hours of tutorial/seminar, and up to 117 hours of self-study. **Campus:** City University of Hong Kong

KCZ104 Media and Communication: Industries

A contemporary understanding of the cultural and economic significance of media and communication industries is a vital foundation for scholarship and professional practice in the media and communications industries. This unit surveys the political economies of print and electronic media industries, as well as advertising and public relations. It considers the impact of regulation on these industries and explores convergence and globalisation as frameworks for understanding change. Students will be supported to develop their own strategy for maintaining current awareness of media and communication industries in the process of evaluating current public and policy debates.

Equivalents: KCB104, KCB150 **Credit points:** 12 **Contact hours:** 26 hours of lectures, 13 hours of tutorial/seminar, and up to 117 hours of self-study. **Campus:** City University of Hong Kong

KCZ105 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 will involve qualitative and quantitative research methods including content

analysis, focus groups, ethnography, interviews and survey research which are studied in the context of media and communication problems and issues. Students will carry out research using some of these methods, analyse the results and present their conclusions and recommendations.

Equivalents: KCB105, KCB334 **Credit points:** 12
Contact hours: 26 hours of lectures, 13 hours of tutorial/seminar, and up to 117 hours of self-study.
Campus: City University of Hong Kong

KCZ203 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 requires you to synthesise and apply concepts and methodologies that you have learned in earlier units. This unit focuses on developing in you a broader understanding of media, communication, and production through the lens of consumer cultures. The knowledge that you gain in this unit will inform your future professional, academic, and creative practices.

Equivalents: KCB203 **Credit points:** 12 **Contact hours:** 26 hours of lectures, 13 hours of tutorial/seminar, and up to 117 hours of self-study. **Campus:** City University of Hong Kong

KCZ205 Professional Communication

Professional Communication aims to enhance students' career prospects by developing a better understanding of communication dynamics between individuals and groups in organisational settings. The unit will sharpen students' practical and critical skills in situation analysis, project proposal development, formal document production, sponsor and client presentations, and workplace communication practices. Although the main focus of the unit is on the creative and cultural industries, the content and skills covered are applicable to a range of professions and career options.

Equivalents: KCB205 **Credit points:** 12 **Contact hours:** 26 hours of lectures, 13 hours of tutorial/seminar, and up to 117 hours of self-study. **Campus:** City University of Hong Kong

KCZ206 New Media: Applications and Identities

The number of individuals in contemporary societies who use new media technologies to shape, (re)form and sustain their identities is on the rise. From social networking sites like FaceBook and blogs to YouTube, this unit takes you through the critical enquiry of your use of new media in five aspects of everyday life: entertainment, socialisation, information, education and business, health and well-being, and beliefs and politics. This unit also introduces them to theories, issues and deliberations surrounding new media.

Equivalents: KCB201, KCB295 **Credit points:** 12
Contact hours: 26 hours of lectures, 13 hours of tutorial/seminar, and up to 117 hours of self-study.
Campus: City University of Hong Kong

KCZ301 Media Audiences

This unit provides you with a conceptual understanding of media audiences within industry and academic contexts. In addition, the unit introduces you to a range of practical skills that may be applied when undertaking audience research. 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 undertaking both postgraduate research in Media & Communication and those seeking employment in media industries.

Equivalents: KCB301, KCB349 **Credit points:** 12
Contact hours: 26 hours of lectures, 13 hours of tutorial/seminar, and up to 117 hours of self-study.
Campus: City University of Hong Kong

KCZ303 Hong Kong Media Map

Networks of industry and professional association are extremely important in media and communication industries. In this unit students will extend and apply their critical knowledge of media and communication to the task of deepening their understanding of these networks. Through developing and updating the Hong Kong Media Map—an online resource that profiles media and communication industries in Hong

Kong—students will also refine their project planning and management skills, information analysis skills, and team leadership and membership skills. Students will also explore ethical, communication, and intellectual property concerns that arise in the processes of undertaking a real-world media and communication industries project.

Equivalents: KCB303 **Credit points:** 12 **Contact hours:** 26 hours of lectures, 13 hours of tutorial/seminar, and up to 117 hours of self-study. **Campus:** City University of Hong Kong

KCZ304 Designing Communication Resources

Controlled media resources (such as brochures, booklets, information kits, promotional materials, and web sites) are common tools used during communication campaigns. This unit develops your abilities to devise effective resources for clients. You will develop critical and practical skills in evaluating resources, managing projects, researching the audience, writing and designing resources, testing your work, and seeing the product through to final production. The unit involves desktop publishing training, and offers you the opportunity to develop a print or electronic resource for a client.

Equivalents: KCB304, KCB335 **Credit points:** 12
Contact hours: 26 hours of lectures, 13 hours of tutorial/seminar, and up to 117 hours of self-study.
Campus: City University of Hong Kong

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.

Prerequisites: KDB103 (can be enrolled in the same teaching period) **Assumed knowledge:** Entry to this unit

is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol.

Equivalents: KDX111 **Credit points:** 12 **Contact hours:** 10.5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: (KDB101 or KDX111) and KDB104 (can be enrolled in the same teaching period) **Assumed knowledge:** Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries.

Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Equivalents:** KDX112 **Credit points:** 12 **Contact hours:** 7 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KDB103 Dance Technique Studies 1

This unit involves practical dance classes as on-going action research.

Assumed knowledge: Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol.

Equivalents: KDB180 **Credit points:** 12 **Contact hours:** BCI: 9 per week; BFA: 13.5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KDB104 Dance Technique Studies 2

This unit involves practical dance classes as on-going action research.

Prerequisites: KDB103 or KDB180 **Assumed knowledge:** Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Equivalents:** KDB181 **Credit points:** 12 **Contact hours:** BCI: 8 per week; BFA: 13.5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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

Equivalents: KDX104 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol.

Equivalents: KDX143 **Credit points:** 12 **Contact hours:** BCI: 4 per week; BFA: 2 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol.

Equivalents: KDB172 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Equivalents: KDB125 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KDB111 Performance in Context 1

This studio-based unit involves the making and performing of a dance work for public performance in either a theatrical, digital or site-specific domain.

Assumed knowledge: Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol.

Equivalents: KDB101, KDX111 **Credit points:** 12

Contact hours: 5.5 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-1

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.

Prerequisites: Completion of 48 credit points of Dance discipline units (KD% units) **Antirequisites:** KDP201
Equivalents: KDB421 **Credit points:** 12 **Contact hours:** 2.5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KDB201 **Antirequisites:** KDP202
Equivalents: KDB429 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KDB202 (can be enrolled in the same teaching period) **Antirequisites:** KDP203 **Credit points:** 12 **Contact hours:** 3.5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KDB204 Australian Dance

This unit includes a study of the ritual, artistic and social functions of dance in contemporary Australian society.

Equivalents: KDB114 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Antirequisites: KDP205 **Equivalents:** KDB117 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

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.

Prerequisites: KDB107 or KDX143 **Assumed knowledge:** Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Equivalents:** KDX144-2
Credit points: 6 **Contact hours:** 2 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-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.

Prerequisites: KDB207-1 or KDX144-1 **Equivalents:** KDX144-2 **Credit points:** 6 **Contact hours:** 2 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KDB208 Integrated Professional Skills

This is an integrated program building specific practical and psychological skills and strategies for career development and enhancement.

Equivalents: KDB221 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: (KDB102 or KDX112) and KDB213 (can be enrolled in the same teaching period) **Assumed knowledge:** Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Equivalents:** KDX141 **Credit points:** 12 **Contact hours:** 10 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: (KDB211 or KDX141) and KDB214 (can be enrolled in the same teaching period) **Assumed**

knowledge: Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Equivalents:** KDX142 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KDB213 Dance Technique Studies 3

This unit involves practical dance classes as on-going action research.

Prerequisites: KDB104 or KDB181 **Assumed knowledge:** Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Equivalents:** KDB182 **Credit points:** 12 **Contact hours:** BCI: 7.5 per week; BFA: 13.5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KDB214 Dance Technique Studies 4

This unit involves practical dance classes as on-going action research.

Prerequisites: KDB213 or KDB182 **Assumed knowledge:** Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Equivalents:** KDB183 **Credit points:** 12 **Contact hours:** BCI: 6 per week; BFA: 13.5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KDB215 Performance in Context 2

This studio-based unit involves the making and performing of a dance work for public performance in either a theatrical, digital or site-specific domain.

Prerequisites: KDB111 or KDB101 **Assumed knowledge:** Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KDB225 Music Theatre Skills

This unit provides students with an introduction to practical skills development in acting, dance and singing for music theatre.

Assumed knowledge: Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol.

Equivalents: KSB225, KSB011 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KDB207-2 or KDX144-2 **Assumed knowledge:** Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Equivalents:** KDB158 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KDB303 or KDB158 **Assumed knowledge:** Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Equivalents:** KDB159 **Credit points:** 12 **Contact hours:** 1 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KDB305 Performance in Context 3

This studio-based unit involves the making and performing of a dance work for public performance in either a theatrical, digital or site-specific domain.

Prerequisites: KDB215 **Assumed knowledge:** Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KDB306 Dance Project 1

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.

Prerequisites: KDB214 or KDB183 **Assumed knowledge:** Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Equivalents:** KDB301, KDB193 **Credit points:** 12 **Contact hours:** 17.5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KDB307 Dance Project 2

This capstone unit is designed to develop and showcase at a professional level your performative skills and artistry. It will allow you to connect with choreographers of national standing in order to experience the creation of professional dance work, culminating in public performances through the Dance Graduation Season.

Prerequisites: KDB306 **Assumed knowledge:** Entry to

this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Equivalents:** KDB302, KDB199
Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KDB310 Professional Dance Training 1

This unit is designed for you to develop the technical and interpretive dance skills acquired in the first two years of your course to a pre-professional level. Through embodied knowledge, emphasis is placed on specialist and alternative training methods in order to equip you with advanced technical skills; preparing you for the rapidly increasing demands placed on dance practitioners by the professional dance industry.

Prerequisites: KDB212 or KDX142 **Assumed knowledge:** Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Equivalents:** KDB301, KDB193
Credit points: 12 **Contact hours:** 15 per week
Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

KDB311 Professional Dance Training 2

This unit follows on from the technical and interpretive dance skills acquired in KDB310 Professional Dance Training 1. It is designed to facilitate your continued development in advanced technical skills training pitched at a professional level. Through embodied knowledge, emphasis is placed on specialist and alternative training methods at a professional level; preparing you for the rapidly increasing demands placed on dance practitioners by the professional dance industry. The culmination of this unit recreates a real life Audition experience through unseen practical examinations.

Prerequisites: KDB310 **Assumed knowledge:** Entry to this unit is subject to evidence of a high level of physical fitness, with no existing injuries. Hence, you may be required to obtain a physiotherapist report & have it approved by the unit coordinator before you will be permitted to enrol. **Equivalents:** KDB301, KDB193
Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Antirequisites: KDB201, KDB421 **Assumed knowledge:** Completion of 48 credit points of Dance discipline units is

assumed knowledge. **Credit points:** 12 **Contact hours:** 2.5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KDP201 **Antirequisites:** KDB202, KDB429 **Credit points:** 12 **Contact hours:** 3 per week
Campus: Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KDP202 (can be enrolled in the same teaching period) **Antirequisites:** KDB203 **Credit points:** 12 **Contact hours:** 3.5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: KFB401 **Credit points:** 12 **Contact hours:** 12 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KFB102 Design Studio 2

This unit aims to build on skills acquired in KFB101.

Prerequisites: KFB101 or KFB401 **Equivalents:** KFB402
Credit points: 12 **Contact hours:** Up to 12.5 per week
Campus: Kelvin Grove **Teaching period:** 2011 SEM-2

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:** 2.5 per week
Campus: Kelvin Grove

KFB104 Sustainability: The Materiality of 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.

Equivalents: KFB407-2, KFB104-2 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-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:** 2.5 per week
Campus: Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Equivalents: KVB107, KVB107-2, KVB757-2 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: KFB102 **Equivalents:** KFB201, KFB403
Credit points: 12 **Contact hours:** 12 per week
Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KFB200 or KFB201 or KFB403
Equivalents: KFB404 **Credit points:** 12 **Contact hours:** Up to 13 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-2

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.

Prerequisites: KFB103 or KJB224 (KJB224 can be enrolled in the same teaching period) **Assumed knowledge:** It is strongly recommended that prior to undertaking this unit students complete both KFB103 and KJB224. **Equivalents:** KJB339 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-2

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.

Equivalents: KFB105, KFB408 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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.

Equivalents: KFB202, KFB201 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: KFB103 **Assumed knowledge:** Completion of 72 credit points of study is assumed knowledge **Equivalents:** KFB201 **Credit points:** 12
Contact hours: 3.5 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-1

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.

Prerequisites: KFB202 or KFB404 **Equivalents:** KFB405

Credit points: 12 **Contact hours:** 10 per week

Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KFB301 or KFB405 **Equivalents:** KFB406

Credit points: 24 **Contact hours:** Up to 19.5 per week

Campus: Kelvin Grove **Teaching period:** 2011 SEM-2

KFB303 Fashioning Futures

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.

Equivalents: KFB412 **Credit points:** 12 **Contact**

hours: 2 per week **Campus:** Kelvin Grove **Teaching**

period: 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: KFB056 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Kelvin Grove **Teaching**

period: 2011 SEM-1

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.

Equivalents: KIB801 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Kelvin Grove and

Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: KIB101 or KIB801 or KPB101 or KPB150 or

KPB155 **Equivalents:** KIB802 **Credit points:** 12

Contact hours: 3.5 per week **Campus:** Kelvin Grove

Teaching period: 2011 SEM-2

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.

Antirequisites: INB271, KIP403 **Equivalents:** KIB807,

KKB007, KKB818 **Credit points:** 12 **Contact hours:** 3

per week **Campus:** Kelvin Grove **Teaching period:**

2011 SEM-1

KIB104 Digital Media

This unit explores multimedia development and design concepts and practices and investigates the user and user interaction principles.

Equivalents: KIB808 **Credit points:** 12 **Contact**

hours: 3 per week **Campus:** Kelvin Grove **Teaching**

period: 2011 SEM-1 and 2011 SEM-2

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

Equivalents: KIB804 **Credit points:** 12 **Contact**

hours: 3 per week **Campus:** Kelvin Grove **Teaching**

period: 2011 SEM-2

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.

Equivalents: KIB825 **Credit points:** 12 **Contact**

hours: 3 per week **Campus:** Kelvin Grove **Teaching**

period: 2011 SEM-1

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.

Equivalents: KIB816 **Credit points:** 12 **Contact**

hours: 3 per week **Campus:** Kelvin Grove **Teaching**

period: 2011 SEM-1

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.

Prerequisites: KIB201 **Equivalents:** KIB814 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Antirequisites: INB270 **Assumed knowledge:** Fluency in the use of typical multimedia software applications is assumed knowledge. **Equivalents:** KIB210 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KIB102 or KIB202 or KIB802 or KIP402 **Equivalents:** KIB210 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KIB204 or KIB230 **Equivalents:** KIB211, KIB817 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KIB105 and KVB106 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KIB105 or KIB804 **Equivalents:** KIB213 **Credit points:** 12 **Contact hours:** Up to 6 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KIB111 or KIB203 or KIB107 or (KIB105 and KIB108 and KVB106) **Equivalents:** KIB106, KIB807 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KIB101 or KIB801 **Equivalents:** KIB211
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-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.

Prerequisites: KIB216 or KIB205 or INB385
Equivalents: KIB311 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KIB309 **Equivalents:** KIB311 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KIB315 Contemporary Issues in Digital Media

The ubiquitous uptake of new technologies in communication, social interaction, and artistic expression has changed the way that we conceptualize art and design. Designing within a contemporary context requires a sophisticated understanding of new design practices, methods, and theoretical models. This theory unit is designed to create an awareness of contemporary design

practices, theories, and historical and philosophical contexts; and to develop the critical, creative and analytical thinking that is required for design innovation. The unit will be taught through a combination of lectures, seminars and presentations.

Prerequisites: Completion of 168cp of study
Equivalents: KIB813 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KIB325 **Equivalents:** KIB310, KIB821
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KIB221 or KIB213 **Equivalents:** KIB312
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KIB320 **Equivalents:** KIB313 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: Completion of 168 credit points of study
Equivalents: KIB806 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

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.

Prerequisites: KIB225 **Equivalents:** KIB310, KIB821
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KIB335 Typography and Illustration

Typography and illustration are essential components of graphic design for both print and electronic media. This unit will focus on techniques of type design, appropriate use of type forms, the design and incorporation of lettering, and the expressive and communication uses of typography. It will also cover the history, uses, and processes of illustration and its application within visual design and communication. Lectures will introduce design history, techniques and approaches, which will be applied in design studios.

Prerequisites: KVB204 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KIB120 or KVB204 **Antirequisites:** KCP361, KCP405 **Credit points:** 12 **Contact hours:** 3 per week, plus several workshops during semester
Campus: Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Antirequisites: KIB101, KIB801 **Credit points:** 12
Contact hours: 4 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: KIB102, KIB802 **Credit points:** 12
Contact hours: 3.5 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-2

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.

Antirequisites: KIB103, KIB807 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-1 and 2011 SEM-2

KIP404 Digital Media

This unit explores multimedia development and design concepts and practices and investigates the user and user interaction principles.

Antirequisites: KIB104, KIB808 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: KIB105, KIB804 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-2

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.

Prerequisites: KK86MJR-INVISDN - Interactive and Visual Design Major or KK86MJR-ANIMATN - Animation Major
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KCP404, KCP360 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove

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.

Prerequisites: KIP424, KCP404, or KCP360 (can be enrolled in the same teaching period) **Equivalents:** KCP406, KCP362 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: KJP401 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: KJB120 **Antirequisites:** KJP402 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: KJB120 or KJP400 **Equivalents:** KJB322 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KJB121 or KJP402 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KJB120 or KWB107 or KWB381 **Antirequisites:** KJP403 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: KJB121 **Antirequisites:** KJP404, KJB232
Credit points: 24 **Contact hours:** 5 per week
Campus: Kelvin Grove **Teaching period:** 2011 SEM-2

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:** 3.5 per week
Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KJB120 or KJP401 **Credit points:** 12
Contact hours: 4 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-2

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.

Prerequisites: KJB120 or KJP400 **Equivalents:** KJB322
Credit points: 12 **Contact hours:** 3 per week
Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

KJB323 Online Journalism 2

All media outlets now have a visible and increasing online news presence. This unit builds on the foundations established in Online Journalism 1 to equip students with the skills and theory needed to compete in this multimedia

news world. Students will receive practical hands-on training allowing them to incorporate text, audio, video and still images into timely online news and feature reports. They will be required to consider the application of other online communication tools (Blogs, wikis, Myspace, YouTube etc) in a modern journalistic environment. The praxis-based unit will see students work in rostered teams to create journalistic copy to be published online. They will also work independently to develop individual news or feature story highlighting the innovative possibilities of the online journalism medium.

Prerequisites: KJB222 **Credit points:** 12 **Contact hours:** 1 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KJB338 **Other requisites:** Successful completion (grade of 4 or higher) in KJB235 Radio and Television Journalism 1 PLUS an overall course GPA of 5 or higher **Credit points:** 24 **Contact hours:** 2 per week
Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KJB120 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Equivalents: KJP105 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KJP120 **Credit points:** 12 **Contact hours:** 3 per week, plus several seminars during semester
Campus: Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: KVP402 **Equivalents:** KJP121 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: KJP224 **Credit points:** 12 **Contact hours:** 3 per week, plus several seminars during semester **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: KJP401 or KJP120 or KJP402 or KJP121 **Antirequisites:** KJB235 **Equivalents:** KJP232 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KKB101 Creative Industries: People and Practices

The development of the creative industries has been identified as a central element of the contemporary knowledge-based economy, which is informational, global and networked. 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. This unit is the first of two Creative Industries Foundations units which focus on building an understanding of creative industries practices and a diverse range of literacies essential to working in this new knowledge economy.

Equivalents: KKB009, KKB618 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1

KKB102 Creative Industries: Making Connections

The ability to work collaboratively and to communicate effectively is essential for all Creative Industries professionals. In this unit you will have the opportunity to acquire and apply research, collaborative practices and project management skills through the collaborative development of a Creative Industries project proposal. This unit is a complement to KKB101 Creative Industries: People and Practices and examines the practical requirements of contributing to cultures and establishing connections with communities.

Assumed knowledge: KKB101 is assumed knowledge.

Equivalents: KKB007, KKB818 **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-2

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.

Antirequisites: LWS009 **Equivalents:** KKB275 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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:** 4 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1

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:** 4 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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.

Prerequisites: KKB102 or KKB007 or KKB818 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KKB221 **Credit points:** 12 **Contact hours:** 3.5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KKB341 Creative Industries Internship 1

It is important that Creative Industries students gain real work industry-based 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 advanced-level (capstone) 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.

Prerequisites: Completion of 168 credit points of study
Antirequisites: KKB343, KKB344 **Credit points:** 12
Contact hours: Varies according to discipline-specific internship requirements **Campus:** Kelvin Grove
Teaching period: 2011 SEM-1, 2011 SEM-2 and 2011 SUM

KKB342 Creative Industries Internship 2

It is important that Creative Industries professionals gain real work industry-based 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 advanced-level capstone unit is offered during the final year of an undergraduate degree, that builds upon and strengthens knowledge and skills acquired in KKB341 Internship 1.

Prerequisites: KKB341 (can be enrolled in the same teaching period) or KKB343 **Antirequisites:** KKB344
Credit points: 12 **Contact hours:** Varies according to discipline-specific internship requirements **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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. Normally projects are advertised in the preceding semester through the Ci Transitions Hub (log on to BB > Community top tab > Creative Industries > CI_Transitions). For some students this unit will be taken as the first of two 'project' units related to the same project, in such cases this unit may be a prerequisite or corequisite to the second unit, KKB346 Creative Industries Project 2.

Prerequisites: Completion of 72 credit points of Creative Industries units (K%B% units) **Credit points:** 12

Contact hours: About 150 hours across the semester.

Campus: Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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. Normally projects are advertised in the preceding semester through the Ci Transitions Hub (log on to BB > Community top tab > Creative Industries > CI_Transitions). For some students this unit will be taken as the second of two 'project' units related to the same project, in such cases the first unit (KKB345) may be a prerequisite or corequisite to the second unit (KKB346).

Prerequisites: KKB345 (can be enrolled in the same teaching period) **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 **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: Completion of 192cp of study **Assumed knowledge:** Students are expected to have a GPA of 5 or above. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: Completion of 72 credit points of study (K% units) **Credit points:** 12 **Contact hours:** 2-3 week tour and several lectures during semester **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: KKB009, KKB618 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1 and 2011 13TP3

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.

Assumed knowledge: KKD101 is assumed knowledge **Equivalents:** KKB007, KKD818 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP2

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.

Equivalents: KKN330, KKN340-1, KKN340-2 **Credit points:** 12 **Contact hours:** Between 90 and 100 hours duration **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2 and 2011 SUM

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.

Equivalents: KKN320, KKN340-1, KKN340-2 **Credit points:** 24 **Contact hours:** Up to 200 hours duration **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Equivalents: KKN320, KKN330 **Credit points:** 12 **Contact hours:** Up to 200 hours duration across both KKN340-1 and KKN340-2 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SUM

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.

Prerequisites: KKN340-1 **Equivalents:** KKN320, KKN330 **Credit points:** 12 **Contact hours:** Up to 200 hours duration across both KKN340-1 and KKN340-2 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SUM

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: KKP003 **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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: KKP004-1 (can be enrolled in the same teaching period) **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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: KKP004-2 (can be enrolled in the same teaching period) **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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: KKP004-3 (can be enrolled in the same teaching period) **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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 an in-depth project over two semesters that can be a) a thesis dissertation or b) a project is made up of critical work (an exegesis) produced in association with professional or creative practice. This work thus demonstrates advanced competence, skills or analytical ability in a chosen discipline and/or interdisciplinary skills or analytical ability. KKP400 is a multi-component unit and all five components must be completed to obtain final credit points.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 an in-depth project over two semesters that can be a) a thesis dissertation or b) a project is made up of critical work (an exegesis) produced in association with professional or creative practice. This work thus demonstrates advanced competence, skills or analytical ability in a chosen discipline and/or interdisciplinary skills or analytical ability. KKP400 is a multi-component unit and all five components must be completed to obtain final credit points.

Prerequisites: KKP400-1 (can be enrolled in the same teaching period) **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-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 an in-depth project over two semesters that can be a) a thesis dissertation or b) a project is made up of critical work (an exegesis) produced in association with professional or creative practice. This work thus demonstrates advanced competence, skills or analytical ability in a chosen discipline and/or interdisciplinary skills or analytical ability. KKP400 is a multi-component unit and all five components must be completed to obtain final credit points.

Prerequisites: KKP400-2 (can be enrolled in the same teaching period) **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 an in-depth project over two semesters that can be a) a thesis dissertation or b) a project is made up of critical work (an exegesis) produced in association with professional or creative practice. This work thus demonstrates advanced competence, skills or analytical ability in a chosen discipline and/or interdisciplinary skills or analytical ability. KKP400 is a multi-component unit and all five components must be completed to obtain final credit points.

Prerequisites: KKP400-3 (can be enrolled in the same teaching period) **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 an in-depth project over two semesters that can be a) a thesis dissertation or b) a project is made up of critical work (an exegesis) produced in association with professional or creative practice. This work thus demonstrates advanced competence, skills or

analytical ability in a chosen discipline and/or interdisciplinary skills or analytical ability. KKP400 is a multi-component unit and all five components must be completed to obtain final credit points.

Prerequisites: KKP400-4 (can be enrolled in the same teaching period) **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP401 Honours Graduate Seminar

This is a seminar program of formal presentations and in-class workshops designed to review your progress to date and to assist in refining key areas of your project prior to submission for examination. You are expected to notify your Project Supervisor of your content in this Unit and invite your Supervisor to the oral presentation of your research findings.

Equivalents: KKN002 **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: GSN225 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KKP403 Transmedia Storytelling: From Interviewing to Multi-Platform

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.

Prerequisites: Completion of 48cp of study **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Equivalents: KCP018, KCP401 **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove

Teaching period: 2011 SEM-1

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.

Equivalents: KCP403, KCP353 **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.

Equivalents: KCP407, KCP354 **Credit points:** 12

Contact hours: 2.5 per week **Campus:** Kelvin Grove

Teaching period: 2011 SEM-2

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.

Equivalents: KCP408, GSN228 **Credit points:** 12

Contact hours: 2 per week **Campus:** Kelvin Grove

Teaching period: 2011 SEM-2

KKP409 Approaches to Honours Enquiry

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. You will be undertaking this unit with your Honours cohort and attending certain lectures in the postgraduate mode for this material, KKP601 Approaches to Enquiry in the Creative Industries, as nominated by the Honours Coordinator.

Corequisites: KKP400-1 **Equivalents:** KKB347 **Credit**

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

Grove Teaching period: 2011 SEM-1

KKP410 Fundamental Media Skills for the Workplace

This unit introduces an array of media products that are often used in the workplace and allows students hands on experience of making media products. To discover principles of communication underlying practice, classes will discuss the use of a variety of media platforms, channels and tools.

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

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:** 2 per week **Campus:**

Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: KKN065 **Credit points:** 12 **Contact**

hours: Up to 3 per week **Campus:** Kelvin Grove

Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: KKN072 **Credit points:** 12 **Contact**

hours: 1 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Equivalents: KKN011 **Credit points:** 24 **Contact hours:** As arranged with the unit coordinator **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KKN013 **Credit points:** 24 **Contact hours:** 1 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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).

Equivalents: KKN010-1 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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).

Prerequisites: KKP613-1 (can be enrolled in the same teaching period) **Equivalents:** KKN010-2 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-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).

Prerequisites: KKP613-2 (can be enrolled in the same teaching period) **Equivalents:** KKN010-3 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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).

Prerequisites: KKP613-3 (can be enrolled in the same teaching period) **Equivalents:** KKN010-4 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: KKP601 or KKN020 **Equivalents:** KKN200 **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: KKN006 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP617-1 DCI Professional Project 1 (1/8)

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.

Prerequisites: Completion of 48 credit points of study
Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP617-2 DCI Professional Project 1 (2/8)

See KKP617-1 for details.

Prerequisites: KKP617-1 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP617-3 DCI Professional Project 1 (3/8)

See KKP617-1 for details.

Prerequisites: KKP617-2 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP617-4 DCI Professional Project 1 (4/8)

See KKP617-1 for details.

Prerequisites: KKP617-3 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP617-5 DCI Professional Project 1 (5/8)

See KKP617-1 for details.

Prerequisites: KKP617-4 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP617-6 DCI Professional Project 1 (6/8)

See KKP617-1 for details.

Prerequisites: KKP617-5 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP617-7 DCI Professional Project 1 (7/8)

See KKP617-1 for details.

Prerequisites: KKP617-6 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP617-8 DCI Professional Project 1 (8/8)

See KKP617-1 for details.

Prerequisites: KKP617-7 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP618-1 DCI Professional Project 2 (1/8)

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.

Prerequisites: KKP617-8 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP618-2 DCI Professional Project 2 (2/8)

See KKP618-1 for details.

Prerequisites: KKP618-1 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

SEM-2

KKP618-3 DCI Professional Project 2 (3/8)

See KKP618-1 for details.

Prerequisites: KKP618-2 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP618-4 DCI Professional Project 2 (4/8)

See KKP618-1 for details.

Prerequisites: KKP618-3 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP618-5 DCI Professional Project 2 (5/8)

See KKP618-1 for details.

Prerequisites: KKP618-4 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP618-6 DCI Professional Project 2 (6/8)

See KKP618-1 for details.

Prerequisites: KKP618-5 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP618-7 DCI Professional Project 2 (7/8)

See KKP618-1 for details.

Prerequisites: KKP618-6 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKP618-8 DCI Professional Project 2 (8/8)

See KKP618-1 for details.

Prerequisites: KKP618-7 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: KKP602, KKN061 **Credit points:** 12

Contact hours: 2 per week **Campus:** Kelvin Grove

Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: KKP602, KKN061 **Credit points:** 12

Contact hours: 2 per week **Campus:** Kelvin Grove

Teaching period: 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: KKP620 and KKP621; or KKP602 or KKN061 **Equivalents:** KKP605, KKN062 **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KKZ301 Creative Industries in Asia

The Asian region has been one of the most dynamic regions in the world over the last three decades. Economic growth and industrialisation, greater openness to the global economy, and the rise of mass media and consumer society, have led to dramatic changes in the media and cultural industries throughout the region. Forces associated with the rise of creative industries, such as globalisation, the knowledge-based economy, and media and communications networks are significantly shifting public policy, and raising new challenges, tensions and contradictions in politics, economics and culture.

Credit points: 12 **Contact hours:** 26 hours of lectures, 13 hours of tutorial/seminar, and up to 117 hours of self-study. **Campus:** City University of Hong Kong

KKZ302 Global Media and Communication

This unit is important for those seeking to undertake research and professional practice in an increasingly globalised media and communications environment. It develops analytical skills and uses applied case studies to understand the changing global geography of media and its implications for media industries, media professionals and cultural flows across and between nations and regions.

Credit points: 12 **Contact hours:** 26 hours of lectures, 13 hours of tutorial/seminar, and up to 117 hours of self-study. **Campus:** City University of Hong Kong

KKZ341 Internship

It is important that Creative Industries professionals gain real work experience in order to link University study with professional practice. You need to equip themselves not only with skills and discipline knowledge but also with understandings and experience in order that you may function and flourish when you enter the workplace. This capstone unit is offered to enable you to apply appropriate, transferable skills developed throughout your studies to a workplace or professional context.

Equivalents: KKB341 **Credit points:** 12 **Campus:** City University of Hong Kong

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.

Equivalents: KMB640 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: A knowledge of music fundamentals is assumed knowledge. **Equivalents:** KMB631 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KMB102 (can be enrolled in the same teaching period) **Assumed knowledge:** Contact Unit Coordinator **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

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.

Equivalents: KMB638 **Credit points:** 12 **Contact hours:** 2.5 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-2

KMB119 Music and Sound Production 1

This unit introduces students to the fundamentals principles of music and sound production through a mix of theory and practice. Students gain an understanding of sound recording, sound production and live sound reinforcement and develop listening skills essential for music and sound production.

Equivalents: KMB108, KMB621 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KMB122 Music and Sound Concepts 1

This is the first of two units exploring and engaging with key concepts in music and sound. The unit encompasses both criticism and analysis as well as creative practice and experimentation and draws on a wide spectrum of contemporary and historical music and sound examples.

Equivalents: KMB130, KMB632 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KMB125 Creative Studio 1

To achieve success as a musician, you will need to form and negotiate your creative identity within a complex field of

musical practice. This unit builds your critical and practical skills in the creation and presentation of music. As the first of two foundation units in creative music practice, it develops your skills in exploring and presenting musical ideas with peers in a supportive, staff directed environment.

Equivalents: KMB110, KMB657, KMB120, KMB651

Credit points: 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KMB129 Music and Sound Production 2

This unit builds on Music and Sound Production 1. It introduces students to sound synthesis and signal processing and extends the students understanding of the approaches and aesthetics underpinning creative music and sound production. Students will further develop practical skills in music and sound composition and deepen their knowledge of the hardware and software commonly used in creative production.

Equivalents: KMB105, KMB619 **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove

Teaching period: 2011 SEM-2

KMB132 Music and Sound Concepts 2

This is the second of two units exploring and engaging with key concepts in music and sound. The unit extends the critical and analytical skills developed in Music and Sounds Concepts 1 as well as developing a broader understanding of strategies for creative practice and experimentation by critically listening to a wide spectrum of contemporary and historical music and sound examples.

Prerequisites: KMB122 **Equivalents:** KMB131, KMB633

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

Campus: Kelvin Grove **Teaching period:** 2011 SEM-2

KMB135 Creative Studio 2

This unit builds on, and extends the skills in music creation and presentation covered in Creative Studio 1. It introduces you to a broader range of contemporary approaches to music creation and performance and assists you to clearly identify the skill and resource requirements associated with different music practices. As the second of two foundation units in creative music practice, it develops and consolidates your skills in exploring and presenting musical ideas with peers in a controlled, staff directed environment.

Prerequisites: KMB125 or KMB110 or KMB657 or KMB120 or KMB651 **Equivalents:** KMB111, KMB658, KMB121,

KMB652 **Credit points:** 12 **Contact hours:** 5 per week

Campus: Kelvin Grove **Teaching period:** 2011 SEM-2

KMB200 Music Scenes and Subcultures

This unit will explore many of the major musical subcultural movements of the last sixty years through an interdisciplinary approach. To understand how music operates as a form of social, cultural and political communication this unit explores the various contexts in which music circulates and is made meaningful.

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

Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: Completion of 48 credit points of Music discipline units (KMB% units) **Antirequisites:** KMP201

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KMB202 (can be enrolled in the same teaching period) **Antirequisites:** KMP203 **Credit**

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

Grove **Teaching period:** 2011 SEM-1

KMB219 Music and Sound Production 3

This unit builds upon the first year foundation units in Music and Sound Production. It introduces students to the recording studio control room, focussing on microphone captured audio and the integration of electronic and acoustic resources and extends the student's understanding of the approaches and aesthetics underpinning creative music and sound production. Students will further develop practical skills in music and sound composition and deepen their knowledge of the hardware and software commonly used in creative production.

Prerequisites: KMB129 or KMB105 or KMB619 **Credit**

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

Grove **Teaching period:** 2011 SEM-1

KMB225 Creative Studio 3

This unit builds on, and extends, the concepts relating to music creation and presentation covered in Creative Studio 1 and 2. It assists students in establishing their identity as an artist and locating their work within a broader field of practice. It will also introduce students to the role of the creative collaborator. The unit will introduce students to strategies for audience engagement, promotion and event curation. In consultation with studio staff, students will formulate a program of work for the semester that allows them to identify and investigate their personal artistic direction. Students will also be introduced to the design and execution of successful music events and presentations.

Prerequisites: KMB141 or KMB135 or KPB105 or KMB111 or KMB658 or KMB121 or KMB652 or KPB185 or KPB260

Equivalents: KMB214-2 **Credit points:** 12 **Contact**

hours: 5 per week **Campus:** Kelvin Grove **Teaching**

period: 2011 SEM-1

KMB229 Music and Sound Production 4

This unit builds upon Music and Sound Production 1, 2 and 3. It introduces students to the concept of the studio as an instrument. By developing advanced studio recording techniques and focussing on creative relationships, it extends the student's understanding of the approaches and aesthetics underpinning creative music and sound production. Students will further develop practical skills in music and sound composition and deepen their knowledge

of the hardware and software commonly used in creative production.

Prerequisites: KMB219 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KMB235 Creative Studio 4

This unit builds on, and extends, the concepts relating to music creation and presentation covered in Creative Studio 1, 2 and 3. It assists students in consolidating their identity as an artist and collaborator, and in positioning their work within a broader field of practice. The unit will build students' skills in audience engagement, promotion and event curation in off campus contexts. In consultation with studio staff, students will propose a program of work for the semester and be mentored in bringing their projects to successful public outcomes both on and off campus.

Prerequisites: KMB225 or KMB214-2 **Equivalents:** KMB214-2 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KMB250 Creative Performer 1

This unit aims to develop the skills and understanding necessary for generating original creative work through extension and experimentation. It adds to the foundational knowledge and ideas delivered in Music and Sound Concepts 1 & 2 and draws on technical content introduced in Music and Sound Production 1 & 2.

Prerequisites: KMB141, KMB119 and KMB129 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KMB251 Creative Performer 2

This unit adds to the contextual knowledge and conceptual frameworks delivered in Creative Performer 1 and further develops the skills required to generate original creative work at a greater depth of experimentation and musical knowledge.

Prerequisites: KMB250 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KMB252 Multi-Platform Sound Design

This unit builds on previous sound design knowledge and uses a range of tools to design and develop sound content for multi platform television, mobile phones, web, games, virtual worlds and social networks. Students gain an understanding of a variety of working methods and delivery formats and develop practical skills essential to successful collaboration and creation.

Assumed knowledge: Knowledge of sound editing software is assumed. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KMB301 The Music Industry

This unit gives a working knowledge of the structural, legal and business aspects of the Australian music industry by engaging with real world music industry professionals and formulating a number of strategies to reflect this.

Equivalents: KMB056 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching**

period: 2011 SEM-2

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.

Prerequisites: KMB214-2 or KMB221 or KMB654 or KMB211 **Credit points:** 24 **Contact hours:** 7-9 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 24 **Contact hours:** 7-9 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-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.

Antirequisites: KMB101 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Antirequisites: KMB201 **Assumed knowledge:** Completion of 48 credit points of Music discipline units (KM% units) is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KMP201 **Antirequisites:** KMB202 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KMP202 (can be enrolled in the same teaching period) **Antirequisites:** KMB203 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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

Prerequisites: KK86MJR-MUSCSND - Music and Sound Major **Assumed knowledge:** Contact Unit Coordinator **Equivalents:** KMN630 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KPB101 Introduction to Film, TV and New Media 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.

Equivalents: KPB150, KPB155 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: KPB314 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KPB101 or KPB155 or KPB150 **Equivalents:** KPB185, KPB260 **Credit points:** 12 **Contact hours:** Average of 4 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KPB109 Film and TV History

Television and film are among the most influential forms of representation developed over the past century. An appreciation of the history and influence of narrative styles and industrial movements emphasizes the important changes in technology and aesthetics that have contributed to making these media potent cultural forces. The history of narrative and movements needs to be considered alongside the production and viewing of television and film as entertainment, information and art.

Equivalents: KPB102, KPB359 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KPB110 The Movie, TV & New Media Business

The movie, TV and new media businesses are key parts of the entertainment industry, which is one of the biggest in the world. For anyone interested in working in these media an understanding of how they function as businesses is vital. This unit provides an introduction to producing, writing and theoretical aspects of the movie, TV and new media businesses.

Equivalents: KPB106, KPB209 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KPB112 TV and Film Genres

Genre matters — for creators of genre films and television productions, for distributors, and for audiences. Film and television genres continue to evolve in response to entertainment and artistic imperatives in the contemporary new media environment. It is therefore important to consider similarities, differences, and connections between related genres on film and television, as well as those genres unique to television.

Equivalents: KPB103, KPB107, KPB372-2 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KPB113 TV and Film Text Analysis

In an era when film and television texts are being transformed by digital media formats, media practitioners (including creative artists, critics, and educators) value a media literacy based on critical and informed approaches to textual analysis. Taking into account the new media environment, selected techniques for undertaking textual analysis are applied to popular film and television such as blockbuster movies and cult television programs.

Equivalents: KPB108, KPB130 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KPB105 or KPB185 or KWB102 or KWB111

Equivalents: KPB190 **Credit points:** 12 **Contact hours:** 12 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KPB104 or KPB314 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KPB358 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Equivalents: KPB344 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KPB207 Film and Television Scriptwriting

This unit focuses on the production of a sustained script for film or television.

Equivalents: KWB229, KWB105 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KPB211 Writing Dialogue

Dialogue is a vital part of any script. It must fit the characters; it must advance the story; it should be interesting, colourful or funny; and it should avoid exposition. In this unit you will learn the skills for writing good dialogue for television, film and new media projects.

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

Kelvin Grove **Teaching period:** 2011 SEM-2

KPB212 Australian Film and TV

This unit includes the following: study of Australian film and television productions within their cultural and institutional contexts; issues facing the film and television industry today; the construction and circulation of cultural discourses such as national identity, nationalism, gender, ethnicity and class; experimental film and television; indigenous productions; new technological and global challenges.

Equivalents: KPB203, KPB343, KPB106 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KPB213 Multi-Camera TV Studio Production

Students seeking employment in the media production industries require knowledge, skill and experience in a wide variety of production styles, including multi-camera TV studio production. This unit builds on skills and knowledge developed in previous units and provides an understanding of the workings of multi-camera TV studio production and practical production skills as crew members.

Prerequisites: KPB201 or KPB190 **Equivalents:** KPB204, KPB265 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KPB214 Single Camera TV Production

Students seeking employment in the Film and Television industry require knowledge and experience in a wide variety of production styles, including single-camera TV production. This unit builds on skills and knowledge already developed in previous units and provides an understanding of the workings of single-camera TV production and practical production skills as crew members.

Equivalents: KPB204, KPB265 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KPB204 or KPB265 or KPB205 or KPB358 **Equivalents:** KPB360 **Credit points:** 24 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KPB302 Project Development and Script Editing for TV and Film

A key part of the television and film industries is the large amount of time devoted to the development of projects. Substantial resources are devoted to identifying ideas, developing them, script editing and rewriting and market testing. In this unit you will go through this process as you develop a project for production.

Prerequisites: KPB210 or KPB104 or KPB314 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

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

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.

Prerequisites: KPB301 or KPB360 or KPB308 or KPB268

Equivalents: KPB270 **Credit points:** 24 **Contact hours:** Average of 7 per week **Campus:** Kelvin Grove

Teaching period: 2011 SEM-2

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.

Equivalents: KPB268 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KPB310 Television Practice

This unit is the culmination of BFA (Television Producing) students' learning over the preceding five semesters and is an opportunity to put into practice the skills and knowledge acquired over that period such as an understanding of audiences and the management of the production process. By responding to a program brief, students will learn the process and practice involved in the development, managing and production of television programs. The brief will be realised either in a workplace environment or in a simulated production environment with all facets of a real workplace. Delivery of this unit will be through a weekly workshop.

Prerequisites: KPB302 **Equivalents:** KPB304 **Credit points:** 24 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KRB105 Theatrecraft

This unit involves development of practical skills in workshop construction and pre-production areas of stage scenery, props and costumes.

Corequisites: KRB101 and KRB111 **Equivalents:** KSB105, KSB274 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KRB111 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.

Corequisites: KRB101 and KRB105 **Equivalents:** KSB111, KSB292 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KRB113 Technical Production 1

This unit develops basic skills in theatrical lighting and sound operation and their integration into the overall production process.

Corequisites: KRB105 and KRB111 **Equivalents:** KSB113, KSB289 **Credit points:** 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KRB114 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.

Prerequisites: KRB113 or KSB113 or KSB289 or KRB111 or KSB111 or KSB292 **Antirequisites:** KRB104

Equivalents: KSB114, KSB018 **Credit points:** 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KRB120 Scenography and the Art of Technical Theatre

This unit introduces students to theoretical concepts and principles associated with scenography, historical trends in technical theatre and the background associated with the broad vocabulary of technical theatre terminology.

Credit points: 12 **Contact hours:** 2 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KRB121 Visual Theatre

This unit introduces students to the concepts and principles associated with traditional visual theatre design. It is a studio-based unit comprised predominantly of ongoing practical work that students complete under the close guidance and instruction of QUT academic staff and external industry professionals.

Prerequisites: KRB120 (can be enrolled in the same teaching period) **Equivalents:** KSB215, KSB276 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KRB211 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.

Corequisites: KRB217 **Assumed knowledge:** Concurrent enrolment in KSB215 is strongly recommended. **Equivalents:** KSB211 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KRB212 Stage Management 3

This unit broadens the skills base for stage managers into production and event management.

Prerequisites: KRB211 or KSB211 or KSB293
Corequisites: KRB218 **Equivalents:** KSB212, KSB294
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KRB217 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.

Prerequisites: KRB114 or KSB114 or KSB018
Corequisites: KRB211 **Assumed knowledge:** Concurrent enrolment in KSB215 is strongly recommended.
Equivalents: KSB217, KSB290, KSB213 **Credit points:** 24 **Contact hours:** 8 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KRB218 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.

Prerequisites: KRB217 or KSB217 or KSB213 or KSB290
Corequisites: KRB212 **Equivalents:** KSB218, KSB214, KSB291 **Credit points:** 24 **Contact hours:** 8 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KRB220 The Scenographic Divide

This unit challenges students to undertake a detailed interrogation of the tensions between the practice of traditional stage design and the theoretical concepts and principles associated with scenography.

Prerequisites: KRB120 **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Kelvin Grove

KRB221 Intermedial Applications for the Theatre

This unit introduces students to the concepts and principles associated with intermedial applications in the theatre. It is a

studio-based unit comprised predominantly of ongoing practical work that students complete under the close guidance and instruction of QUT academic staff and external industry professionals.

Prerequisites: KRB121 and KRB220 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove

KRB301 Technical Production Practice A

This unit aims to expose you to the rigors of public performance and production processes by providing you with production-based opportunities. This unit provides students with roles on production and events in senior creative and/or management capacities with the associated professional and management ethic and artistic expectations. In the third year of the course, this unit is placed when you are most able to transfer the theoretical and practical skills you have gained this far in practical production contexts.

Prerequisites: (KRB218 or KSB218 or KSB214 or KSB291) and (KRB212 or KSB212 or KSB294) **Equivalents:** KSB301, KSB255 **Credit points:** 24 **Contact hours:** 200 (approx. minimum) per production/event **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KRB302 Technical Production Practice B

This unit further consolidated the skills acquired in Technical Production Practice A (KRB301), in a professional setting under conditions that you, as a potential graduate, can expect to find in the industry. This unit provides students with roles on productions and events in senior creative and/or management capacities and prepares students for entry into the industry through high-profiled productions; enhancing professional and management ethic and artistic expectations. This unit provides a production-based opportunity different to that undertaken in Technical Production Practice A (eg genre, venue, role).

Prerequisites: KRB301 **Equivalents:** KSB301, KSB255 **Credit points:** 24 **Contact hours:** 200 (approx. minimum) per production/event **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KRB303 Advanced Technical Production Practice A

This unit aims to expose you to the rigors of industry-standard production processes by providing opportunities in senior creative and/or management capacities with the associated professional and management ethic and artistic expectations. Student can choose to undertake a role on a Creative Industries Production/Event OR Industry Secondment OR Placement with an established production partner/project. This unit aims to encourage students to be pro-active in seeking opportunities for professional exposure and development.

Prerequisites: KRB301 (can be enrolled in the same teaching period) **Equivalents:** KSB302, KSB256 **Credit points:** 24 **Contact hours:** 100-150 (approx) per production/event/placement. *Note that these are direct contact hours as, at this stage, students should be working independently with good time management. **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KRB304 Advanced Technical Production Practice B

This unit aims to expose you to the rigors of industry-standard production processes by providing opportunities in

senior creative and/or management capacities with the associated professional and management ethic and artistic expectations. Student can choose to undertake a role on a Creative Industries Production/Event OR Industry Secondment OR Placement with an established production partner/project. This unit aims to encourage students to be pro-active in seeking opportunities for professional exposure and development. Students who have, previously, undertaken roles on QUT productions (only) can only undertake the Industry Secondment or Placement pathway of this unit.

Prerequisites: KRB302 (can be enrolled in the same teaching period) **Equivalents:** KSB302, KSB256 **Credit points:** 24 **Contact hours:** 100-150 (approx) per production/event/placement. *Note that these are direct contact hours as, at this stage, students should be working independently with good time management. **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Corequisites: KSB103 **Antirequisites:** KSB107 **Equivalents:** KSB202 **Credit points:** 12 **Contact hours:** 20 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KSB102 Acting 2

This unit continues instrument work and the introduction of craft techniques, dealing with contemporary naturalistic texts for stage, film and television.

Prerequisites: KSB101 or KSB202 **Credit points:** 12 **Contact hours:** 10 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Corequisites: KSB107 **Equivalents:** KSB204 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KSB103 or KSB204 **Equivalents:** KSB205 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KSB104 or KSB205 **Corequisites:**

KSB229 Credit points: 12 **Contact hours:** 6 per week **Campus:** Kelvin Grove

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.

Prerequisites: KSB223 or KSB233 **Equivalents:** KSB234 **Credit points:** 12 **Contact hours:** 20 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KSB102 or KSB203 **Corequisites:** KSB223 **Equivalents:** KSB221, KSB247 **Credit points:** 24 **Contact hours:** 35 hours contact per week **Campus:** Kelvin Grove

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.

Prerequisites: KSB229 or KSB221 or KSB247 **Equivalents:** KSB222, KSB248 **Credit points:** 24 **Contact hours:** 10 per week, except during dress rehearsals and performance weeks. **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KSB230 or KSB222 or KSB248 **Equivalents:** KSB255 **Credit points:** 48 **Contact hours:** 45 contact hours per week **Campus:** Kelvin Grove

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.

Prerequisites: KSB301 or KSB255 **Equivalents:** KSB256 **Credit points:** 48 **Contact hours:** 55 hours contact per week **Campus:** Kelvin Grove

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.

Equivalents: KTB251 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

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.

Equivalents: KTB214 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KTB257 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KTB271 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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

Prerequisites: KTB103 or KTB257 **Equivalents:** KTB273 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

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.

Equivalents: KTB258 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KTB201 Drama Curriculum Studies 1

This unit provides an introduction to key syllabus documents and to key skills and strategies of drama teaching.

Prerequisites: Completion of 48 credit points of Drama discipline units (KT% units) **Antirequisites:** KTP201

Equivalents: KTB414 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KTB201 **Antirequisites:** KTP202 **Equivalents:** KTB415 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KTB202 (can be enrolled in the same teaching period) **Antirequisites:** KTP203 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KTB275 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KTB205 Production 2: the Collaborative Artist

This unit focuses on the collaborative devising of a performance with professional guidance.

Equivalents: KTB308 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove

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.

Equivalents: KTB277 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KTB253 **Credit points:** 12 **Contact**

hours: 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KTB102 or KTB214 **Equivalents:** KTB280, KTB272 **Credit points:** 12 **Contact hours:** 4.5-5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: Completion of 72 credit points of study or admission to KK86, KK88, KJ42 or IX96 **Equivalents:** KTB061 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: Completion of 72 credit points of study or admission to KK86, KK88, KJ42 or IX96 **Antirequisites:** KTP406 **Equivalents:** KTB062 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Equivalents: KTB056 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: Completion of 168 credit points of study **Equivalents:** KTB310 **Credit points:** 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove

KTB305 The Entrepreneurial Artist

The unit 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.

Prerequisites: Completion of 168 credit points of study

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: Completion of 72 credit points of study **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KTP201 Drama Curriculum Studies 1

This unit provides an introduction to key syllabus documents and to key skills and strategies of drama teaching.

Antirequisites: KTB201, KTB414 **Assumed knowledge:** Completion of 48 credit points of Drama discipline units (KT% units) is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KTP201 **Antirequisites:** KTB202, KTB415 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KTP202 (can be enrolled in the same teaching period) **Antirequisites:** KTB203 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Antirequisites: KTB204 **Equivalents:** KTN002 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KK86MJR-CPARTMG - Creative Production

and Arts Management Major **Credit points:** 12
Contact hours: 2 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-1

KTP412 Advanced Practice in Creative Partnerships

The aim of this unit is to give you an appreciation and understanding of innovative national and international practices and policies in the field of community cultural development, community arts and creative partnerships.

Prerequisites: KK86MJR-CPARTNR - Creative Partnerships Major **Credit points:** 12 **Contact hours:** 12 per week over 3 weeks (intensive mode) **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.

Equivalents: KVB701 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KVB702 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Antirequisites: KKB020, KKP420, KVP402, KJP420
Equivalents: KVB509 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: KVB755 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KVB756 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-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.

Equivalents: KVB444 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Equivalents: KVB740 **Credit points:** 24 **Contact hours:** 7 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KVB120 or KVB740 **Equivalents:** KVB741 **Credit points:** 24 **Contact hours:** 7 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Prerequisites: KIB101 or KIB801 or KIP401 **Antirequisites:** KVP401 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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.

Prerequisites: KVB120 or KVB740 or KVB121 or KVB741 **Equivalents:** KVB742 **Credit points:** 24 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KVB220 or KVB742 **Equivalents:** KVB743 **Credit points:** 24 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: Completion of 48 credit points of Visual Arts discipline units (KV% units) **Antirequisites:** KVP301 **Equivalents:** KVB412 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KVB301 **Antirequisites:** KVP302
Equivalents: KVB413 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: KVB302 (can be enrolled in the same teaching period) **Antirequisites:** KVP303 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: KVB712 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KVB703 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Equivalents: KVB704 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KVB221 or KVB743 **Equivalents:** KVB744 **Credit points:** 24 **Contact hours:** 7 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KVB320 or KVB744 **Equivalents:** KVB745 **Credit points:** 24 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP2

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.

Antirequisites: KVB301, KVB412 **Assumed knowledge:** Completion of 48 credit points of Visual Arts discipline units (KV% units) is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KVP301 **Antirequisites:** KVB302, KVB413 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: KVP302 (can be enrolled in the same teaching period) **Antirequisites:** KVB303 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: KVB004 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Antirequisites: KVB104, KVB509, KKB020, KKP420, KJP420 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: KWB250 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Antirequisites: KWP401 **Equivalents:** KWB111 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

KWB103 Persuasive Writing

Persuasive writing is an integral (if often unconscious) element of both professional and creative writing. Therefore, practitioners in these fields should be able to understand the principles of persuasion, use the vocabulary of persuasion,

and evaluate the efficacy of different persuasive strategies. This unit introduces you to the theory and practice of writing persuasively across a number of genres to enhance your writing skills.

Antirequisites: KWP402 **Equivalents:** KWB315 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KWB104 Creative Writing: the Short Story

The unit covers the writing of the short story in detail.

Antirequisites: KWP403 **Equivalents:** KWB350 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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).

Antirequisites: KWP405 **Equivalents:** KWB314 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Equivalents: KWB381 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KWB001, KWB716 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Equivalents: KWB002, KWB710 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Equivalents: KWB395 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Equivalents: KWB712 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Antirequisites: KWP407 **Equivalents:** KWB301 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KWB003, KWB321 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KWB209 Shakespeare, Then and Now

This unit is designed to introduce students to Shakespearean studies and the ongoing cultural importance of Shakespearean material.

Equivalents: KWB004, KWB729 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KWB210 Imagining the Americas: Contemporary American Literature and Culture

This unit will be offered for the first time in semester 1 2012.

Imagining Americas is a literature-based unit which will

explore a selection of contemporary written texts from the North and South American continents. The unit will focus on issues of place, nationality, regional and ethnic identity and will encourage an examination of these and the variety of writing styles from intercultural and international perspectives.

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

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.

Equivalents: KWB370, KWB201 **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 **Teaching period:** 2011 SEM-1

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.

Antirequisites: KWP103, KWP400 **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 **Teaching period:** 2011 SEM-2

KWB303 Writing and Publishing Industry

This unit provides an introduction to the function and structure of the writing and publishing industry.

Equivalents: KWB399 **Credit points:** 12 **Contact hours:** 2.5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Antirequisites: KWP104, KWP404 **Equivalents:** KWB301 **Credit points:** 12 **Contact hours:** 3 per week
Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KWB396 **Credit points:** 36 **Contact hours:** 3 per week **Campus:** Kelvin Grove

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.

Assumed knowledge: KWB108, KWB207, KWB208 and KWB209 is assumed knowledge. **Equivalents:** KWB005, KWB724 **Credit points:** 12 **Contact hours:** 3 per week
Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: KWB006, KWB725 **Credit points:** 12
Contact hours: 3 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-2

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 – 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 **Teaching period:** 2011 SEM-1

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.

Equivalents: KWB305, KWB396 **Other requisites:** Students undertaking the Advanced Writing Practice Minor must have a GPA of 5 or above at the end of semester 3. Students undertaking the Creative Writing and Literary Studies Research Minor must have a GPA of 5.5 or above at the end of semester 3 **Credit points:** 12 **Contact hours:** 3hr intensive workshop per week, plus self-directed creative practice, plus peer critique activities – 10 hours in total. **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

KWB332 Creative Writing Advanced Practice 2

This unit is the second 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 2 students will work on an already-conceived, sustained work of fiction in the genre/s of their choice including poetry, short fiction, long-form fiction (eg: elements of a novel length work) and non-fiction with a specific emphasis on developing, structuring and modulating sustained pieces. With the ability to articulate into and out of 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.

Prerequisites: KWB331 **Equivalents:** KWB305, KWB396 **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 **Teaching period:** 2011 SEM-1

KWB333 Creative Writing Advanced Practice 3

This unit is the third 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 this unit, students will work on an already-commenced, sustained work of fiction in the genre/s of their choice including poetry, short fiction, long-form fiction (eg: elements of a novel length work) and non-fiction with a specific emphasis on structural editing,

redrafting, concluding and marketing sustained pieces – including contemporary writing and publishing industry issues. With the ability to articulate out of 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.

Prerequisites: KWB332 **Equivalents:** KWB305, KWB396

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 **Teaching period:** 2011 SEM-2

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.

Equivalents: KWP111 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: KWP315 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KWP403 Creative Writing: the Short Story

The unit covers the writing of the short story in detail.

Equivalents: KWP350 **Credit points:** 12 **Contact hours:** Up to 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: KWB304 **Equivalents:** KWP104 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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).

Antirequisites: KWB213, KWB106, KWB314 **Equivalents:** KWP314 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Antirequisites: KWB207, KWB301 **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove

Teaching period: 2011 SEM-1

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.

Prerequisites: KK86MJR-CRWRTG - Creative Writing Major **Credit points:** 12 **Contact hours:** 3 per week

Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: KK86MJR-PROFCOM - Professional Communication Major **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

KXB101 Introduction to Entertainment

The entertainment industries are by far the largest sector of the creative industries; in 2007, the global Entertainment industry was worth \$2.4 trillion, and it is projected to grow to \$3.5 trillion by 2012. Entertainment industries include but are not limited to: TV, popular music, major entertainment events, games, radio, entertainment marketing, sports media, theme parks, and movies. In this unit you will learn about the nature of entertainment, and how the entertainment industries work. This unit familiarises you with:

- The history of entertainment.
- Key characteristics of entertainment.
- The relationship between entertainment and the wider creative industries.

- Changes in entertainment over the period of modernity.
- The size and nature of entertainment industries.

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

KXB102 Global Entertainment

Entertainment and entertainment industries are a global phenomenon. In this unit you will learn about important entertainment industries in specific places—such as Bollywood, Hollywood, and South Korean computer games—as well as about the ways in which important entertainment forms such as soap operas, theme parks, sport as entertainment, and pop music (specifically Cantopop) work in different cultures around the world.

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

KXB201 Entertainment Practice: Balancing Creativity and Business

In this unit you will learn how creativity and business can work together to complement each other in the entertainment industries. This unit will assist you in developing your ability to combine entertainment creativity and business in productive ways. It unit addresses content such as: the current situation of the entertainment industries in Australia and globally, models of creativity, and the relationship between creativity and constraints such as business requirements. As part of your learning, you will write an entertainment proposal which demonstrates your ability to balance creative and business skills.

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

LJB301 Real Law and Justice

Credit points: 12 **Teaching period:** 2011 SEM-2

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.

Antirequisites: LPZ111 **Credit points:** 12 **Contact hours:** 8 Day Attendance School **Campus:** Gardens Point **Teaching period:** 2011 6TP1, 2011 6TP2, 2011 6TP4 and 2011 SEM-2

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.

Antirequisites: LPZ114 **Credit points:** 12 **Contact hours:** 6 hours per week plus online **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1, 2011 6TP4, 2011 SEM-2 and 2011 6TP5

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.

Antirequisites: LPZ115 **Credit points:** 12 **Contact hours:** 6 hours per week plus online **Campus:** Gardens Point and External **Teaching period:** 2011 6TP1, 2011 SEM-1, 2011 6TP2, 2011 6TP3 and 2011 SEM-2

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.

Antirequisites: LPZ116 **Credit points:** 12 **Contact hours:** 6 hrs per week plus online **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1, 2011 6TP4, 2011 SEM-2 and 2011 6TP5

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.

Antirequisites: LPZ117 **Credit points:** 12 **Contact hours:** 6 hours per week, online plus 2 days **Campus:** Gardens Point and External **Teaching period:** 2011 6TP1, 2011 SEM-1, 2011 6TP2, 2011 6TP3 and 2011 SEM-2

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.

Antirequisites: LPZ118 **Credit points:** 12 **Contact hours:** 40 hrs per week **Campus:** External **Teaching period:** 2011 SEM-1, 2011 SEM-2, 2011 6TP6 and 2011 SUM

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.

Prerequisites: (SCB121 and SCB122) or (SCB111 and SCB121) or SCB113 **Antirequisites:** LSB275 and LSB325 and LSB308 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:**

2011 SEM-1

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.

Prerequisites: SCB122 or LSB238 **Antirequisites:** LSB468 and LSB338 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: SCB112 and (SCB121 or SCB113) **Antirequisites:** LSB328 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: LSB111 or LSB131 or LSB142 or LSB255 or LSB258 or SCB120 **Antirequisites:** LSB358 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: LQB381 or LSB308 **Corequisites:** PUB405 **Antirequisites:** LSB275, LSB325, LSB408 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: LSB238 or SCB122 **Antirequisites:** LSB468, LSN468, LSN483 **Assumed knowledge:** LQB383 is recommended prior study **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: LQB383 or LSB338 or LSN101 and LSN102 **Antirequisites:** LSB537, LSB619, LSB469 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: LQB386 or LSB328 **Antirequisites:** LSB435, LSB547 **Credit points:** 12 **Contact hours:** 4

per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

LQB488 Medical Physiology 2

An appreciation of how the human body works is an essential prerequisite to understanding the basis of health, disease, diagnostic technologies and treatment strategies. This unit deals specifically with the physiological systems that are responsible for the maintenance of health in humans. It therefore provides a useful frame of reference for students enrolled in biomedical science, pharmacy, human movement studies, nutrition and dietetics or any of the life science majors. The aim of this unit is to introduce you to the normal physiology of the human body in order to facilitate an understanding of how injury or disease affect health as well as the mechanism of action of drugs and other therapeutic interventions.

Prerequisites: LSB111, LSB131, LSB142, LSB255, LSB258, NRB270 or SCB120 **Antirequisites:** LSB458

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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. The aim of this unit is to provide you with an understanding of plant function from the cell to the whole plant, skills in measuring and monitoring these processes and an appreciation of how they are influenced by the environment.

Prerequisites: SCB120 or SCB122 or NRB270 or LSB238

Antirequisites: LSB397, LSB497 **Credit points:** 12

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

Teaching period: 2011 SEM-2

LQB581 Functional Biochemistry

This unit will study advanced biochemical concepts with a focus on metabolism, signalling pathways, systems and networks that coordinate and regulate the functional behaviour of cells and tissues.

Prerequisites: LQB381, LQB383, LSB308 and LSB338

Antirequisites: LSB508 **Credit points:** 12 **Contact**

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

period: 2011 SEM-1

LQB582 Biomedical Research Technologies

This unit will study the technical principles and practical techniques that are essential for advancing research and development in biochemistry and biotechnology.

Prerequisites: LQB381 or LSB308 **Antirequisites:**

LSB527 **Credit points:** 12 **Contact hours:** 4 per week

Campus: Gardens Point **Teaching period:** 2011 SEM-1

LQB583 Genetic Research Technology

The tools available for the discovery and manipulation of new genes are increasing exponentially and, in turn, this is having a significant impact in many areas of the life sciences. The true potential for this ultimately relies on the ability to link genes and their function. There are many strategies, both targeted and global, which facilitate an understanding of gene and genome structure function relationships. These strategies rely on integrated technologies based on molecular genetics, molecular biology and genetic engineering. The identification of function leads then to unlimited potential for detection and manipulation of these genes in human, animal and plant systems.

Prerequisites: LQB483 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

LQB584 Medical Cell Biology

This unit builds and extends the understanding of basic theoretical and practical aspects of molecular cell biology developed in previous cell and molecular biology units. Medical Cell Biology develops and extends the context of the cellular environment and its central role within the organism providing all of the biological functions required by the organism to survive, defend and protect itself from disease and trauma. An understanding of cell biology theory and molecular mechanisms of animal development and disease is essential for introduction to higher level units in medical biotechnology.

Prerequisites: LQB383 or LSB338 **Antirequisites:** LSB449, LSB503, LSN584 **Credit points:** 12 **Contact**

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

period: 2011 SEM-1

LQB585 Plant Genetic Manipulation

The potential of plant biotechnology can only 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 as a basis for anyone planning a career in plant biotechnology. The unit is designed with a significant emphasis on achieving technical expertise in plant genetic manipulation and control of gene expression.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

LQB586 Clinical Microbiology 2

Clinical microbiology laboratories throughout the world are recognising the need to maximise their diagnostic capabilities for accurate and early detection and management of medically-important parasitic, fungal and bacterial diseases of humans. This unit emphasises a strong commitment to professional practice by: (i) providing you with a comprehensive, in-depth knowledge and understanding of infectious disease states and their etiology, (ii) developing high level generic and specific laboratory-based skills in diagnostic microbiology and (iii) developing and refining critical thinking skills so that experimental results may be observed and recorded intelligently and reported with a high degree of confidence in their validity and rigor.

Prerequisites: LQB486 **Antirequisites:** LSB547 and LSB647 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

LQB587 Applied Microbiology 1: Water, Air and Soil

Issues relating to microbial populations within the environment are of great interest and relevance to the community, and also to scientists. Building on the foundation of basic microbiology, in this advanced level unit you will gain a strong understanding of the nature of microbial populations in water, air and soil, and their importance to the human population. This unit is issues-based, encouraging a problem solving approach as you investigate/study microbial pollution, bioremediation, biogeochemical cycles and a healthy environment. You will gain knowledge and skills in analysis and interpretation of water, air and soil populations, which will permit you to investigate real-world problems.

Prerequisites: LQB386, LSB328, or LSB492
Antirequisites: LSB528 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

LQB588 Applied Medical Physiology

This unit focuses on the development of your skills and knowledge relevant to research in physiology and other biomedical fields. This unit is designed to foster your development of a range of skills including: critical thinking, team work, planning, writing, time-management, problem-solving and organisation skills. This unit will help you to interpret scientific literature and to understand how the use of statistical methods relates to research. The unit will cover a range of advanced topics in physiology using a more integrative and applied approach than previously encountered. It introduces some issues currently under debate and at the forefront of physiology research.

Prerequisites: LQB388 (LSB358) or LQB488 (LSB458) or LSB231 or HMB273 or LSB250 **Equivalents:** LSB558
Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

LQB680 Forensic DNA Profiling

The individuality of human beings is manifested at the molecular level in terms of our DNA, proteins and antigens. Techniques in molecular genetics are most commonly used to detect this individuality in biological samples, such as blood, semen, hair, teeth, bone or saliva. This is one of the final units in the forensic science major, which will draw together knowledge and understanding gained in previous studies. The aim of this unit is to develop your understanding of the application of DNA technologies to human identification for forensic purposes such as crime, parentage testing and the identification of human remains, as well as the issues related to presenting DNA evidence to court.

Prerequisites: SCB384 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

LQB681 Biochemical Research Skills

In the real world, the design and completion of successful research and/or business projects demand that individuals gather information, solve problems, work effectively as a

part of a team and analyse and communicate results in a critical manner. This unit offers opportunities for you to develop these skills that are valued highly by potential employers and research project leaders. The aim of this unit is to assist you to demonstrate and strengthen a number of generic research skills in a mentored problem-based learning environment that mirrors a real-world research team and the challenges that they face.

Prerequisites: LQB381 or LSB308. Students with equivalent study can apply for a requisite waiver
Equivalents: LSB607 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

LQB682 Protein Biochemistry and Bioengineering

This unit is designed to give you the essential concepts and techniques driving research and industrial biotechnology so that you will be equipped for multiple careers in the biological sciences. The skills you develop will allow you to enter a practical laboratory environment or to apply your knowledge in related areas of evaluations of technologies and intellectual property.

Prerequisites: LQB381 or LSB308 or LSB325 or (LSN101and LSN102) **Antirequisites:** LSB605, LSB608
Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

LQB684 Medical Biotechnology

Medical Biotechnology will provide you with a thorough understanding of diagnostics and therapeutics in the commercial environment of biotechnology. A comprehension of approaches and the applications used as therapeutic interventions in medicine is necessary for this understanding. This unit focuses on current state-of-the-art applications within therapeutic biotechnology as directed to novel drug discovery and drug optimisation and to the development of novel therapeutic strategies, such as gene therapy, transplantation and immunotherapy. It will prepare you for subsequent involvement in medical research and/or employment in medical laboratories.

Prerequisites: LQB584 or LSB503 or LSB449
Antirequisites: LSN684 **Assumed knowledge:** A background understanding of Cell and Molecular Biology as provided in LQB383, LQB483 and LQB584 is assumed knowledge **Equivalents:** LSB609 **Credit points:** 12
Contact hours: 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

LQB685 Plant Microbe Interactions

Microorganisms, including viruses, bacteria and fungi, cause many devastating diseases in plants and are responsible for significant losses to crops in Australia and Internationally. Diagnosis and control of these organisms, which vary considerably in their biology and infection strategies, is an ongoing challenge. However, plant genetic engineering approaches are now offering new and novel solutions to these problems. These approaches are of widespread scientific, commercial and humanitarian interest. The application of current technologies and development of new, novel technologies relies on an understanding of the biology of the organism, of the way in which these organisms cause disease in plants and the mechanism by which many plants are resistant.

Prerequisites: LQB483 or LSN483 **Antirequisites:** LSB578 **Assumed knowledge:** LQB386 recommended
Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

LQB686 Microbial Technology and Immunology

This capstone unit builds upon your foundation knowledge and understanding of microorganisms and bioinformatics, molecular technology, and immunological skills. You will: (i) study infectious disease states as a major focus, (ii) research the importance of microbial pathogens as aetiological agents of disease, (iii) apply your knowledge of bioinformatics and molecular assays to design polymerase chain reaction (PCR) assays that can be used to selectively detect and amplify a specific bacterial pathogen, (iii) extend your knowledge of molecular subtyping methods, genomics, manipulation of bacterial genes, antibiotics, human immunology and vaccines, and (iv) write a research report in the format of a journal article.

Prerequisites: LQB386 and LQB483 **Antirequisites:** LSB648 **Credit points:** 12 **Contact hours:** 4 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-2

LQB687 Applied Microbiology 2: Food and Quality Assurance

Food microbiology and quality assurance constitute potential areas of employment for graduates. Many aspects of these disciplines are important in public health and operational management. Understanding fundamental concepts and their correct application are critical for food safety and management of both food-, and non-food-based operations. This unit with content in applied food microbiology and quality systems, builds on the introduction to food microbiology provided in earlier units. The aim of this unit is to gain advanced knowledge and expertise in food microbiology and fundamental quality assurance principles suitable for application in food and other (bio)technology-based industries.

Prerequisites: LQB386 or LSB328 **Assumed knowledge:** Completion of 72 credit points of second level science units is assumed knowledge **Equivalents:** LSB628 **Credit points:** 12 **Contact hours:** 4 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Antirequisites: LSB142, LSB182, LSB258 **Equivalents:** LSB145 **Credit points:** 12 **Contact hours:** 5 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: LSB131, LSB182, LSB258 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point and Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Equivalents: LSB131 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

LSB182 Bioscience 1

The aims of this unit are to provide you with a clear understanding of anatomical terminology used in the health professions; provide you with a strong background enabling you to apply concepts of anatomy, physiology, microbiology and introductory pharmacology to your future studies of diseases and their treatment; provide an introduction to infectious agents that impact on human health and infection control.

Antirequisites: LSB131, LSB142 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: LSB250 **Equivalents:** LSB245 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: LSB131 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: LSB145 **Assumed knowledge:** MIT students should enrol in PCB276 in the same semester if not already completed. RT students should enrol in PCB287 in the same semester if not already completed.

Equivalents: LSB231 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

LSB250 Human Physiology

A strong foundation in human physiology is crucial for students in Optometry, Podiatry and Medical Science. This unit will provide you with the necessary foundation for subsequent units in physiology, pathology or immunology. This unit is also appropriate for other students interested in studying medical physiology at an intermediate level and is also designed to encourage your interest in scientific research and current issues in medical physiology. The aim of this unit is for students to gain a strong background in human physiology and to develop skills and gain knowledge that are relevant to the needs of future optometrists, podiatrists and medical scientists.

Prerequisites: SCB112 or LSB118 or LSB131 **Antirequisites:** LSB231 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

LSB255 Human Anatomy

A detailed understanding of human anatomy is fundamental to the knowledge base of the medically orientated biological scientist. This unit introduces you to both theoretical and practical aspects of gross, systemic and microscopic anatomy of the human body with emphasis on the microscopic anatomy. The unit builds upon knowledge gained in previous units which introduced you to basic principles of cell structure and function. Knowledge gained in this unit provides a basis for more advanced studies in cellular pathology, histochemistry and cytology.

Prerequisites: SCB112 or LSB118 **Antirequisites:** LSB152 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

LSB275 Biomolecular Science

This unit is designed specifically for optometry and podiatry students and introduces you to the study of biochemistry, along with anatomy and physiology. Being an introductory unit, it provides you with the knowledge required for the proper understanding of the functioning of the human body and its organ systems in health and disease, as a preparation for their clinical studies. The aim of the unit is to develop an understanding of the structure and function of biological molecules and metabolic processes.

Antirequisites: LQB381, LSB308, LQB481, LSB408

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point and Kelvin Grove **Teaching period:** 2011 SEM-2

LSB282 Bioscience 2

The aims of this unit are to provide you with a clear understanding of the pathophysiological processes resulting in altered health and disease states, and to introduce you to the host immune mechanisms which respond to foreign invaders within the body or result in disease states.

Prerequisites: LSB182 or (LSB131 and LSB231) **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-2

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.

Prerequisites: LSB245 **Antirequisites:** LSB361, LSB367, LSB475 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: SCB121 or SCB113 **Antirequisites:** LQB381, LQB481 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: LSB145 and LSB245 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: LSB250 and LSB255 **Assumed**

knowledge: Anatomy, basic histology and physiology is assumed knowledge **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Antirequisites: LSB321, LSB475 **Credit points:** 12
Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: LSB182 or LSB131 **Credit points:** 12
Contact hours: 5 per week **Campus:** Gardens Point, Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1

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.

Prerequisites: (LSB111 or LSB282 or LSB382 (NS40)) or (LSB475 (OP45)) or (LSB235 and LSB250 (PU43 Podiatry))

Assumed knowledge: PU46 (Paramedic) students must select the external offering for LSB384. If you are not studying the PU46 (Paramedic) course, you must enrol in LSB384 Internal Offering. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LSB425 Quantitative Medical Science

This unit integrates physics, chemistry, biochemistry, maths and statistics for applications to chemical analysis, as preparation to clinical biochemistry.

Prerequisites: LSB325 and MAB141 **Antirequisites:** LSN425 **Credit points:** 12 **Contact hours:** 5 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: LQB386 **Antirequisites:** LQB486, LSB547 **Credit points:** 12 **Contact hours:** 5 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-2

LSB438 Immunology 1

The immune system protects against a range of infectious and malignant diseases. However, it occasionally also attacks the host producing autoimmune disease or overreacts to environmental stimuli to cause allergic reactions. This unit provides a basic introduction to these topics and to the laboratory tests involved in assessing immune function.

Prerequisites: LQB386 and LSB250 **Antirequisites:** LSN438 **Credit points:** 12 **Contact hours:** 5 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: LSB145 and LSB245 **Assumed knowledge:** Systematic Anatomy (LSB145 and LSB245 content) **Credit points:** 12 **Contact hours:** 4 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-2

LSB465 Histopathology 1

Histopathology and cytology are essential components of pathological diagnosis and major clinical disciplines in Medical Laboratory Science. The aim of the unit is to provide you with a knowledge of histological techniques and interpretation of histopathological tests, as well as the principles of cytopathological diagnosis.

Prerequisites: LSB365 and SCB113 and LSB255 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

LSB467 Pathophysiology

This unit is an external unit designed to run online to meet the requirements of students located throughout Queensland. Building on a sound knowledge of anatomy, physiology and pathology, you will develop an understanding of the pathophysiology mechanisms underpinning diseases which is essential for the informed assessment and management of emergency patients. In order to relate the material as closely as possible to the real-world setting, a problem-based model is employed,

using case-studies.

Antirequisites: LSB658 **Assumed knowledge:** Anatomy and Physiology or Pathology is assumed knowledge
Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

LSB475 Disease Processes 4

Disease Processes provides a link between your foundation knowledge in anatomy and physiology and the application of such knowledge in a clinical setting. This intermediate level unit places an emphasis on general pathological knowledge necessary for your understanding of future advanced units. It therefore provides you with the knowledge needed for subsequent clinical semesters. The aim of the unit is to introduce you to the study of disease processes underlying the major diseases of human organ systems.

Antirequisites: LSB321, LSB361, LSB367 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point and Kelvin Grove **Teaching period:** 2011 SEM-2

LSB480 Professional Practice

Six weeks of professional practice is undertaken at the end of the second year full time of the medical science course, during the summer vacation. This experience provides you with a supervised introduction to the pathology workplace and prepares you for the clinical units in the third year of the course. During this time you will be given limited supervised experience working at the bench, and you will gain a greater appreciation of the role of the laboratory scientist in a paramedical team. It will reinforce the importance of quality standards, and health and safety issues, as stressed at QUT, and it will place you in direct contact with prospective employers in the pathology industry. The professional practice unit aims to provide you with a supervised introduction to the pathology workplace.

Prerequisites: LSB425 and LSB435 and LSB465
Assumed knowledge: Students are expected to have completed four semesters of their course prior to enrolment in this unit. **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SUM

LSB492 Microbiology

This unit will provide you with foundation knowledge and an understanding of the diversity of microorganisms, the host's immune response to infection and methods of control of microorganisms. You will: (i) study relevant infectious disease states, (ii) research the importance of microbial pathogens as aetiological agents of disease, and (iii) reinforce your knowledge of microorganisms and methods of control of microorganisms by performing experiments within the microbiology laboratory.

Assumed knowledge: Basic knowledge of biology and chemistry is assumed for this unit. **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: LSB425 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: LSB438 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: LSB425, LSB438 and LSB465 **Assumed knowledge:** Students are expected to have completed four Semesters of their course prior to enrolment to this unit. **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: LSB365 and LSB465 **Credit points:** 12
Contact hours: 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

LSB584 Pharmacotherapeutics for Podiatrists

There is an increasing need for the use of medicines by endorsed Podiatrists for the treatment, management and rehabilitation of patients of various foot pathologies. This unit will further enhance your understanding of pharmacology with a focus on the S2, S3 and S4 medicines administered and prescribed for the treatment and diagnosis of the disease states encountered in the scope of professional practice of Podiatrists. You will also be exposed to recognised clinical guidelines that recommend the appropriate selection and use of medicines such as the Therapeutic Guidelines and drug protocols approved by the Podiatry Board of Australia and gain an appreciation of the national policy on the Quality Use of Medicines.

Prerequisites: LSB384 or PUB437 **Credit points:** 12
Campus: Kelvin Grove **Teaching period:** 2011 SEM-2

LSB625 Clinical Biochemistry 2

This unit builds on and extends LSB525 Clinical Biochemistry 1 to provide you with sufficient biochemical knowledge and laboratory experience to work effectively in

either smaller general-purpose laboratory performing a limited number of biochemical tests or larger specialised laboratory performing in-depth studies of all aspects of clinical biochemistry. LSB625 is completed in the final Semester of the LS37 course and builds on the theoretical aspects of biochemistry introduced in LSB325, the practical skills developed in LSB425 and the theoretical and practical elements of LSB525.

Prerequisites: LSB525 **Credit points:** 12 **Contact hours:** 5 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.

Prerequisites: LSB435 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: LSB555 **Assumed knowledge:** Students are expected to have completed 5 Semesters of their course prior to enrolment to this unit. **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSB658 Clinical Physiology

The aims of this unit are to help you develop a full understanding of how the pathophysiology of the major disorders of the human body derives from a knowledge and understanding of anatomy and physiology, and critical thinking and complex reasoning skills that provide you with a strong basis for cogently discussing and understanding case histories, their diagnoses and treatments.

Prerequisites: (LSB255 or LSB142 or LSB131) AND (LQB388 or LSB250 or LSB451 or LSB231)

Corequisites: LQB488 **Antirequisites:** LSB467

Assumed knowledge: Students should enrol in LQB488 in the same semester if not previously completed **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

LSB665 Immunohaematology

This unit is designed to provide you with an understanding of the theoretical and practical aspects of transfusion medicine, as it applies to the provision of a safe transfusion service. This includes knowledge of blood and its

components, the genetic and immunological aspects of antigens and antibodies relevant to transfusion, compatibility testing and the clinical factors affecting transfusion practice decisions and outcomes. The knowledge, practical skills and competence gained will prepare you for employment as a medical scientist in transfusion services including pathology/hospital bloodbanks.

Prerequisites: LSB438 and LSB555 **Assumed knowledge:** Students are expected to have completed 5 Semesters of their course prior to enrolment in this unit.

Credit points: 12 **Contact hours:** 5 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. The research project aims to foster enhanced applied problem solving skills, literacy and communications skills, and professional responsibility and ethical conduct.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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. The research project aims to foster enhanced applied problem solving skills, literacy and communications skills, and professional responsibility and ethical conduct.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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. The research project aims to foster enhanced applied problem solving skills, literacy and communications skills, and professional responsibility and ethical conduct.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

LSB850-1 Research Strategies

The primary aim of this unit is to introduce and develop the intellectual skills necessary to understand and apply the scientific method, to understand the scientific, ethical, social, and commercial implications of research, to assist in evaluating useful and pragmatic options in research, and to communicate research ideas and outcomes effectively.

Corequisites: LSB851-1, LSB852-1 **Credit points:** 6

Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LSB850-2 Research Strategies

The primary aim of this unit is to introduce and develop the intellectual skills necessary to understand and apply the scientific method, to understand the scientific, ethical, social, and commercial implications of research, to assist in evaluating useful and pragmatic options in research, and to communicate research ideas and outcomes effectively.

Corequisites: LSB851-2, LSB852-2 **Credit points:** 6

Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LSB851-1 Readings in Life Science 1

Advances in science require a sound understanding of previously published investigations, and an ability to analyse critically scientific reports and their significance to the area of investigation. Scientific investigations by an individual or a group of researchers from Australian Institutions require funding and research support. Research project proposals are submitted to national competitive funding bodies that include the National Health and Medical Research Council (NHMRC) and the Australian Research Council (ARC). Acquisition of the skills and strategies for critically analysing scientific papers and for writing a competitive research proposal is a prerequisite for a successful scientific career. The aim of this unit is to provide you with the skills and strategies to examine critically the significance of scientific papers and to write a successful grant application.

Corequisites: LSB850-1, LSB852-1 **Credit points:** 12

Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LSB851-2 Readings in Life Science 1

Advances in science require a sound understanding of previously published investigations, and an ability to analyse critically scientific reports and their significance to the area of investigation. Scientific investigations by an individual or a group of researchers from Australian Institutions require funding and research support. Research project proposals are submitted to national competitive funding bodies that include the National Health and Medical Research Council (NHMRC) and the Australian Research Council (ARC). Acquisition of the skills and strategies for critically analysing scientific papers and for writing a competitive research proposal is a prerequisite for a successful scientific career. The aim of this unit is to provide you with the skills and strategies to examine critically the significance of scientific papers and to write a successful grant application.

Prerequisites: LSB850-1, LSB851-1 and LSB852-1

Corequisites: LSB850-2, LSB852-2 **Credit points:** 12

Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LSB852-1 Project

A career in research will involve your understanding of the methods of independent scientific investigation and analysis, your ability to identify the need for a particular investigation, your skills to frame a testable hypothesis and design appropriate tests to examine it, and communication of your ideas and arguments to others. Thus, this unit builds on the knowledge you have gained in your undergraduate units, with particular emphasis on practical aspects of technique applications, data interpretation, and the presentation of a scientific argument in a coherent and acceptable format. 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. The aim of the unit is to provide you with the skills for independent, laboratory based investigation, analysis and reporting.

Corequisites: LSB850-1, LSB851-1 **Credit points:** 30

Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LSB852-2 Project

A career in research will involve your understanding of the methods of independent scientific investigation and analysis, your ability to identify the need for a particular investigation, your skills to frame a testable hypothesis and design appropriate tests to examine it, and communication of your ideas and arguments to others. Thus, this unit builds on the knowledge you have gained in your undergraduate units, with particular emphasis on practical aspects of technique applications, data interpretation, and the presentation of a scientific argument in a coherent and acceptable format. 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. The aim of the unit is to provide you with the skills for independent, laboratory based investigation, analysis and reporting.

Corequisites: LSB850-2, LSB851-2 **Credit points:** 30

Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LSN011 Research Seminars in Life Science 1

Your transition from undergraduate scholar to reliable and productive researcher requires an ability to present research findings and their critical analysis in an oral form. Oral presentation is a significant skill in academic, industrial and clinical research settings. The primary aim of this unit is to help you communicate your research ideas and outcomes effectively and articulately.

Corequisites: LSN013 **Credit points:** 12 **Campus:**

Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LSN013 Readings in Life Science 3

Scientific investigations by an individual or a group of individuals from Australian Institutions require in-depth knowledge of the field of research. Literature reviews are undertaken by all researchers prior to commencing, (and throughout), their research projects. This unit will provide

postgraduate students with the skills and strategies required for writing a critical literature review that may potentially be submitted for publication in the relevant Journals in the field. The aim of this unit is to provide you with the strategies required for writing a substantial critical literature review.

Corequisites: LSN011 **Credit points:** 24 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LSN023 Research Seminars in Life Science 3

Your transition from undergraduate scholar to reliable and productive researcher requires an ability to present research findings and their critical analysis in an oral form. Oral presentation is a significant skill in academic, industrial and clinical research settings. The primary aim of this unit is to help you communicate your research ideas and outcomes effectively and articulately.

Prerequisites: LSN011 and LSN013 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LSN101 Molecular Biosciences

For you to be successful in the more advanced units offered in the coursework programs in biotechnology you must have a sound knowledge and understanding in the key areas of molecular biology, cell biology, biochemistry and microbiology and be able to demonstrate your learning in a practical way in the laboratory. This unit, in conjunction with LSN102 Cellular Biosciences and LQB483 Molecular Biology Techniques, will help you to achieve those goals. This unit aims to facilitate your active learning (knowledge, understanding and application) of cell and molecular biology appropriate for a postgraduate degree in biotechnology.

Corequisites: LSN102, LSN483 **Assumed knowledge:** Students should enrol in either LSN102 or LSN483 in the same semester if not already completed **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

LSN102 Cellular Biosciences

Central to your understanding of the fundamental theory underlying medical and plant biotechnology is an understanding of normal and disease processes, and the events and changes that occur in structure and function at the cellular level. This unit gives you the opportunity to explore these key aspects before proceeding to more advanced concepts in biotechnology. This unit aims to provide high level understanding of cellular processes and responses, as a fundamental basis for further postgraduate studies in cellular and molecular biosciences.

Corequisites: LSN101, LSN483 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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.)

Antirequisites: LSB425 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

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.)

Antirequisites: LSB438 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

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.)

Antirequisites: LSB468 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

LSN483 Molecular Biology Techniques

Fundamental and advanced skills in molecular biology are essential prerequisites for biotechnology. Through close alignment of theoretical concepts and practical skills, this strongly lab-oriented postgraduate unit allows you to develop expertise in modern recombinant DNA techniques and an understanding of strategies used to identify and manipulate genes. Integration between theory and practice in this unit is designed to develop competence, independence and high-order critical thinking skills so as to fully prepare you for the suite of advanced units in the Postgraduate Coursework Biotechnology programs. The overall aim of this unit is to develop concepts and laboratory skills in the characterisation and analysis of nucleic acids and recombinant DNA technologies and to extend these technologies into the understanding and application of the different strategies for gene discovery.

Corequisites: LSN101, LSN102 **Assumed knowledge:** Students should enrol in either LSN101 or LSN102 in the same semester if not already completed. **Equivalents:** LQB483, LSB468 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

LSN581 Functional Biochemistry

This unit will study advanced biochemical concepts with a focus on metabolism, signalling pathways, systems and

networks that coordinate and regulate the functional behaviour of cells and tissues.

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

LSN582 Biomedical Research Technologies

This unit will study the technical principles and practical techniques that are essential for advancing research and development in biochemistry and biotechnology.

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

LSN583 Genetic Research Technology

The tools available for the discovery and manipulation of new genes are increasing exponentially and, in turn, this is having a significant impact in many areas of the life sciences. The true potential for this ultimately relies on the ability to link genes and their function. There are many strategies, both targeted and global, which facilitate an understanding of gene and genome structure function relationships. These strategies rely on integrated technologies based on molecular genetics, molecular biology and genetic engineering. The identification of function leads then to unlimited potential for detection and manipulation of these genes in human, animal and plant systems.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

LSN584 Medical Cell Biology

This unit builds and extends the understanding of basic theoretical and practical aspects of molecular cell biology developed in previous cell and molecular biology units. Medical Cell Biology develops and extends the context of the cellular environment and its central role within the organism providing all of the biological functions required by the organism to survive, defend and protect itself from disease and trauma. An understanding of cell biology theory and molecular mechanisms of animal development and disease is essential for introduction to higher level units in medical biotechnology.

Prerequisites: LSN101 and LSN102 **Antirequisites:** LSB503, LSB449, LQB584 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

LSN585 Plant Genetic Manipulation

The potential of plant biotechnology can only 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 as a basis for anyone planning a career in plant biotechnology. The unit is designed with a significant emphasis on achieving technical expertise in plant genetic manipulation and control of gene expression.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: LSN525 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

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.

Prerequisites: LQB386 or LSB328 **Credit points:** 12 **Contact hours:** 5-6 per week **Campus:** Gardens Point

LSN684 Medical Biotechnology 2

Students undertaking Medical Biotechnology 2 should have a thorough understanding of diagnostics and therapeutics in the commercial environment of biotechnology. A comprehension of approaches and the applications used as therapeutic interventions in medicine is necessary for this understanding. This unit focuses on current state-of-the-art applications within therapeutic biotechnology as directed to novel drug discovery and drug optimisation and to the development of novel therapeutic strategies, such as gene therapy, transplantation and immunotherapy. It will prepare you for subsequent involvement in medical research and/or employment in medical laboratories. The aim of this unit is to enable you to acquire a thorough understanding of current and emerging strategies for therapeutic interventions in the treatment of disease.

Prerequisites: LSN101 and LSN102 **Antirequisites:** LQB684 **Assumed knowledge:** A background understanding of Cell and Molecular Biology as provided in LQB383, LQB483 and LQB584 is assumed knowledge **Equivalents:** LSN609 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LSN711 Project 1

This postgraduate unit is usually taken at the end stage of the LS96 Master of Biotechnology (Advanced) degree or as part of the SC71 Graduate Diploma of Applied Science degree and may be done in conjunction with LSN712 Project 2. LSN711 involves the writing of a critical literature review on a specific topic to identify knowledge gaps which are usually explored experimentally in LSN712 to follow. The overall aims of this postgraduate unit is for you to develop and refine skills in the collection and analysis of information and data on a specific topic in your area of research interest and to enable you to compile and write a comprehensive and critical literature review.

Credit points: 24 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LSN712 Project 2

This postgraduate unit is usually taken at the end stage of the LS96 Master of Biotechnology (Advanced) degree or as part of the SC71 Graduate Diploma of Applied Science degree and is undertaken in conjunction with LSN711 Project 1 as a prerequisite or corequisite. LSN712 involves experimental exploration of knowledge gaps identified in a critical review of the literature (LSN711). The overall aims of this postgraduate unit are to: (i) develop and refine your experimental skills in a research laboratory and (ii) enable you to compile and write a research report derived from the data collected and critically analysed.

Prerequisites: LSN711 (can be enrolled in the same teaching period) **Credit points:** 24 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: LWB136 **Credit points:** 12 **Contact hours:** 3 hours per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: LWB141 or LWB145 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 workers' 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.

Corequisites: LWB145 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: LWB138 or LWB147 or LWB146 where LWB146 can be enrolled in the same study period **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LWB149 Indigenous Legal Issues

Indigenous Australians have a unique position in Australian society as the traditional owners and custodians of the Australian continent and its offshore islands. The colonisation of Australia and the introduction of Anglo-Australian law have had a profound impact on Indigenous Australians and in many ways have contributed to the current level of social and economic disadvantage in Indigenous communities. This unit aims to provide you with an understanding of how government law and policy has had an especially adverse effect on Australian Indigenous peoples. It explores the potential for greater recognition of Indigenous rights, including the right to self determination, in the Australian context. The unit is of relevance if you are intending to work in legal practice, public sector policy or community organisations.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

LWB150 Lawyering and Dispute Resolution

Credit points: 12 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Corequisites: LWB145 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SUM-2 and 2011 SEM-1

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.

Prerequisites: LWB238 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: LWB137 and (LWB148 or LWB139)

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1

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.

Prerequisites: LWB243, LWB146, LWB241 (LWB241 can be enrolled in the same teaching period) **Credit points:** 12

Contact hours: 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Prerequisites: LWB334 **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1

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.

Prerequisites: (LWB139 or LWB148) and (LWB231 or LWB242) **Credit points:** 12 **Contact hours:** 3 per week

Campus: Gardens Point and External **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Prerequisites: LWB137, LWB240 and LWB244 **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Prerequisites: (LWB143 or LWB146) and (LWB237 or LWB243) **Credit points:** 12 **Contact hours:** 3 per week in Sem 2. **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2 and 2011 SUM

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.

Prerequisites: LWB242 or LWB231 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point and External
Teaching period: 2011 SUM-2 and 2011 SEM-1

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.

Prerequisites: LWB432 **Credit points:** 12 **Contact hours:** Block Mode **Campus:** Gardens Point **Teaching period:** 2011 SUM-2 and 2011 SEM-2

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.

Prerequisites: LWB241, LWB244 and (LWB237 or LWB243) **Credit points:** 12 **Contact hours:** Block Mode **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: AYB219 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SUM

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).

Prerequisites: (LWB143 or LWB146) and (LWB237 or LWB244) and LWB240 and LWB241 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1

LWB367 Law of Corporate Governance

Successful completion of LWB334 Corporate Law is an essential prerequisite to undertaking this unit. This is a specialised unit providing an examination of the two organs which govern a company: the board of directors and the company in general meeting. The unit examines in some detail particular aspects of the law applicable to these bodies: some of the duties affecting directors; topical issues such as directors interests in contracts; the role of waiver of breaches and improprieties; members rights and protection; relevant aspects of meeting law; an examination of the roles of the Australian Securities Commission and the Australian Stock Exchange; the roles of the Institutional Shareholder and/or Shareholder Associations.

Prerequisites: LWB334 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Prerequisites: LWB144 **Credit points:** 12 **Contact hours:** 2 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Prerequisites: (LWB242 or LWB231) and (LWB237 or LWB244) **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

LWB410 Competition Law

This unit includes an overview of the anti-competitive practices that are proscribed by Part IV and Part XIB of the Trade Practices Act 1974 (Cth). It also deals with the remedies available for contraventions of Part IV and the possibility of obtaining authorisation from the Australian Competition and Consumer Commission. The access provisions of Part III A and Part XIC are also considered.

Credit points: 12 **Contact hours:** 2 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Prerequisites: 192 Credit Value in spk(s): LWB% **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: LWB137 and LWB238 and (LWB139 or LSB148) and (LSB231 or LWB242) **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: LWB418 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: 192 Credit Value in spk(s): LWB% **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

LWB423 Intellectual Property and Technology Law Clinic

Credit points: 12 **Teaching period:** 2011 SEM-2

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.

Prerequisites: 192 Credit Value in spk(s): LWB% **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SUM

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.

Prerequisites: LWB238 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SUM

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.

Prerequisites: 192 Credit Value in spk(s): LWB% **Credit points:** 12 **Contact hours:** 3 per week in Sem 2. **Campus:** Gardens Point and External **Teaching period:** 2011 SUM-2 and 2011 SEM-2

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.

Prerequisites: 192 Credit Value in spk(s): LWB% **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1

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.

Prerequisites: LWB418 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 2 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Prerequisites: LWB147 or LWB138 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Prerequisites: LWB237 or LWB244 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

LWB496 Australian and Comparative Human Rights Law

The law of human rights is being incrementally developed by the courts & may, in the next few years, by 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.

Prerequisites: LWB239 and (LWB231 or LWB242) **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Prerequisites: 192cp of Law discipline units (LWS% units) **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 2 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SUM

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.

Credit points: 12 **Contact hours:** 26 hours in total
Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 24 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 26 hrs in total
Campus: Gardens Point **Teaching period:** 2011 6TP1 and 2011 5TP8

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.

Credit points: 12 **Contact hours:** 2 hrs per week
Campus: Gardens Point **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 26 hours in total
Campus: Gardens Point **Teaching period:** 2011 6TP2 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 26 hours in total
Campus: Gardens Point **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 2 hrs per week
Campus: Gardens Point and External **Teaching period:** 2011 SEM-2

LWN053 Research Project 1B

See LWN025.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LWN056 Research Project 1C

See LWN025.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LWN057 Research Project 1D

See LWN025.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LWN058-1 Research Project 2B

See LWN026-1.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

LWN058-2 Research Project 2B

See LWN026-2.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 26 hrs in total
Campus: Gardens Point

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.

Credit points: 12 **Contact hours:** 26 hrs in total
Campus: Gardens Point and External **Teaching period:** 2011 5TP7

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.

Credit points: 12 **Contact hours:** 2 hours per week
Campus: Gardens Point **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 26 hrs in total
Campus: Gardens Point **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 26 hrs in total
Campus: Gardens Point **Teaching period:** 2011 SEM-1

LWN113 Law of Guarantees

Guarantees are an important area of practice for commercial lawyers as a substantial proportion of large commercial transactions involve the giving of guarantees. Guarantees are also significant for consumer finance. This unit considers formation and validity, including comparison with other contracts; factors affecting validity, including disclosure, misrepresentation, mistake, unconscionable conduct, undue influence, s.51AB Trade Practices Act (Cwlth), s.70 Consumer Code; obligations of solicitor; liability, including principle of co-extensiveness and rules of construction; discharge of guarantee, including discharge by the determination of the principal transaction and discharge by reason of the creditor's conduct.

Credit points: 12 **Contact hours:** 26 hrs in total
Campus: Gardens Point **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 26 hours in total
Campus: External **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 26 hours in total
Campus: External

LWN135 Law, Justice and New Genetic Technologies

Our ability to test, screen and manipulate the human genome is made possible by recent technological breakthroughs in science. The science of genetics is not new, but its public profile has never been higher. Current initiatives in genetic knowledge have been described as an international voyage of scientific discovery. The scientific findings are prompting major rethinking of concepts of law and justice. The legal community faces a perpetual challenge in keeping pace with the revolution in genetics. This unit looks at some legal implications of this revolution and charts the major responses of our legal system to modern genetics and biotechnology.

Credit points: 12 **Contact hours:** 26 hrs in total
Campus: Gardens Point **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 26 hrs in total
Campus: Gardens Point **Teaching period:** 2011 6TP2

LWN146 International and Comparative Intellectual Property Law

The unit provides you with an introduction to international intellectual property and policy issues and their connection with the European Union (EU) efforts to create an internal market with a level playing field for the protection of intellectual property. The unit also considers diverging perspectives on topics ranging from the protection of traditional knowledge and folklore to high technology.

Credit points: 12 **Contact hours:** 26 hrs in total
Campus: Gardens Point **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 26 hrs in total
Campus: Gardens Point **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 26hrs in total
Campus: Gardens Point **Teaching period:** 2011 SEM-2

LWN151 Select Issues in Property Law

The principles and practice relating to transactions of real property are rapidly becoming more complex. This complexity is being driven by continuing statutory intervention in what had been for many years traditionally settled relationships ie those of principal and real estate agent, buyer and seller, commercial lessor and lessee and mortgagor and mortgagee. In recent times the courts are also redefining these relationships through the extension of the law. This unit examines legislation affecting these relationships.

Credit points: 12 **Contact hours:** 26 hours total.
Campus: Gardens Point **Teaching period:** 2011 5TP5

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 monopolization 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 these legal, scientific and business issues that arise out of this developing area.

Credit points: 12 **Contact hours:** 26 hours in total
Teaching period: 2011 6TP5

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

Credit points: 12 **Contact hours:** 26 hrs in total
Campus: Gardens Point **Teaching period:** 2011 5TP7

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.

Credit points: 12 **Contact hours:** 2 hours per week
Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 26 hrs in total
Campus: Gardens Point **Teaching period:** 2011 5TP7

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.

Credit points: 12 **Contact hours:** 26hrs in total
Campus: Gardens Point **Teaching period:** 2011 6TP2

LWN172 Special Topic in Commercial Law - Cross Border Insolvency

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.

Credit points: 12 **Contact hours:** 26 **Campus:** Gardens Point **Teaching period:** 2011 6TP3

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.

Credit points: 12 **Contact hours:** 2 hours in total
Campus: Gardens Point **Teaching period:** 2011 5TP8

LWN187 Law of the Sea

International law of the sea provides the overarching global legal regime for the world's ocean spaces. International law of the sea is therefore key to the maintenance of international peace and security, protection of the world's marine environment and regulation of the peaceful uses of international marine areas. The ambit of international law of the sea includes territorial seas, the continental shelf, archipelagic waters, contiguous and 200-mile zones, the high seas and the deep seabed. It provides the legal foundation for sovereign rights over marine areas, delimitation of maritime boundaries between states, international maritime navigational uses, seabed mining, the exploitation of fish stocks, piracy and marine scientific research.

Credit points: 12 **Contact hours:** 26 hrs in total
Campus: Gardens Point **Teaching period:** 2011 6TP3

LWN188 Advanced Taxation Law

In most legal transactions, there is a requirement to consider and obtain taxation law advice. Such transactions

range from buying and selling a business to finalising a property settlement in family law. It is important, therefore, that lawyers have an understanding of these significant taxation issues so that they may provide a more comprehensive service to their clients.

Credit points: 12 **Contact hours:** 26 hrs in total
Campus: Gardens Point **Teaching period:** 2011 5TP7

LWN191 International Criminal Tribunals

The last fifteen years has seen the transformation of International Criminal Justice. The creation of the ad hoc international criminal tribunals by the UN Security Council, the emergence of hybrid courts and the establishment of the International Criminal Court under the Rome Statute has fuelled developments in both the substantive law and in International Criminal Procedure. The enforcement of International Criminal Law in the international legal order is heavily reliant on cooperation with Sovereign States. Australia has implemented legislation for cooperation with the ICTY, ICTR and the ICC in order to carry out its obligations under International Law.

Equivalents: LWN175 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 5TP3

LWN192 Combating International Corruption

Credit points: 12

LWN194 Conceptual Issues in Medical Law

The aim of the unit is to develop an understanding of the major conceptual issues underpinning contemporary debates and proposals for law reform in the following main areas of health law:

- Withholding and withdrawing medical treatment and euthanasia;
- Embryonic stem cell research; and
- Genetic engineering.

We then aim to develop an understanding of the role such a clarification can play in contributing to, and resolving, some of the more intractable issues in the debates.

Credit points: 12 **Campus:** Gardens Point and External
Teaching period: 2011 SEM-1

LWN195 Elder Law

Credit points: 12 **Teaching period:** 2011 SEM-2

LWN196 Environmental Law and Practice

Environmental law is a relatively new and innovative area of law. It has been created in response to growing concerns in our community regarding the need to protect our environment from excessive harm, whilst enabling industrial activities to continue to operate and contribute to our economy. Environmental law has emerged in recent years as a significant area of professional legal practice. This unit will introduce you to the key concepts of environmental law through analysis of a series of real world environmental law scenarios which will integrate your understanding of the law and legal system. This unit will provide a strong foundation for more in-depth postgraduate study of particular aspects of environmental law.

Credit points: 12 **Contact hours:** 26 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

LWN197 International Aid and Development Law: Policy and Practice

Credit points: 12 **Campus:** External **Teaching period:** 2011 SEM-2

LWN198 Advocacy and Financial Disputes in Family Law

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 6TP5

LWN199 Australian and Comparative Human Rights Law

Credit points: 12 **Campus:** Gardens Point and External
Teaching period: 2011 SEM-2

LWN200 Education Law

Australian education institutions operate in an increasingly regulated and litigious environment. Knowledge of relevant legislation and case law is important for education administrators as integral to risk management. Lawyers retained by education institutions may be required to advise on issues arising out of the obligations owed by an institution to its staff and students involving diverse areas of the law: contract, tort, statutory rights and duties. Education rights and responsibilities in similarly situated jurisdictions such as the United Kingdom, the United States and New Zealand do not always correlate with the rights and responsibilities operational in Australia and differences in approach illuminate the strengths and weaknesses of the Australian system.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SUM-1

LWN201 Contemporary Issues in Legal Education

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

LWN301 Principles of Australian Contract Law

Although grounded in principles of English common law, Australian contract law has, like many other areas of Australian law, developed a distinctly Australian slant, particularly in the last 20 years. These emerging principles, as well as the more fundamental contract law concepts, will be explored in this unit. Where appropriate, we will be concentrating on the legal principles applicable in Queensland.

Antirequisites: LWB136 and LWB137 **Credit points:** 12
Contact hours: 26 **Teaching period:** 2011 SEM-1

LWN303 Principles of Property, Commercial and Corporate Law

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 26 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 26 **Campus:** Gardens Point **Teaching period:** 2011 6TP2

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.

Credit points: 12 **Contact hours:** 26 **Campus:** Gardens Point **Teaching period:** 2011 5TP3

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.

Credit points: 12 **Contact hours:** 26 **Campus:** Gardens Point **Teaching period:** 2011 6TP3

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.

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

Campus: Gardens Point and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

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

Campus: Gardens Point and External **Teaching period:** 2011 SEM-1

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.

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

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:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

LWS009 Introduction to Law

Antirequisites: LW% or BSB111 **Assumed knowledge:** Students who have studied any Australian Bachelor of Laws Unit are not permitted to do this unit. **Credit points:** 12

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.

Credit points: 12 **Contact hours:** 39 hrs **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

LWS101 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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

MAB101 Statistical Data Analysis 1

Experiments, observational studies, sampling, and polls; data and variables; framework for describing and manipulating probability; independence; Binomial and Normal distributions; population parameters and sample statistics; concepts of estimation and inference; standard error; confidence intervals for means and proportions; tests of hypotheses on means and proportions (one sample and two independent samples); inference using tables of counts; modelling relationships using regression analysis; model diagnosis; use of statistical software.

Antirequisites: BSB123, EFB101, MAB141, MAN101, MAB233 **Assumed knowledge:** Grade of at least Sound Achievement in Senior Mathematics B (or equivalent) or MAB105 is assumed knowledge. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SUM-2, 2011 SEM-1 and 2011 SEM-2

MAB105 Preparatory Mathematics

This unit is intended to cater for the needs of students whose background in mathematics is either weak or does not reach the equivalent of Senior Mathematics B. It is intended to provide the concepts and skills needed for successful study of those units within the university which assume a background equivalent to Senior Mathematics B. This unit is incompatible with a grade of High Achievement in Senior Mathematics B. The aim of this unit is to develop your mathematical skills in and understanding of algebra, functions and graphing, differential and integral calculus of one variable and to interpret and solve simple, real world

problems using these skills.

Assumed knowledge: Year 10 Level 6 Mathematics is assumed knowledge **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

MAB120 Algebra and Calculus

This unit introduces and reviews the elementary concepts of function, calculus, matrices and vectors with special reference to applications in science, technology and business where appropriate. Topics covered include the algebra of complex numbers, elementary functions (polynomial, trigonometric, exponential and logarithmic) and their properties, differentiation and integration methods and principles, geometric and algebraic applications of vectors and the solution of linear systems using matrices.

Antirequisites: MAN120 **Assumed knowledge:** Grade of at least Sound Achievement in Senior Mathematics B (or equivalent) or MAB105 is assumed knowledge **Equivalents:** MAB100, MAB125, MAB180 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

MAB121 Calculus and Differential Equations

Building upon the foundations established in MAB120 or Senior Maths C, this unit addresses the significant role of mathematical modelling using differential equations for the description and resolution of simple and complex problems relevant to real world situations. The formulation and solution of such problems is supported by appropriate advanced mathematical concepts used for function approximation, differentiation and integration. Undertaking this unit will allow you to develop your problem solving skills, especially in the context of advanced mathematical techniques applied to ordinary differential equations used to model real world problems. You will also gain a deeper understanding of the concepts of the derivative and the integral, and how these may be used in applied contexts.

Antirequisites: MAN121 **Assumed knowledge:** Grade of at least Sound Achievement in Senior Mathematics C (or equivalent) or MAB120 or MAB100 or MAB125 **Equivalents:** MAB111, MAB126, MAB131, MAB182 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

MAB122 Algebra and Analytic Geometry

Building upon the foundations established in MAB120 or Senior Maths C, this unit addresses the significant role of mathematical modelling using vectors, matrices and multivariable calculus for the description and resolution of simple and complex problems relevant in the real world. The formulation and solution of such problems is supported by appropriate advanced mathematical concepts used for function approximation, differentiation and integration. Undertaking this unit will allow you to develop your problem solving skills, especially in the context of advanced mathematical techniques applied to vectors, matrices and multivariable functions used to model real world problems.

Assumed knowledge: Grade of at least Sound Achievement in Senior Mathematics C (or equivalent) or MAB120 or MAB100 or MAB125 **Equivalents:** MAB112,

MAB127, MAB132 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

MAB125 Foundations of Engineering Mathematics

A sound understanding of the language and techniques of mathematics is essential for any quantitative discipline. This unit provides an introduction to the aspects of mathematics especially applicable to engineering and is directed at those students whose mathematics preparation does not include Maths C or an equivalent. For this purpose, it's located in first semester of the first year of your course. This unit introduces you to the fundamental mathematical ideas of function, calculus, vectors and matrices, through the use of contextualised engineering related problems. In solving these problems you will develop both an understanding of the mathematical concepts and competency in appropriate solution methods.

Antirequisites: MAN120 **Assumed knowledge:** Grade of at least Sound Achievement in Senior Mathematics B (or equivalent) or MAB105 is assumed knowledge

Equivalents: MAB100, MAB120, MAB180 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

MAB126 Mathematics for Engineering 1

Building upon the foundations established in MAB125 or Senior Maths C, this unit addresses the significant role of mathematical modelling using differential equations for the description and resolution of simple and complex problems relevant to the discipline of engineering. The formulation and solution of such problems is supported by appropriate advanced mathematical concepts used for function approximation, differentiation and integration. The unit is located in first year for application in core engineering units throughout the rest of the course. Undertaking this unit will allow you to develop your problem solving skills, especially in the context of mathematical techniques applied to ordinary differential equations used to model engineering relevant problems.

Antirequisites: MAN121 **Assumed knowledge:** Grade of at least Sound Achievement in Senior Mathematics C (or equivalent) or MAB125 or MAB180 or MAB120 is assumed knowledge **Equivalents:** MAB111, MAB121, MAB131, MAB182 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

MAB127 Mathematics for Engineering 2

Building upon the foundations established in MAB125 or Senior Maths C, this unit addresses the significant role of mathematical modelling using vectors, matrices and multivariable calculus for the description and resolution of simple and complex problems relevant to the discipline of engineering. The formulation and solution of such problems is supported by appropriate advanced mathematical concepts used for function approximation, differentiation and integration. You will complete this unit in first year or first semester of second year depending on your initial maths background. Undertaking this unit will allow you to develop your problem solving skills, especially in the context of advanced mathematical techniques applied to vectors

and matrices used to model engineering relevant problems.

Assumed knowledge: Grade of at least Sound Achievement in Senior Mathematics C (or equivalent) or MAB125 or MAB120 or MAB131 or MAB182 is assumed knowledge **Equivalents:** MAB112, MAB122, MAB132

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

MAB141 Mathematics and Statistics for Medical Science

This unit includes: mathematics (functions, limits and continuity; differentiation of functions and applications of differentiation; solutions of equation by iteration; interpolation methods; integration and applications of integration); statistics (data collection; exploring, presenting and modelling data; Normal distribution; hypothesis testing and confidence intervals for means and proportions; one-way and two-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.

Antirequisites: MAN101, MAB101 **Assumed knowledge:** Grade of at least Sound Achievement in Senior Mathematics B (or equivalent) or MAB105 is assumed knowledge. **Equivalents:** MAB140 **Credit points:** 12

Contact hours: 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

MAB210 Statistical Modelling 1

This unit is intended for all mathematics degree students, all double degree students with mathematics, secondary education students with mathematics as a teaching area, and quantitatively-oriented students in other courses, particularly in Science, Information Technology, Engineering and areas of Business. The unit will provide you with fundamental skills and operational knowledge for all further study in statistics, and highly relevant foundations for other areas of mathematics such as mathematical modelling and operations research. The unit will also help you develop fundamental problem-solving skills in statistics and mathematics.

Prerequisites: MAB121 or MAB122 **Antirequisites:** MAN210 **Assumed knowledge:** Grade of Sound Achievement in Senior Mathematics C (or equivalent) or MAB120 is assumed knowledge. Students are advised to enrol in either MAB121 or MAB122 in the same semester if not previously completed. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

MAB220 Computational Mathematics 1

Many real world problems are not solvable analytically, meaning that it is necessary to develop computational methods that can be used to solve these problems. Additionally, to be able to apply these methods to large problems, they must be implemented as algorithms in a computer language such as MATLAB. This unit addresses both the theoretical development of computational methods and their implementation in MATLAB. The aim of this unit is to provide you with the introductory concepts, computational techniques and programming skills that will allow you to solve many real world problems. It is also designed to

prepare you for study in the advanced units in computational mathematics.

Antirequisites: MAN220 **Assumed knowledge:** Grade of at least Sound Achievement in Senior Mathematics B (or equivalent) or MAB105 and corequisite MAB120 or MAB125 or MAB100 or MAB180 if you don't have Senior Mathematics C is assumed knowledge **Credit points:** 12

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

Teaching period: 2011 SEM-1 and 2011 SEM-2

MAB233 Engineering Mathematics 3

This unit will provide you with the foundation knowledge and skills to carry out a statistical data investigation including defining the problem, planning the investigation, collecting and analysing data, and reporting conclusions in context. It will also provide you with foundation knowledge and concepts of probability, random variables and distributions for further learning in engineering.

Prerequisites: MAB131 or MAB182 or MAB121 or MAB126 or MAB127 **Antirequisites:** BSB123, MAB101, MAN101

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

Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

MAB281 Mathematics for Computer Graphics

Computer graphics is a rapidly growing field of the computer science industry. It has applications in computer games, virtual reality, CAD systems and geometric modelling. Fundamental to all of these applications is mathematics. Thus, to be a working professional in this area you will need a working knowledge of the basic mathematics and concepts that are central to this field. This unit is also ideal for non-specialists as it demonstrates some of the various fields of applications of mathematics in everyday life. The aim of this unit is to introduce you to the mathematics of computer graphics and relate this to the solutions of problems that arise in the many applications of computer graphics.

Assumed knowledge: Grade of at least Sound Achievement in Senior Mathematics B (or equivalent) or MAB105 is assumed knowledge. **Credit points:** 12

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

Teaching period: 2011 SEM-2

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.

Prerequisites: (MAB111 or MAB121) and (MAB112 or MAB122) **Credit points:** 12 **Contact hours:** 4 per week

Campus: Gardens Point **Teaching period:** 2011 SEM-1

MAB312 Linear Algebra

This unit covers the following broad topics from linear algebra: matrix analysis; eigenvalues and eigenvectors; vector spaces; inner product spaces.

Prerequisites: (MAB111 or MAB121) and (MAB112 or MAB122) **Credit points:** 12 **Contact hours:** 4 per week

Campus: Gardens Point **Teaching period:** 2011 SEM-1

MAB313 Mathematics of Finance

Finance provides one of the significant areas for the application of mathematics. Understanding the fundamental principles involved will enhance your general preparation for life and provide an essential tool for those of you who intend to pursue further studies or careers in the financial area. The aim of this unit is to provide you with an introduction to the methods used in obtaining relevant solutions to financial and business problems.

Prerequisites: MAB111 or MAB121 (which can be concurrently enrolled) **Antirequisites:** MAN313 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: MAB112 and MAB210 **Credit points:** 12

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

Teaching period: 2011 SEM-1

MAB315 Operations Research 2

This unit introduces the essential features of operations research methods. It develops a number of basic mathematical techniques to solve generic problems and the theoretical foundations of these techniques. Students should develop the ability to apply various operations research methods, algorithms and techniques in the solution of practical problems. Students will also look at the applications of operations research techniques to real-world problems.

Prerequisites: MAB210 and (MAB112 or MAB122)

Antirequisites: MAN315 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

MAB413 Differential Equations

Differential Equations are among the most important aspects of the theoretical developments of any branch of science. It is often the case that the formulation of mathematical models of real world problems leads to an equation in which a function and its derivatives play a major role. Such equations are examples of differential equations. This unit builds on studies of differential equations in first year and provides a framework for studying partial differential equations and other aspects of applied mathematics in later semesters.

Prerequisites: MAB311 or MAB312 **Antirequisites:** MAN413 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: MAB101 **Assumed knowledge:** MAB112 is recommended prior study **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAB420 Computational Mathematics 2

This unit provides you with the opportunity to employ a number of the skills that you have developed in the disciplines of computational mathematics and linear algebra, combining them in a coherent manner for resolving topical and relevant real world problems. You will become familiar with the methodologies for developing numerical algorithms that can be employed for either the direct solution or the iterative solution of large, sparse linear systems.

Prerequisites: MAB220 and MAB312 **Antirequisites:** MAN420 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAB422 Mathematical Modelling

In this unit you will develop skills in the formulation and interpretation of mathematical models of 'real-world' problems drawn from the literature, the media and the lecturer's own research areas. You will also develop and extend your skills in the use of mathematical software to investigate solutions of some of these models. By emphasising the need to write clear mathematical arguments and to explain in logical and clear English the conclusions drawn from the mathematical models developed in the unit, you will also develop your written communication skills.

Prerequisites: MAB121 **Antirequisites:** MAN422 **Assumed knowledge:** MAB220 is recommended for prior/concurrent study for exposure to MATLAB **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAB461 Discrete Mathematics

Discrete mathematics is playing an ever increasingly important role in society. We live in an electronic age where information security is of paramount importance, and it is discrete mathematics in the main that provides this security. In addition, many real world systems are discrete in nature and therefore lend themselves to a discrete analysis. These methods are therefore vital to the professional mathematician and useful to those with an interest in mathematics. This second level unit will provide you with an introduction to discrete and combinatorial mathematics, and give you a mathematical perspective that is different from the traditional coverage in other mathematics units. It will also provide you with valuable methods to apply in other areas of science and computer science.

Prerequisites: MAB112 or MAB122 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: ITB849 **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).

Prerequisites: MAB311 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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).

Prerequisites: MAB311 and MAB420 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

MAB524 Statistical Inference

This unit includes: maximum likelihood estimation, confidence intervals and hypothesis tests, introduction to Bayesian inference, prior and posterior distributions, Bayesian inference for binomial data, Poisson count data and normal data, simulation techniques for sampling from distributions. Use of software Matlab and R.

Prerequisites: MAB314 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

MAB525 Operations Research 3A

This unit develops problem-solving skills and sharpens analytical skills. This unit introduces the technical issues involved in applying operations research principles, methods and algorithms in the solution of real-world problems.

Prerequisites: MAB315 **Antirequisites:** MAN525 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: MAB210 and MAB414 **Antirequisites:** MAB523 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

MAB536 Time Series Analysis

Data in business, economics, engineering and the natural sciences often occur in the form of time series. Time Series Analysis provides models and methods for the analysis of such series of correlated observations. The ability to forecast optimally, to understand causal relationships between variables, and to analyse dynamic systems is of great practical importance. For example, optimal sales forecasts are needed for business planning, transfer function models are needed for improving the design and control of a process plant, and vector time series models are used to represent the relationships and interactions of macroeconomic variables in an economy. This unit is concerned with the building of time series models and the use of such models for practical applications such as optimal forecasting, simulation, causality analysis, and analysis of dynamic systems.

Prerequisites: MAB314 and MAB414 **Antirequisites:** MAN536, MAB526 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAB613 Partial Differential Equations

Partial differential equations are the classical foundation of mathematical models used to unambiguously describe processes exhibiting spatial and temporal variation. There exist numerous modern important examples of such so called continuum models and so it is essential that any practising mathematician be conversant with both the background, formulation and solution of such equations. This unit aims to develop your understanding of the construction, analysis, solution and interpretation of partial differential equation models of real-world processes.

Prerequisites: MAB311 and MAB413 **Antirequisites:** MAN613 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: MAB313 and MAB311 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAB624 Applied Statistics 3

Applied statistics provides methods for investigating relationships between variables that arise in data from a variety of areas including science, technology and commerce. The planning of the collection of the data, using ideas of experimental design, and the analysis of the resulting data, using methods based on statistical inference, are fundamental aspects of the statistical process. In addition, communication of results with clear reporting of the conclusions of the analysis is very important. These activities are an important part of decision making processes whatever the context of the application. This unit aims to build on the introductory experimental design and statistical analysis methods presented to you in Applied Statistics 2 in order to introduce modern statistical methods. Additionally, the use of statistical software to carry out analyses and the reporting of conclusions are emphasised.

Prerequisites: MAB414 **Antirequisites:** MAN624 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAB625 Operations Research 3B

Operations research techniques are used in most industries that are concerned with the application of scientific methods in decision making, especially the allocation of resources. There is thus a need for graduate students who can make decisions on the most appropriate technology to solve a particular problem and implement it. This unit will build on the foundation of previous Operations Research units to develop knowledge and skills in using advanced techniques, tools and methods.

Prerequisites: MAB315 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAB640 Industry Project

In a holistic and systematic approach to problem solving, it is important that you learn to apply analytical methods and quantitative techniques encountered in a classroom environment to real world issues in industry. The aim of this unit is to allow you to utilise your knowledge of problem solving procedures and develop your communication and interactive skills by completing a specified project in industry under controlled supervision, providing a summary of your findings in a seminar and presenting a formally written detailed report.

Other requisites: Unit coordinator approval is required to enrol **Credit points:** 24 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: MAB422 **Antirequisites:** MAN672
Assumed knowledge: MAB311. Also recommend: MAB413 **Credit points:** 12 **Contact hours:** 4 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-1

MAB730 Surveying Mathematics 2

Surveying and mapping involve the collection, processing, analysis and presentation of data about the earth's features. Typically, the processing and analysis of this data is performed using computer technology. Thus, knowledge of analytical mathematics and the mathematical algorithms behind a range of computational processes is essential for the surveying professional. The aim of this unit is to extend your knowledge of analytical mathematics and to introduce you to the mathematical algorithms behind a range of computational processes and the basic programming skills needed to enable you to implement these algorithms.

Prerequisites: MAB100 or MAB120 or MAB125
Antirequisites: MAB220 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAN101 Statistical Data Analysis 1

The aim of this unit is to provide you with an essential grounding in statistical reasoning, and in basic methods for the analysis of data and interpretation of variation in all areas of modern science, social science, technology, industry and associated fields. The unit also provides you with key statistical knowledge to apply in many advanced units and projects which involve data and influences of random variation. Fundamental quantitative methods which inform and support statistical knowledge are also provided.

Antirequisites: MAB101, MAB141, BSB123, EFB101, MAB233 **Assumed knowledge:** Grade of at least Sound Achievement in Senior Mathematics B (or equivalent) or MAN105 or MAB105 is assumed knowledge **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SUM-2, 2011 SEM-1 and 2011 SEM-2

MAN105 Preparatory Mathematics

This unit is intended to cater for the needs of students whose background in mathematics is either weak or does not reach the equivalent of Senior Mathematics B. It is intended to provide the concepts and skills needed for successful study of those units within the university which assume a background equivalent to Senior Mathematics B. This unit is incompatible with a grade of High Achievement in Senior Mathematics B. To develop your mathematical skills in and understanding of algebra, functions and graphing, differential and integral calculus of one variable and to interpret and solve simple, real world problems using these skills.

Antirequisites: MAB105 **Assumed knowledge:** Year 10 Level 6 Mathematics is assumed knowledge **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

MAN120 Algebra and Calculus

A sound understanding of the language and techniques of mathematics is essential for any quantitative discipline. This unit provides an introduction to the aspects of mathematics especially applicable to science, technology and business and is directed at those postgraduate students whose mathematics preparation does not include Maths C or an equivalent. This unit is not available to students in MA75 or MA85. This unit introduces you to the fundamental mathematical ideas of functions, calculus, vectors and matrices, through the use of contextualized problems. In solving these problems you will develop both an understanding of the mathematical concepts and competency in appropriate solution methods.

Antirequisites: MAB100, MAB120, MAB180, MAB125
Assumed knowledge: Grade of at least Sound Achievement in Senior Mathematics B (or equivalent) or MAN105 or MAB105 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

MAN121 Calculus and Differential Equations

Building upon the foundations established in MAN120 or Senior Maths C, this unit addresses the significant role of mathematical modelling using differential equations for the description and resolution of simple and complex problems relevant to real world situations. The formulation and solution of such problems is supported by appropriate advanced mathematical concepts used for function approximation, differentiation and integration. Undertaking this unit will allow you to develop your problem solving skills, especially in the context of advanced mathematical techniques applied to ordinary differential equations used to model real world problems. You will also gain a deeper understanding of the concepts of the derivative and the integral, and how these may be used in applied contexts.

Antirequisites: MAB121, MAB111, MAB126, MAB131, MAB182 **Assumed knowledge:** Grade of at least Sound Achievement in Senior Mathematics C (or equivalent) or MAN120 or MAB120 or MAB100 or MAB125 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

MAN122 Algebra and Analytic Geometry

Building upon the foundations established in MAN120 or Senior Maths C, this unit addresses the significant role of mathematical modelling using vectors, matrices and multivariable calculus for the description and resolution of simple and complex problems relevant in the real world. The formulation and solution of such problems is supported by appropriate advanced mathematical concepts used for function approximation, differentiation and integration. Undertaking this unit will allow you to develop your problem solving skills, especially in the context of advanced mathematical techniques applied to vectors, matrices and multivariable functions used to model real world problems.

Antirequisites: MAB112, MAB122, MAB127, MAB132
Assumed knowledge: Grade of at least Sound Achievement in Senior Mathematics C (or equivalent) or MAN120 or MAB120 or MAB100 or MAB125 is assumed knowledge **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

MAN200 Mathematical Foundations

The unit is intended to cater for those students who may not have studied mathematics for some years, hence there is a need to update their mathematics background and fill in gaps. It is designed for a mature learning style and may include directed reading and study and/or attendance at lectures. While much of the material may be in common with certain undergraduate mathematics units, postgraduate students should be able to proceed at a faster pace than undergraduate students and with less direction after the initial re-acquaintance period. This unit is only available to students within the postgraduate coursework programs offered by Mathematical Sciences.

Other requisites: Unit coordinator approval is required to enrol **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

MAN201 Mathematics

This unit follows on from MAN200 Mathematical Foundations although it may be taken in parallel if topics are appropriate. It is intended for postgraduate coursework students in mathematical sciences who require more than one unit to provide them with the necessary background to undertake more advanced units. Students taking this unit will typically be either attending lectures or using lecture material from undergraduate units as part of a formal project but will be directed to extension material or may cover material from more than one unit. This unit is only available to students within the postgraduate coursework programs offered by Mathematical Sciences.

Other requisites: Unit coordinator approval is required to enrol **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

MAN210 Statistical Modelling 1

This unit is intended for all mathematics degree students, all double degree students with mathematics, secondary education students with mathematics as a teaching area, and quantitatively-oriented students in other courses, particularly in Science, Information Technology, Engineering and areas of Business. The unit will provide you with fundamental skills and operational knowledge for all further study in statistics, and highly relevant foundations for other areas of mathematics such as mathematical modelling and operations research. The unit will also help you develop fundamental problem-solving skills in statistics and mathematics.

Prerequisites: MAB121 or MAB122 **Antirequisites:** MAB210 **Assumed knowledge:** Grade of Sound Achievement in Senior Mathematics C (or equivalent) or MAB120 is assumed knowledge. Students are advised to enrol in either MAB121 or MAB122 in the same semester if not previously completed. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

MAN220 Computational Mathematics 1

Many real world problems are not solvable analytically, meaning that it is necessary to develop computational methods that can be used to solve these problems.

Additionally, to be able to apply these methods to large problems, they must be implemented as algorithms in a computer language such as MATLAB. This unit addresses both the theoretical development of computational methods and their implementation in MATLAB. The aim of this unit is to provide you with the introductory concepts, computational techniques and programming skills that will allow you to solve many real world problems. It is also designed to prepare you for study in further units in computational mathematics.

Antirequisites: MAB220 **Assumed knowledge:** Grade of at least Sound Achievement in Senior Mathematics B (or equivalent) or MAB105 and corequisite MAB120 or MAB125 or MAB100 or MAB180 if you don't have Senior Mathematics C **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

MAN281 Mathematics for Computer Graphics

Computer graphics is a rapidly growing field of the computer science industry. It has applications in computer games, virtual reality, CAD systems and geometric modelling. Fundamental to all of these applications is mathematics. Thus, to be a working professional in this area you will need a working knowledge of the basic mathematics and concepts that are central to this field. This unit is also ideal for non-specialists as it demonstrates some of the various fields of applications of mathematics in everyday life. The aim of this unit is to introduce you to the mathematics of computer graphics and relate this to the solutions of problems that arise in the many applications of computer graphics.

Assumed knowledge: Grade of at least Sound Achievement in Senior Mathematics B (or equivalent) or MAB105 / MAN105 is assumed knowledge **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAN311 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.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

MAN312 Linear Algebra

This unit covers the following broad topics from linear algebra: matrix analysis; eigenvalues and eigenvectors; vector spaces; inner product spaces.

Prerequisites: (MAN121 or MAB111 or MAB121) and (MAN122 or MAB112 or MAB122) **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

MAN313 Mathematics of Finance

Finance provides one of the significant areas for the application of mathematics. Understanding the fundamental principles involved will enhance your general preparation for

life and provide an essential tool for those of you who intend to pursue further studies or careers in the financial area. The aim of this postgraduate unit is to provide you with an introduction to the methods used in obtaining relevant solutions to financial and business problems.

Prerequisites: MAB111 or MAB121 or MAN121 (which can be concurrently enrolled) **Antirequisites:** MAB313
Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAN314 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.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

MAN315 Operations Research 2

This unit introduces the essential features of operations research methods. It develops a number of basic mathematical techniques to solve generic problems and the theoretical foundations of these techniques. Students should develop the ability to apply various operations research methods, algorithms and techniques in the solution of practical problems. Students will also look at the applications of operations research techniques to real-world problems.

Prerequisites: MAB210 and (MAB112 or MAB122)
Antirequisites: MAB315 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

MAN413 Differential Equations

Differential Equations are among the most important aspects of the theoretical developments of any branch of science. It is often the case that the formulation of mathematical models of real world problems leads to an equation in which a function and its derivatives play a major role. Such equations are examples of differential equations. This unit builds on prior studies of differential equations and provides a framework for studying partial differential equations and other aspects of applied mathematics in later semesters. This unit aims to provide you with a basis for understanding differential equations, their solutions and solution strategies. The mathematical theory of differential equations, skills in the application of this theory, and the relevance of the material in this unit to problem solving and interpretation will all be developed.

Prerequisites: MAB311 or MAB312 or MAN311 or MAN312 **Antirequisites:** MAB413 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAN414 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.

Prerequisites: MAN101 **Assumed knowledge:** Recommended MAB112 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAN420 Computational Mathematics 2

This unit provides you with the opportunity to employ a number of the skills that you have developed in the disciplines of computational mathematics and linear algebra, combining them in a coherent manner for resolving topical and relevant real world problems. You will become familiar with the methodologies for developing numerical algorithms that can be employed for either the direct solution or the iterative solution of large, sparse linear systems.

Prerequisites: (MAN220 or MAB220) and (MAN312 or MAB312) **Antirequisites:** MAB420 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAN422 Mathematical Modelling

In this unit you will develop skills in the formulation and interpretation of mathematical models of 'real-world' problems drawn from the literature, the media and the lecturer's own research areas. You will also develop and extend your skills in the use of mathematical software to investigate solutions of some of these models. By emphasising the need to write clear mathematical arguments and to explain in logical and clear English the conclusions drawn from the mathematical models developed in the unit, you will also develop your written communication skills.

Prerequisites: MAN121 **Antirequisites:** MAB422
Assumed knowledge: MAN220 is recommended for prior/concurrent study for exposure to MATLAB **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAN461 Discrete Mathematics

Discrete mathematics is playing an ever increasingly important role in society. We live in an electronic age where information security is of paramount importance, and it is discrete mathematics in the main that provides this security. In addition, many real world systems are discrete in nature and therefore lend themselves to a discrete analysis. These methods are therefore vital to the professional mathematician and useful to those with an interest in mathematics. This unit will provide you with an introduction to discrete and combinatorial mathematics, and give you a mathematical perspective that is different from the traditional coverage in other mathematics units. It will also provide you with valuable methods to apply in other areas of science and computer science.

Prerequisites: MAN122 or MAB112 or MAB122
Antirequisites: MAB461, MAB621 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAN480 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.

Antirequisites: ITB849, MAB480 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point

MAN521 Applied Mathematics 3

Topics selected from: 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).

Prerequisites: MAN311 or MAB311 **Antirequisites:** MAB521 **Credit points:** 12 **Contact hours:** 4 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-1

MAN522 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).

Prerequisites: (MAN311 or MAB311) and (MAN420 or MAB420) **Credit points:** 12 **Contact hours:** 4 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-1

MAN524 Statistical Inference

This unit includes: maximum likelihood estimation, confidence intervals and hypothesis tests, introduction to Bayesian inference, prior and posterior distributions, Bayesian inference for binomial data, Poisson count data and normal data, simulation techniques for sampling from distributions. Use of software Matlab and R. Assumed knowledge: exposure to introductory ideas of statistical inference, including parameter estimation, confidence intervals and hypothesis testing, such as provided by a first course in statistics or data analysis.

Prerequisites: MAN314 or MAB314 **Antirequisites:** MAB524 **Credit points:** 12 **Contact hours:** 4 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-1

MAN525 Operations Research 3A

This unit develops problem-solving skills and sharpens analytical skills. This unit introduces the technical issues involved in applying operations research principles, methods and algorithms in the solution of real-world problems.

Prerequisites: MAB315 or MAN315 **Antirequisites:** MAB525 **Credit points:** 12 **Contact hours:** 4 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-1

MAN533 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.

Prerequisites: MAN210 and MAN414 **Antirequisites:** MAB533 **Credit points:** 12 **Contact hours:** 4 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-1

MAN536 Time Series Analysis

Data in business, economics, engineering and the natural sciences often occur in the form of time series. Time Series Analysis provides models and methods for the analysis of such series of correlated observations. The ability to forecast optimally, to understand causal relationships between variables, and to analyse dynamic systems is of great practical importance. For example, optimal sales forecasts are needed for business planning, transfer function models are needed for improving the design and control of a process plant, and vector time series models are used to represent the relationships and interactions of macroeconomic variables in any economy.

Prerequisites: MAB314 and MAB414 **Antirequisites:** MAB536, MAN526 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAN613 Partial Differential Equations

Partial differential equations are the classical foundation of mathematical models used to unambiguously describe processes exhibiting spatial and temporal variation. There exist numerous modern important examples of such so called continuum models and so it is essential that any practicing mathematician be conversant with both the background, formulation and solution of such equations. This unit aims to develop your understanding of the construction, analysis, solution and interpretation of partial differential equation models of real-world processes.

Prerequisites: (MAB314 and MAB414) or (MAN314 and MAN414) **Antirequisites:** MAB613 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2

MAN623 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.

Prerequisites: (MAN313 or MAB313) and (MAN311 or MAB311) **Assumed knowledge:** EFB210 is highly recommended prior study **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching**

period: 2011 SEM-2

MAN624 Applied Statistics 3

Applied statistics provides methods for investigating relationships between variables that arise in data from a variety of areas including science, technology and commerce. The planning of the collection of the data, using ideas of experimental design, and the analysis of the resulting data, using methods based on statistical inference, are fundamental aspects of the statistical process. In addition, communication of results with clear reporting of the conclusions of the analysis is very important. These activities are an important part of decision making processes whatever the context of the application. This unit is concerned with building on the experimental design and statistical analysis methods presented in undergraduate units in order to advance your knowledge of modern statistical methods. Additionally, the use of statistical software to carry out analyses and the reporting of conclusions are emphasised.

Prerequisites: MAB414 or MAN414 **Antirequisites:** MAB624 **Credit points:** 12 **Contact hours:** 4 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-2

MAN625 Operations Research 3B

Operations research techniques are used in most industries that are concerned with the application of scientific methods in decision making, especially the allocation of resources. There is thus a need for graduate students who can make decisions on the most appropriate technology to solve a particular problem and implement it. This unit will build on the foundation of previous Operations Research units to develop knowledge and skills in using advanced techniques, tools and methods.

Prerequisites: MAN315 **Equivalents:** MAB625 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MAN672 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.

Prerequisites: MAN422 or MAB422 **Antirequisites:** MAB672 **Assumed knowledge:** MAN311. Also recommend: MAN413 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

MAN700 Project

This unit aims to provide a framework for you to apply the mathematically-founded analytical methods and quantitative techniques learned in other units in the course to real world problems relevant to you. You will gain expertise in problem

formulation, problem solving and communication, involving mathematical techniques. Permission to enrol in this unit must be obtained from the Course Coordinator.

Other requisites: Unit coordinator approval is required to enrol **Credit points:** 24 **Campus:** Gardens Point
Teaching period: 2011 SEM-1, 2011 SEM-2 and 2011 SUM

MAN717 Minor Project

Research in the Mathematical and Statistical Sciences can be intellectually challenging and rewarding and generally requires a knowledge base and a range of generic capabilities to be developed to a level that is not normally achieved in a bachelor degree of three years duration. This unit offers you the opportunity to acquire this knowledge and these capabilities. By undertaking a minor research project in a field which is of interest to you, undertaking advanced level coursework in a discipline related to your area of Mathematical interest, or both. Permission to enrol in this unit must be obtained from the Course Coordinator.

Other requisites: Unit coordinator approval is required to enrol **Credit points:** 12 **Campus:** Gardens Point
Teaching period: 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: MAB311 and MAB312 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point

MAN764 Applied Mathematical Modelling

Through the investigation of case studies and the development and practice of techniques and skills related to the formulation of mathematical models and their numerical solution, this unit provides you with the opportunity to employ these skills you have developed in your studies in mathematics, combining them in a coherent manner for solving topical and relevant problems. You will become familiar with methodologies for developing mathematically based theoretical tools for the solution of problems that may well be outside your core discipline area and in communicating the results of your theoretical study to a diverse audience.

Prerequisites: MAB613 and MAB672 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2

MAN765 Bayesian Data Analysis

This subject builds on the foundations of Bayesian analysis laid in MAB524 to extend modelling and computational approaches to real world problems. Skills in using statistical computing platforms for Bayesian analysis, model development and comparison, and extending computational approaches will be developed. You are encouraged to apply skills to data modelling tasks motivated by their work or research areas.

Prerequisites: MAB524 or MAN524 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point

Teaching period: 2011 SEM-1

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.

Prerequisites: (MAN524 or MAB524) and (MAN536 or MAB536) **Credit points:** 12 **Contact hours:** 3 per week

Campus: Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: (MAN525 or MAB525) and (MAN625 or MAB625) **Credit points:** 12 **Contact hours:** 3 per week

Campus: Gardens Point **Teaching period:** 2011 SEM-1

MAN769 Mathematics of Finance

This unit will present to you the essential elements of mathematical finance including the development of stochastic calculus which is essential for a quantitative treatment of mathematical finance. Computational approaches will be developed for simulating various financial instruments. In addition, the application of models and methods developed in some key problems of mathematical finance will be demonstrated to you.

Prerequisites: MAN623 or MAB623 or MAN522 or MAB522 **Credit points:** 12 **Contact hours:** 3 per week

Campus: Gardens Point **Teaching period:** 2011 SEM-2

MAN771 Computational Mathematics 4

An essential skill for practicing applied mathematicians and engineers is the derivation and implementation of computational models for solving the equations that govern many of the physical processes encountered in research and industry. Through the investigation of specific case studies developed in Matlab, the derivation of numerical techniques, the implementation of efficient algorithms and the visualisation of the simulation results, students undertaking this unit will develop an understanding of the value of computational mathematics. The aim of this unit is to provide you with the opportunity to employ a number of the skills that you have developed in the discipline of computational mathematics, combining them in a coherent manner for solving topical and relevant real world problems.

Prerequisites: MAB522 and MAB613 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point

Teaching period: 2011 SEM-2

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.

Prerequisites: (MAN413 or MAB413) and (MAN521 or MAB521) **Credit points:** 12 **Contact hours:** 3 per week

Campus: Gardens Point **Teaching period:** 2011 SEM-1

MAN775 Statistical Modelling of Financial Processes

Postgraduate students pursuing a career in finance will find that financial modelling is a major area of application of mathematics and statistics. In fact, its models and methods, which draw on recent developments in diverse areas of mathematical sciences such as stochastic analysis, partial differential equations and probability theory, provide needed tools for quantitative modelling and financial analysis. In fact, its fundamental principles enhance a general education for life. This unit is one of a suite of units in statistics and operations research/Decision Science, which will equip you with essential skills for pursuing a career in business and finance.

Prerequisites: MAB524 and MAN536 **Credit points:** 12

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

Teaching period: 2011 SEM-2

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.

Prerequisites: MAN613 or MAB613 **Credit points:** 12

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

Teaching period: 2011 SEM-1

MAN778 Applications of Discrete Mathematics

This unit has two main areas of study. One is the application of graph theory to a number of practical problems including trees and shortest path algorithms. The other 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.

Prerequisites: MAN461 or MAB621 **Credit points:** 12

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

Teaching period: 2011 SEM-1

MAN787-1 Project

Research in the Mathematical and Statistical Sciences has contributed significantly to a vast range of social and economic amenities. Such research can be intellectually challenging and rewarding and generally requires a range of capabilities to be developed to a level that is not normally achieved in a bachelor degree of three years duration. This unit offers you the opportunity to develop and/or refine some of these capabilities by undertaking a research project that is significant in the context of the social and economic outcomes alluded to above. Permission to enrol in this unit must be obtained from the Course Coordinator.

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

period: 2011 SEM-1, 2011 SEM-2 and 2011 SUM

SEM-2

MAN787-2 Project

Research in the Mathematical and Statistical Sciences has contributed significantly to a vast range of social and economic amenities. Such research can be intellectually challenging and rewarding and generally requires a range of capabilities to be developed to a level that is not normally achieved in a bachelor degree of three years duration. This unit offers you the opportunity to develop and/or refine some of these capabilities by undertaking a research project that is significant in the context of the social and economic outcomes alluded to above. Permission to enrol in this unit must be obtained from the Course Coordinator.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

MAN787-3 Project

Research in the Mathematical and Statistical Sciences has contributed significantly to a vast range of social and economic amenities. Such research can be intellectually challenging and rewarding and generally requires a range of capabilities to be developed to a level that is not normally achieved in a bachelor degree of three years duration. This unit offers you the opportunity to develop and/or refine some of these capabilities by undertaking a research project that is significant in the context of the social and economic outcomes alluded to above. Permission to enrol in this unit must be obtained from the Course Coordinator.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011

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.

Prerequisites: MDB002 **Credit points:** 12 **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Internet, Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1

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.

Prerequisites: MDB031 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: MDB031 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: 24 credit points in Computing discipline studies is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: MDB015 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: MDB016 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: 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.

Assumed knowledge: 24 credit points in Mathematics discipline studies is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

Teaching period: 2011 SEM-1

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.

Prerequisites: MDB021 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: MDB022 or MDB453 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: MDB031 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: MDB031 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: 24 credit points in discipline studies from any of the following is assumed knowledge: Biology, Chemistry, Earth Science, Physics, and Science Studies.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: MDB010 or MDB013 or MDB019 or MDB025 or MDB028 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

MDB321 Information System Modelling In Educational Contexts

This unit examines the modelling of information systems, relational systems, fact oriented approaches and conceptual schema design.

Prerequisites: MDB320 **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.

Prerequisites: 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.

Prerequisites: 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011

SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

MDB397 Digital Media in Education

This unit addresses the following: understanding multimedia and multimedia systems; application of multimedia in education and training; multimedia authoring software; designing and creating multimedia applications for educational environments.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet **Teaching period:** 2011 SEM-1

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.

Prerequisites: MDB021 or MDB002 or EAB027 **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

MDB455 Mathematics in Life and Work

You will explore mathematics in a range of life-related situations, including mathematics in history. As well as building your knowledge of the uses of mathematics in specific situations, the unit will assist you to deepen your understanding of the mathematics that underlies these situations.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet **Teaching period:** 2011 SEM-1

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 **Campus:** External **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: CLP402 (can be enrolled in the same teaching period) **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.

Assumed knowledge: 48 credit points of appropriate Mathematics discipline studies is assumed knowledge.

Credit points: 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: MDP456 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: MDP457 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Assumed knowledge: 48 credit points of appropriate Science discipline studies is assumed knowledge. **Credit points:** 12 **Campus:** Internet and Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: MDP459 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: MDP460, MDP462, MDP463, MDP464 or MDP465 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: MDP459 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: MDP459 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: MDP459 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1

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.

Prerequisites: MDP459 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

MDP470 Primary Maths: P-7

The pedagogical methodology will consider strategies to develop what is important to prepare individuals in a rapidly changing society that is ever more dependent on mathematical understanding in diverse fields, never envisaged just 10 years ago. The core of the content will be based on the Queensland Essential Learnings (Mathematics) and the Australian Curriculum: Mathematics, currently being developed by the Australian Curriculum Assessment and Reporting Authority (ACARA).

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1

MDP471 Primary Science: P-7

Teaching science and technology in primary schooling contexts needs to focus on developing students' skills of inquiry and investigation with opportunities for students to explore a wide range of phenomena that relate to the natural and designed world. This unit is designed to develop some fundamental curriculum, pedagogical and assessment practices associated with teaching science and technology in the primary years of schooling.

Credit points: 12 **Teaching period:** 2011 SEM-2

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.

Prerequisites: BSB115 or CTB115 **Antirequisites:** MGB211, CTB211, MGB222, CTB232 **Equivalents:** MGX200 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and Caboolture **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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

Prerequisites: BSB115 or CTB115 **Equivalents:** MGX201 **Credit points:** 12 **Contact hours:** 3 per week

Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: BSB115 or CTB115 **Equivalents:** CTB207 MGX207 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: BSB115 or CTB115 **Equivalents:** CTB234 MGX210 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: BSB123 or BSB122 **Antirequisites:** AMB201, CTB201 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: BSB115 or CTB115 **Equivalents:** CTB223 MGX223 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: BSB115, CTB115, BSB119 or BSB124 **Antirequisites:** MGB312 **Equivalents:** IBB205 MGX225 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

MGB305 HRM Strategy and Policy

This is the capstone of the HRM extended major. The primary objective is to integrate HR concepts and issues into the wider business and environmental context; a range of historical features, professional and ethical matters are considered; policy development and evaluation is examined; an experiential approach based in cases and/or simulations is adopted.

Prerequisites: MGB314 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Other requisites: Subject to Unit Coordinator Approval. Students must complete at least 96 credit points of approved study to be considered for enrolment in this unit. **Credit points:** 12 **Contact hours:** Flexible Mode **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: MGB200, MGB211, CTB211, MGB222, or CTB232 **Antirequisites:** MIB314 **Equivalents:** MGX309 **Credit points:** 12 **Contact hours:** 3 per week

Campus: Gardens Point and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: MGB200, MGB211, CTB211, MGB222, or CTB232 **Antirequisites:** MGB334, CTB334, MGB212

Equivalents: MGX310 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and Caboolture **Teaching period:** 2011 SEM-2

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.

Prerequisites: MGB211, CTB211, MGB222, CTB232, or MGB200 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: MGB339 or MGB221 **Equivalents:** MGX320 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: MGB223 **Equivalents:** MGB218 MGX324 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point and Caboolture **Teaching period:** 2011

SEM-1

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.

Prerequisites: MGB211, CTB211, MGB222, CTB232, or MGB200 **Equivalents:** MGX331 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: (MGB210 and MGB309) or (MGB210 and AMB303) **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Other requisites: An application, interview and subsequent approval by the unit coordinator is required to enrol, in addition to the completion of a minimum of 192 credit points of study and a GPA of 4.0 or higher **Credit points:** 12

Contact hours: 120 hours in workplace and 12 at university **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: MGB201, MGB207, or CTB207 **Equivalents:** MGB221 MGX339 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: MGB225, IBB205, IBB217, or IBB208

Antirequisites: IBB317 **Equivalents:** MGX340 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

MGB341 Operational Risk Management

This unit aims to develop student competencies in analysing risk management issues in national and international contexts and build a strong appreciation of managing the organisational uncertainty in the current global environment. It introduces conceptual and practical applications of risk management techniques used in private and public organisations by combining lectures with practical 'hands-on' workshops. The unit examines: conceptual bases of risk management; international, national and sub-national regulatory frameworks; corporate risk management in international firms; business continuity planning; security risk management; emergency response planning; managing crises in organisations; participatory 'desktop' simulations of crisis decision making.

Prerequisites: MGB309 **Antirequisites:** IBB306

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: MGB331 and BSB124 **Equivalents:** MGB315 MGX370 **Credit points:** 12 **Contact hours:** 3 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: GSN401 and GSZ401 **Credit points:** 12

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

Teaching period: 2011 SEM-1 and 2011 SEM-2

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 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Antirequisites: GSN409, GSN419 and GSZ409 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: MGN506 and 84cp of other MGN units

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: BSN407 and MGN504 **Credit points:** 12

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

Teaching period: 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: MGN409 **Credit points:** 12 **Contact hours:** 3 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

MGN440 Designing Effective and Sustainable Organisations

This unit examines the interplay between human resource management policies and processes and their contribution to sustainable competitive advantage and organisational effectiveness. HRM is considered from stakeholder, strategic and functional perspectives and an open systems model is used to introduce key processes and practices. The unit fosters discipline knowledge, analytical and action taking competencies and prepares students for advanced study in the field.

Antirequisites: MGN427 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

MGN441 Leadership and Executive Coaching

One-to-one executive coaching has emerged as a popular and powerful intervention for improving the performance and satisfaction of individual executives. More recently, its use has been expanded into a variety of related organisational interventions. Human resource professionals are often responsible for making decisions about how coaching is used in organisations, particularly in relation to leadership development. This unit will equip students with expertise in understanding how leadership and executive coaching intersect in organisations. It will cover the theoretical foundations and models of evidence-based executive coaching, give opportunities to acquire and practice foundational coaching skills, as well as providing feedback for self-development.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

MGN442 Self Leadership

In the contemporary business environment professionals are empowered to manage their own growth and development in order to facilitate meaningfulness in organisational life. The unit on Self-leadership is an elective in the HRM major and is delivered predominately in an 'on-line' mode to enable an 'anytime' and 'anywhere' approach to your self-development work. This approach invites you to take the necessary time to reflect and develop greater insight into your own thinking and behaviour.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

MGN443 Talent Management

Australia's growing skills shortage and the prospect of an ageing workforce threaten the sustainability, productivity and growth of many industry sectors. These pressures have made talent management a strategic priority for many organisations. At its heart, talent management is simply a matter of anticipating the need for human capital and then developing a plan to meet it. However, the adaptive capacity of traditional workforce planning methods appears inadequate for today's uncertain business environment. This unit examines talent management as an alternative to traditional HR planning practices. It focuses on developing both a theoretical framework to guide talent management initiatives and applied skills (e.g. identification of critical roles, workforce forecasting and analysis) required to develop a talent management plan.

Antirequisites: MGN429 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

MGN444 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.

Antirequisites: MIN403 **Equivalents:** IBN403 MGX444 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

MGN445 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.

Antirequisites: MIN404 **Equivalents:** IBN404 MGX445 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

MGN446 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.

Antirequisites: MIN435 **Equivalents:** IBN435 MGX446
Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

MGN447 Managing in a Globalised Economy

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.

Antirequisites: BSN408 **Equivalents:** IBN408 MGX447
Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

MGN448 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.

Antirequisites: GSN462 **Equivalents:** IBN409 MGX448
Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** Flexible Mode
Campus: Gardens Point **Teaching period:** 2011 SEM-1

MGN506 Contemporary Issues in Human Resource Management

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.

Credit points: 12 **Contact hours:** Flexible Mode

Campus: Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** Flexible Mode
Campus: Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Contact hours:** flexible mode
Campus: Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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).

Credit points: 12 **Contact hours:** flexible Mode
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.

Equivalents: NRB230 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

NQB202 History of Life on Earth

This unit aims to provide you with an understanding of the processes of evolution and the changing environmental conditions through time that influenced the patterns of the evolution of life on this planet. The unit will provide you with practical experience in fossil plant and animal identification, classification and morphological interpretation. It will also enable you to apply palaeontological information to interpret the evolutionary history of higher taxa and the changing ancient depositional environments through time.

Equivalents: NRB240 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: NQB201 is assumed knowledge.

Equivalents: NRB301 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: NRB333 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

NQB314 Sedimentary Geology

This unit provides students with an introduction to sedimentology; both sediments and sedimentary rocks. The unit focuses on the link between the range of features preserved in sedimentary rocks and what those features tell us about sedimentary processes, depositional environments and the burial history of the rocks. The sedimentological processes and depositional environments observed in the modern world are discussed and used as a foundation for interpreting the evidence preserved in the ancient sedimentary rock record, in turn revealing much about earth processes in geologic history.

Assumed knowledge: NQB201 is assumed knowledge.

Equivalents: NRB331 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: SCB110 or SCB112 **Equivalents:** NRB311 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: NRB370 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: SCB112 **Equivalents:** NRB371 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

NQB403 Soils and the Environment

This unit will provide you with grounding in soil science (pedology) by emphasising pedological principles, their application to environmental soil analysis and management, and knowledge of ecosystem function of soil in a changing environment. This one of the most critical resources to consider within the context of climate change and is an essential component of environmental scientific studies. It also compliments and provides a basis for further biogeoscientific studies in the SC01 degree. Your knowledge of past and present soil processes will help you to predict process pathways and outcomes for the purposes of environmental planning and management, risk analysis, and impact assessment involving soils. It also contributes to your understanding of field survey and interpretation of soil phenomena in ecological, geological and environmental contexts.

Prerequisites: NQB302 or NRB301 or (ENB272 and ENB274) **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

NQB411 Petrology of Igneous and Metamorphic Rocks

Igneous and metamorphic rocks compose the bulk of the Earth. Understanding what these rocks are and how they form is an essential part of the study of geology and is fundamental to a wide range of higher level units. This unit builds upon the knowledge and skills acquired in the

prerequisite unit (NQB311 Mineralogy) by focusing on the description, classification and origins of igneous and metamorphic rocks. This unit aims to allow you to develop the theoretical and practical skills necessary to describe, classify and interpret igneous and metamorphic rocks.

Prerequisites: NQB311 or NRB333 **Equivalents:** NRB436 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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. This unit fosters the skill of critical three- and four-dimensional analysis that usually sets geoscientists apart from other scientists and technologists.

Prerequisites: NQB314 or NRB331 **Equivalents:** NRB434 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: NQB314 or NRB331 **Equivalents:** NRB437 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

NQB421 Experimental Design

This unit deals with the theory and practice of experimental design and the quantitative approaches used for the investigation of ecological and environmental questions discussed in the prerequisite unit Ecology and developed in subsequent units in the ecology and environmental science majors.

The aims of this unit are to provide an introduction to the logic of experimentation and experimental design; build a practical extension on the theoretical basis of statistics obtained in other units using experimental situations commonly met in ecology and environmental science; and apply methods used to quantify the ecological attributes of populations and communities in experimental field situations.

Prerequisites: MAB101 or MAB104 or MAB105, and NQB321 or NRB311 **Equivalents:** NRB412 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

NQB422 Genetics and Evolution

A detailed understanding of the principles of genetics is required to fully comprehend modern developments in ecology and evolutionary theory. These principles will be taken forward to develop a clear understanding of the mechanisms and processes that drive evolution in natural populations. The unit provides the foundation for further studies in population and conservation biology. The aim of the unit is to provide a detailed understanding of the principles of genetics and their application to studies of evolution and ecology.

Prerequisites: SCB112 **Equivalents:** NRB410 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

NQB423 Vertebrate Biology

This unit provides background and details on the diversity and evolution of vertebrates. It is therefore an important unit of study for any graduate wishing to pursue a career that requires an understanding of the earth's biological diversity. The unit compliments other advanced units dealing with animal and plant diversity, and the ecology of these groups. The aim of this unit is for you to gain a deeper understanding of the evolution of vertebrate groups, vertebrate taxonomy, physiology and behaviour.

Prerequisites: SCB112 **Equivalents:** NRB470 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

NQB501 Environmental Modelling

The capacity for management of complex environmental problems such as climate change, now and in the future, will rely on the capacity of environmental managers to create, interpret and critically analyse models of environmental systems. Mathematical model building promotes the capacity to understand the interdependent relationships that characterise environmental systems and also provides a quantitative foundation for informed environmental management.

Prerequisites: NQB412 or NQB421 **Assumed knowledge:** 48 credit points of second level science units is assumed knowledge. **Equivalents:** NRB500 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

NQB502 Field Methods in Natural Resource Sciences

Field experience is an essential part of the professional training of geologists, environmental scientists, ecologists, and natural resource specialists in general. The theory and practice of methods to interpret, measure, map, and monitor important natural resource features and characteristics are essential to the study of geological, ecological and environmental systems. Methods of survey, mapping and interpretation are necessary skills for resource assessment, geo-exploration, environmental impact assessment, land evaluation, baseline studies, and ecological investigations. There are varying emphases on these outcomes depending on the type of field survey you undertake in this unit.

Prerequisites: (NQB321 or NQB411) and (NQB302 or NQB412) **Assumed knowledge:** 36 credit points of second level science units in selected major is assumed knowledge. NQB302 and NQB403 for Env Sc, NQB321 for Ecol, NQB411 and NQB412 for Geosc **Equivalents:**

NRB601 Credit points: 12 **Contact hours:** 4 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-1

NQB503 Spatial Analysis of Environmental Systems

TBA

Equivalents: NRB501 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

NQB512 Economic Geology

The unit is divided up into two 6 week modules. The first module concentrates on the formation of coal deposits, the geology of Australian coal basins, formation and exploitation of coal seam gas and coal resource evaluation. The second module concentrates on the formation and preservation of economic mineral deposits.

Prerequisites: NQB411, NQB413 **Antirequisites:** NRB535 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

NQB513 Geophysics

Geophysics is an integral branch of geology, providing many of the most useful methods of imaging the subsurface of the earth. These methodologies are useful in disciplines as diverse as plate tectonics, oil and mineral exploration, hydrogeology, environmental geology, engineering geology, and seismic hazards. The aim of the unit is to provide you with the core knowledge and skills of geophysical measurements, processing of data, and geological interpretation of geophysical data.

Prerequisites: (NQB201 or NRB230) and (NQB412 or NRB434) **Equivalents:** NRB534 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

NQB521 Population Genetics and Molecular Ecology

This unit is an extension of NQB422 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.

Prerequisites: NQB422 **Antirequisites:** NRB510 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

NQB523 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 interactions that are most relevant to pest control, but the unit is also of fundamental importance to harvesting and conservation biology.

Prerequisites: NQB321, NQB421 **Antirequisites:** NRB511 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

NQB601 Sustainable Environmental Management

This unit provides background and details on global sustainable management issues and practices with a focus on Australia. It is therefore an important unit of study for any graduate wishing to pursue a career in environmental

science who shares an abiding interest in the state and sustainable management of our planet. The unit compliments other advanced units dealing with environmental science and its practice. The aim of this unit is to gain deeper understanding of a variety of current issues in environmental management; their multi-disciplinary nature, the science behind them, and the ways of achieving sustainable environmental management in scientific and practicable ways.

Assumed knowledge: 48 credit points of second level science units is assumed knowledge. **Equivalents:** NRB600 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

NQB602 Environmental Chemistry

Focusing on fundamental environmental principles, this unit provides essential material for students majoring or co-majoring in any of several disciplines: earth science, environmental science, ecology, biodiversity and chemistry. Material covered includes: basic chemical principles underlying global, regional and local environmental processes; behaviour of natural and synthetic chemical species in the environment and biota (basic toxicology); and basic concepts in applied biogeochemistry, bioremediation and bioleaching. The unit also fosters development of practical and theoretical environmental monitoring skills using physicochemical parameters. Such monitoring data is used to promote informed environmental management through facilitation of scientific hypotheses testing about the environment; supply of data for model validation; testing compliance with regulations and guidelines; and providing data for environmental impact and risk assessment.

Prerequisites: PCB140 or PCB142 or SCB111 or SCB121 **Assumed knowledge:** 72 credit points of Science and/or Health units is assumed knowledge **Equivalents:** NRB440 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

NQB612 Basin Analysis and Petroleum Geology

The aim of the unit is to provide you with a fundamental working knowledge of sedimentary strata at regional and basin-wide scales, so as to allow you to solve problems in the exploration and modern environmental management sectors. This unit fosters the skill of critical three- and four-dimensional analysis that usually sets geoscientists apart from other scientists and technologists, and develops an understanding of exploration and production aspects of the fossil fuel industries. Undertaking this unit, you will acquire: the conceptual and technical tools to enable you to rationally interpret the distribution of rock units in space and time with emphasis on predicting the occurrences of petroleum resources; an understanding of the genesis and setting of hydrocarbon resources; and an understanding of the techniques of exploration, evaluation and utilisation of petroleum.

Prerequisites: (NQB413 or NRB437) and (NQB513 or NRB534). NQB513 can be studied in the same teaching period as NQB612 **Equivalents:** NRB636 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

NQB613 Plate Tectonics

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.

Prerequisites: (NQB412 or NRB434) and (NQB314 or NRB331) and (NQB411 or NRB436) and (NQB513 or NRB534). NQB513 can be studied in the same teaching period as NQB613 **Equivalents:** NRB635 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

NQB614 Groundwater Systems

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.

Prerequisites: NQB302 or NRB301 or ENB383
Equivalents: NRB633 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

NQB615 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.

Equivalents: NRB536 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

NQB622 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.

Prerequisites: NQB321 or NRB311, and NQB422 or NRB410 **Equivalents:** NRB611 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

NQB623 Ecological Systems

The science of ecology examines the distribution and abundance of organisms at a number of organisational levels from individuals to landscapes. At each of these levels there are separate and distinct attributes that require investigation and explanation. One important level of organisation is the ecosystem. An essential component of ecological studies is to examine these ecological systems and how they are shaped by the interaction between their constituent species and the physical environment. This unit builds on aspects animal and plant diversity and ecology covered in previous units to examine how the interrelationships between key physical, ecological, biological and geological processes shape ecological systems. The aim of this unit is to develop an understanding of the structure and function of terrestrial and aquatic ecosystems, and especially the processes that have shaped Australia's major ecological systems.

Prerequisites: NQB321 or NRB311 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

NRB720-1 Project

Independent research is fundamental to science and the research project represents a major component of the Honours program. The unit provides the opportunity for students to identify and solve scientific problems logically and creatively. Students are required to relate the project work to published work in the field of study. Project aims to foster enhanced observational skills, relevant practical skills, lateral thinking and problem solving, literacy and communication skills, professional responsibility and ethical conduct, and conduct of scientific research. (60 credit points achieved at completion of NRB720-1, NRB720-2, NRB720-3, NRB720-4 and NRB720-5.)

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

NRB720-2 Project

Independent research is fundamental to science and the research project represents a major component of the Honours program. The unit provides the opportunity for students to identify and solve scientific problems logically and creatively. Students are required to relate the project work to published work in the field of study. Project aims to foster enhanced observational skills, relevant practical skills, lateral thinking and problem solving, literacy and communication skills, professional responsibility and ethical conduct, and conduct of scientific research. (60 credit points achieved at completion of NRB720-1, NRB720-2, NRB720-3, NRB720-4 and NRB720-5.)

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

NRB720-3 Project

Independent research is fundamental to science and the research project represents a major component of the Honours program. The unit provides the opportunity for students to identify and solve scientific problems logically and creatively. Students are required to relate the project work to published work in the field of study. Project aims to foster enhanced observational skills, relevant practical skills,

lateral thinking and problem solving, literacy and communication skills, professional responsibility and ethical conduct, and conduct of scientific research.(60 credit points achieved at completion of NRB720-1, NRB720-2, NRB720-3, NRB720-4 and NRB720-5.)

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

NRB720-4 Project

Independent research is fundamental to science and the research project represents a major component of the Honours program. The unit provides the opportunity for students to identify and solve scientific problems logically and creatively. Students are required to relate the project work to published work in the field of study. Project aims to foster enhanced observational skills, relevant practical skills, lateral thinking and problem solving, literacy and communication skills, professional responsibility and ethical conduct, and conduct of scientific research.(60 credit points achieved at completion of NRB720-1, NRB720-2, NRB720-3, NRB720-4 and NRB720-5.)

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

NRB720-5 Project

Independent research is fundamental to science and the research project represents a major component of the Honours program. The unit provides the opportunity for students to identify and solve scientific problems logically and creatively. Students are required to relate the project work to published work in the field of study. Project aims to foster enhanced observational skills, relevant practical skills, lateral thinking and problem solving, literacy and communication skills, professional responsibility and ethical conduct, and conduct of scientific research. (60 credit points achieved at completion of NRB720-1, NRB720-2, NRB720-3, NRB720-4 and NRB720-5.)

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

NRB730-1 Research Methods and Strategies

The unit consists of advanced research discussion and proposal writing. This coursework forms an important component in the development of the research training of the student from the aspects of data acquisition, organisation, planning, and implementation. The aim of the unit is to enable the student to develop and improve research abilities and skills, and to focus their efforts towards their research projects. Such skills are in organisation, but also in locating, identifying and integrating the required background data and other information for the particular study. Specific problems are discussed in detail to help develop critical thinking via a problem solving approach to research issues. Assessment is based on a written research proposal, which includes a comprehensive literature review and on an oral presentation of that proposal. (24 credit points achieved at completion of NRB730-1 and NRB730-2.)

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

NRB730-2 Research Methods and Strategies

The unit consists of advanced research discussion and proposal writing. This coursework forms an important component in the development of the research training of the student from the aspects of data acquisition, organisation, planning, and implementation. The aim of the unit is to enable the student to develop and improve research abilities and skills, and to focus their efforts towards their research projects. Such skills are in organisation, but also in locating, identifying and integrating the required background data and other information for the particular study. Specific problems are discussed in detail to help develop critical thinking via a problem solving approach to research issues. Assessment is based on a written research proposal, which includes a comprehensive literature review and on an oral presentation of that proposal. (24 credit points achieved at completion of NRB730-1 and NRB730-2.)

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

NRB735 Advanced Studies in Resource Sciences

The aim of the unit is to provide an in-depth examination of a global topic, or synthesis of a subject so that the student develops a broad perspective of major issues facing all researchers, regardless of major, in biogeosciences. Important in this unit is the development of an inquiring approach and analytical thought and skills at an advanced level.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: NRN102 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

NRN106 Biosecurity Plant Pests - Invertebrates

Credit points: 12 **Campus:** External

NRN107 Biosecurity Plant Pests - Pathogens

Credit points: 12 **Campus:** External

NRN108 Biosecurity Plant Pests - Weeds

Credit points: 12 **Campus:** External

NRN120 Plant Biosecurity: Detection and Diagnostics

Credit points: 12 **Campus:** External

NRN150 Plant Biosecurity in Practice

Credit points: 12 **Campus:** External

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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. [Designated unit]

Prerequisites: NSB122. NSB122 can be studied in the same teaching period. **Credit points:** 12 **Contact hours:** 1 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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. [Designated unit]

Prerequisites: NSB212 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: NSB118 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: NSB322 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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. [Designated unit]

Prerequisites: NSB222, NSB223, NSB324, and NSB423 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: NSB118 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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. [Designated unit]

Prerequisites: NSB322 **Credit points:** 24 **Contact hours:** Includes 8 weeks off-campus clinical experience **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

NSB412 Clinical Elective

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 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: NSB118 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: NSB324 and NSB423 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: NSB500 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: NSB225 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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. [Designated unit]

Prerequisites: NSB700, NSB705, NSB122, and NSB212

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

NSB720 Challenges in Midwifery Practice

The aim of this unit is to develop an ability to critically evaluate the core knowledge, attitudes and skills required for beginning practice as an endorsed midwife when caring for childbearing women, neonates and their families experiencing complications during pregnancy, birth and/or the puerperium. Midwives have a professional, legal, and ethical responsibility to identify factors that complicate pregnancy, birth and the postnatal period. Midwives need skills and knowledge to recognise and act on changing events, consulting colleagues in a timely manner, working collaboratively to manage complications that arise to put the woman and her newborn at risk of adverse outcomes.

Prerequisites: NSB700, NSB705 **Credit points:** 12

Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

NSB725 Midwifery Practice 2

The aim of this clinical unit is to enable you to develop knowledge and skills necessary for the planning and delivery of midwifery care for women and families that require more complex interventions. Off campus settings for this unit may include maternity hospitals, midwifery services, mental health facilities that specialise in postnatal disorders, and community facilities. Midwives have a professional, legal and ethical responsibility to recognise factors that create or intensify complications throughout the childbearing period, and act on their findings. Following on from Midwifery practice 1 this unit continues to develop your skills in providing midwifery care to childbearing women, their newborns and families. In working alongside midwives in various health care facilities you will develop a greater appreciation for the role of the midwife in supporting women experiencing physical and psychological complications of 'high-risk' birthing. [Designated unit]

Prerequisites: NSB710, NSB720, NSB322 **Credit**

points: 12 **Teaching period:** 2011 SEM-2

NSB800 Critical Issues in Neonatal Care

This unit provides you with a sound basis for midwifery practice in the area of neonatal care, through an understanding of the critical issues and factors that influence neonatal health and family wellbeing.

Prerequisites: NSB720 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

NSB805 Australian Indigenous and Global Perspectives in Midwifery Practice

This unit contextualises Australian midwifery practice within a global perspective of midwifery practice and maternity service delivery. Global trends in models of midwifery care and national and international forces that influence these trends is examined.

Prerequisites: NSB700 **Credit points:** 12 **Campus:**

Kelvin Grove **Teaching period:** 2011 SEM-2

NSB810 Clinical Project in Midwifery Practice

This unit tests theoretical understandings of the links between current theory, quality improvement, and the developing evidence for midwifery practice. It focuses on the design and implementation of a clinical midwifery project that reflects students' clinical practice and development.

Prerequisites: NSB224, NSB500 **Corequisites:** NSB820
Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

NSB820 Integrated Practicum A

This clinical unit offers students the opportunity to further experience the diversity of practice while providing nursing and/or midwifery care. 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. Advanced clinical concepts that build on the basic skills developed earlier in the program will be addressed. [Designated unit]

Prerequisites: NSB322 and NSB710 and NSB720 and NSB725 **Corequisites:** NSB810 **Credit points:** 24
Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

NSB825 Integrated Practicum B

This is the final unit in the series of clinical units that provide students with the opportunity to consolidate the knowledge, skills and attributes required for safe, competent practice as both a beginning level registered nurse as well as a beginning level endorsed midwife. This unit builds on previous clinical units and draws upon concepts, principles and theories that have been developed through your studies in nursing, midwifery, and related sciences. Particular emphasis is placed on the coordination of care for a group of clients, critical thinking and reflection on practice, and confidence, efficiency and effectiveness in the implementation of nursing and midwifery care. [Designated unit]

Prerequisites: NSB820 **Credit points:** 24 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** External **Teaching period:** 2011 SEM-1

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.

Prerequisites: NSN311, NSN321 **Credit points:** 12
Campus: External **Teaching period:** 2011 SEM-2

NSN331 Clinical Studies in Midwifery A

This unit enables students to demonstrate knowledge of issues that impact on the current and future role of the midwife within Australian and overseas contexts; develop a personal Clinical Portfolio; demonstrate clinical problem-solving and developing practice skills, in caring for women and their families throughout pregnancy, birth, and the puerperium; demonstrate application of formal and informal educational approaches that promote women's and family health; value the creation of a supportive environment, applying principles of cultural safety that promotes birthing for women and their families; discuss the factors that impact on the relationship between women and midwives during the childbearing process; reflect on your midwifery practice and identify opportunities for further personal and/or professional development. [Designated unit]

Prerequisites: NSN321 and NSN322 (both can be enrolled in the same teaching period) **Credit points:** 24
Campus: External **Teaching period:** 2011 SEM-1

NSN332 Clinical Studies in Midwifery B

This unit continues on from NSB331. It provides the additional opportunities for you to develop the clinical knowledge and skills in the areas of birthing women and the neonate requiring admission to special care nursery. The focus in this unit is consolidation of evidence based midwifery practice in the area of uncomplicated pregnancy and birth, and the development of evidence based midwifery practice in areas of complicated 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. Current issues and controversies will be explored. [Designated unit]

Prerequisites: (NSN321 and NSN331) and NSN322 (can be enrolled in the same teaching period) **Credit points:** 24 **Campus:** External **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1

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 and External **Teaching period:** 2011 SEM-1

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 and External **Teaching period:** 2011 SEM-1

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 and External **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove and External
Teaching period: 2011 SEM-1 and 2011 SEM-2

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 and External
Teaching period: 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove and External
Teaching period: 2011 SEM-2

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.

Credit points: 24 **Campus:** Kelvin Grove and External
Teaching period: 2011 SEM-1 and 2011 SEM-2

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
Teaching period: 2011 SEM-1 and 2011 SEM-2

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
Teaching period: 2011 SEM-1

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
Teaching period: 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Prerequisites: NSN701, NSN721, NSN722 **Credit points:** 12 **Contact hours:** Negotiable **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Prerequisites: NSN701 **Credit points:** 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

NSN727 Emergency Nursing Practice in Unique Client Population

This unit enables students to critically analyse the advanced concepts that underpin specialist nursing practice in emergency care to unique client populations; demonstrate clinical judgement through the application of theoretical concepts to health problems experienced by unique client populations requiring emergency care; initiate plans of care to address frequently experienced problems encountered by unique client populations requiring emergency care; demonstrate critical reflection skills in applying theoretical concepts to your own practice.

Credit points: 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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 and External **Teaching period:** 2011 SEM-2

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.

Credit points: 24 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 24 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Assumed knowledge: Completion of all required coursework is assumed knowledge **Credit points:** 48
Campus: Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: LSB250 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: LSB250 and LSB255 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

OPB353 Ophthalmic Optics 3

Prerequisites: MAB141 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: OPB350, OPB351 and OPB352
Corequisites: OPB450, OPB452 **Credit points:** 12
Contact hours: 5 per week **Campus:** Kelvin Grove
Teaching period: 2011 SEM-2

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.

Prerequisites: OPB351 and OPB352 **Corequisites:** OPB451 **Credit points:** 12 **Contact hours:** 5 per week
Campus: Kelvin Grove **Teaching period:** 2011 SEM-2

OPB453 Ophthalmic Optics 4

Prerequisites: OPB351 and OPB353 **Credit points:** 12
Campus: Kelvin Grove **Teaching period:** 2011 SEM-2

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. [Designated unit]

Prerequisites: OPB451, OPB452, and LSB475 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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. [Designated unit]

Prerequisites: OPB450, OPB451, and OPB452 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SUM-1

OPB556 Assessment of Vision 5

This unit addresses the theory and practice of a number of clinical procedures which are used in eye examination: visual acuity measurement, external and internal examination of the eyes, subjective refraction, and tonometry. Students are also introduced to communication with patients, and the communication principles and skills in taking a case history. [Designated unit]

Prerequisites: OPB451, OPB452, and OPB453 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

OPB557 Binocular Vision

This unit covers the different types of refractive errors and what to expect in different age groups, and the types of binocular vision and accommodation anomalies frequently found in the population. A suite of procedures to investigate binocular and accommodation anomalies is covered.

Prerequisites: OPB451, OPB452 **Corequisites:** OPB556
Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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. [Designated unit]

Prerequisites: OPB550, OPB556, and LSB384 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

OPB654 Ocular Pharmacology

This unit provides students with the appropriate knowledge of pharmaceutical agents used to examine the eye and to treat eye diseases. [Designated unit]

Prerequisites: OPB550 and LSB384 **Corequisites:** OPB650 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

OPB656 Assessment of Vision 6

This unit introduces the student to the theory and practice of core clinical techniques of vision assessment.

The integration of these core clinical techniques with the basic techniques learned previously gives students a thorough knowledge of all aspects of routine patient management. [Designated unit]

Prerequisites: OPB556 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: OPB653 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: OPB653 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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. [Designated unit]

Prerequisites: OPB650, OPB651, and OPB653 **Credit points:** 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SUM-1

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. [Designated unit]

Prerequisites: OPB650, OPB651, and OPB653 **Credit points:** 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SUM-1

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.

Prerequisites: OPB750 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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

Prerequisites: OPB751 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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. [Designated unit]

Prerequisites: OPB751, OPB752, and OPB753 **Credit points:** 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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. [Designated unit]

Prerequisites: OPB751, OPB752, and OPB753 **Credit points:** 12 **Contact hours:** 8 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: OPP001 **Credit points:** 24 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Equivalents: PYB074 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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 flare 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 **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 40 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PCB150 Physics 1H

Professionals in the applied sciences require an understanding of the processes of making and recording measurements and an understanding of the physical principles that govern the behaviour of both the physical parameters being measured and the instrument being used to make the measurement. The aim of this unit is to introduce you to the processes of making measurements and estimating, processing and interpreting the uncertainties involved with these measurements. To enable you to understand the physical parameters being measured and also the limits of the measuring instrument; the physics of mechanics, heat, sound and light will be introduced and explained.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PCB172 Physics for Surveyors

This unit includes the following: measurement and uncertainty kinematics (vector and scalar quantities, equations of motion); dynamics (friction, centripetal force, 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,); optical instruments (reflection, refraction, total internal reflection, spherical mirrors, thin lenses, transits, theodolites, corner cubes, cameras); electric and magnetic fields; electrical circuits (electronic components).

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: Senior Maths B and Senior Physics are assumed knowledge. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PCB276 General Radiography 1

A full and detailed knowledge of positioning techniques for skeletal radiography is essential to the education of medical imaging technologists. This unit is designed to provide students knowledge of skeletal radiography, and imaging practices.

Prerequisites: LSB145, PCB178, LSB245 and PCB277. LSB245 and PCB277 can be enrolled in the same teaching period. **Assumed knowledge:** Students should enrol in LSB245 and PCB277 in the same semester if not already completed. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: PCB007, PCB178, and PCB276. PCB276 can be enrolled in the same teaching period. **Assumed knowledge:** Students should enrol in PCB276 in the same semester if not already completed. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PCB286 Treatment Planning 1

This unit is an introduction to the techniques of radiotherapy treatment planning including patient data acquisition and radiation dosimetry.

Prerequisites: PCB178 and LSB145 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PCB287 Radiation Therapy 1

This unit introduces the basic techniques of radiotherapy treatment and equipment. Practical sessions are completed in clinical departments.

Prerequisites: PCB007 and PCB178 and LSB145 and LSB245. LSB245 can be studied in same teaching period. **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.)

Prerequisites: PCB178 **Credit points:** 6 **Contact hours:** 2 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PCB375-2 Radiographic Equipment

To extend the description, initiated in PCB272 Radiation Physics and PCB375-1 Radiographic Equipment, of x-ray generators and ancillary equipment and to introduce specialised x-ray equipment, digital imaging, image quality and quality control. The aims of the unit are to develop an understanding of how different types of x-ray imaging equipment, particularly digital imaging devices, work and to develop an understanding of how to assess the quality of the images produced by this equipment, and assess the quality of the equipment. (12 credit points achieved at completion of PCB375-1 and PCB375-2.)

Prerequisites: PCB375-1 **Credit points:** 6 **Contact hours:** 2 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: PCB276 and PCB277 and LSB245 **Corequisites:** PCB379 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PCB379 Clinical Radiography 1

This unit offers clinical experiences in radiographic examinations introduced in PCB276 and PCB377. Experience is obtained in approved clinical departments.

Prerequisites: LSB245 and PCB277 and PCB276 **Corequisites:** PCB377 **Credit points:** 6 **Contact hours:** 160 over 4 weeks **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PCB389 Clinical Radiotherapy 1

The development and demonstration of clinical skills promotes integration of theoretical understanding and practical skills. The student will gain skills and knowledge which will enable them to carry out the basic skills of a radiation therapist under supervision.

Prerequisites: PCB286 and PCB287 and LSB245 **Credit points:** 6 **Contact hours:** 200 over 5 weeks **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PCB396 Treatment Planning 2

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.

Prerequisites: PCB286 and PCB287 and LSB245 and PCB272 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PCB397-1 Radiation Therapy 2

Oncology and technique are an essential component of radiation therapy skills and application of fundamental principles to routine treatment practice is essential. Students will need to gain practical skills in order to become a competent radiation therapist and this module provides them with the underpinning theory and practice. Students at this level are expected to engage with the literature base in order to support their work and they will have specific support for this via the presentation.

Prerequisites: PCB286 and PCB287 and LSB246 **Credit points:** 6 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PCB397-2 Radiation Therapy 2

This unit includes the principles and applications of megavoltage therapy including techniques for specific sites. Practical exercises are performed in clinical departments.

Prerequisites: PCB397-1 **Credit points:** 6 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PCB476 Special Procedures

This unit includes specialised techniques of radiography including the skull, macroradiography, obstetrics, gynaecology, CNS, paediatrics and geriatrics.

Prerequisites: PCB377, PCB379 and PCB479 (PCB479 can be enrolled in the same teaching period) **Credit points:** 12 **Contact hours:** 4 per week **Campus:**

Gardens Point **Teaching period:** 2011 SEM-2

PCB477 Complementary Imaging Techniques

Medical imaging technologists are required to utilise a number of imaging modalities to assist in the diagnosis of disease. Proper utilisation of equipment requires an understanding of the underlying physical principles. Knowledge of the clinical applications enables an appreciation of the overall medical imaging strategies available in a patient's clinical management. The aim of this unit is to provide an appreciation of the physical principles and the complementary nature of the clinical applications of ultrasound and nuclear medicine.

Prerequisites: PCB178 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PCB479 Clinical Radiography 2

In the continued development of positioning skills, it is essential that students have the opportunity to assist and perform radiographic examinations in the clinical situation. This period of clinical experience will enable you to gain further experience in general routine radiographic examinations and bedside radiography as well as an introduction to operating theatre and accident and emergency procedures. The unit will also provide an opportunity for you to become familiar with the patient care activities undertaken by radiographers.

Prerequisites: PCB379 and PCB476 (PCB476 can be enrolled in the same teaching period) **Credit points:** 6 **Contact hours:** 200 over 5 weeks **Campus:** Gardens Point **Teaching period:** 2011 SEM-2 and 2011 SUM

PCB489 Clinical Radiotherapy 2

This unit includes clinical experiences in approved departments in techniques of radiation therapy.

Prerequisites: LSB345, PCB389 and PCB396 **Credit points:** 6 **Contact hours:** 200 over 5 weeks **Campus:** Gardens Point **Teaching period:** 2011 SEM-2 and 2011 SUM

PCB495 Treatment Planning 3

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.

Prerequisites: LSB345 and PCB396 and PCB397-2. PCB397-2 may be studied in the same teaching period **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PCB496 Radiotherapy Equipment

It is important for you as a future radiation therapist to understand the principles of operation of radiotherapy equipment and the basic physics of the interaction of radiation with tissue. The aim of this unit is to teach you about the physics underlying the operation of linear accelerators and associated topics such as the interaction of radiation with tissue and the measurement of radiation dose.

Prerequisites: PCB178 **Credit points:** 12 **Contact**

hours: 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: PCB476 and PCB479 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.)

Prerequisites: PCB479 **Credit points:** 6 **Contact hours:** 240 over 6 weeks **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.)

Prerequisites: PCB580-1 **Credit points:** 6 **Contact hours:** 200 over 5 weeks **Campus:** Gardens Point **Teaching period:** 2011 SEM-2 and 2011 SUM

PCB581-1 Clinical Radiography 3

This unit offers an opportunity to observe and assist in the performance of advanced imaging techniques and procedures is important to the education of medical imaging students. The periods of clinical experience in this full year unit will enable you to gain experience in advanced imaging procedures and modalities in addition to consolidating skills in general radiography and minor procedures.

Prerequisites: PCB479 **Credit points:** 12 **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

PCB581-2 Clinical Radiography 3

This unit offers an opportunity to observe and assist in the performance of advanced imaging techniques and procedures is important to the education of medical imaging students. The periods of clinical experience in this full year unit will enable you to gain experience in advanced imaging procedures and modalities in addition to consolidating skills in general radiography and minor procedures.

Prerequisites: PCB581-1 **Credit points:** 12 **Teaching period:** 2011 SEM-2 and 2011 SUM

PCB587 Radiation Therapy 3

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.

Prerequisites: PCB495, PCB497, PCB489 and LSB445 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.)

Prerequisites: PCB489 **Credit points:** 6 **Contact hours:** 200 over 5 weeks **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.)

Prerequisites: (PCB590-1 or PCB591-1) and PCB489 and PCB587 **Credit points:** 6 **Contact hours:** 200 over 5 weeks **Campus:** Gardens Point **Teaching period:** 2011 SEM-2 and 2011 SUM

PCB591-1 Clinical Radiotherapy 3

Prerequisites: PCB489 **Credit points:** 12 **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

PCB591-2 Clinical Radiotherapy 3

Prerequisites: (PCB590-1 or PCB591-1) and PCB587 and PCB595 **Credit points:** 12 **Teaching period:** 2011 SEM-2 and 2011 SUM

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.

Prerequisites: PCB375-2 or PCB496 or PQB250 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PCB595 Treatment Planning 4

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.

Prerequisites: PCB397-2 and PCB489 and LSB445 and PCB495 **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PCB600 Advanced Radiation Practice

The specialised and technically specific nature of each student's previous program in medical radiations requires a customised approach. This unit is necessary to provide an appropriate focussed theoretical and clinical support program to those students who have a prior qualification in the profession.

Other requisites: Prior qualification in medical research

science is required to enrol **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2 and 2011 SUM

PCB605 Biomedical Instrumentation

Instrumentation plays an increasingly important role in the life of a scientist. This unit is designed to give you 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. This unit aims to introduce you to the role of instrumentation in modern scientific work. It will provide you with experience in the use of standard electronic laboratory instrumentation and with an opportunity to develop skills in constructing and testing circuits. This unit will also show you how to access and interpret information on various electronic components and enhance your group interaction skills.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PCB667 Advanced Radiographic Technique 2

A knowledge of the principles of operation and application of advanced techniques and their imaging appearances is a necessary requirement of medical imaging students. This unit will expand and extend the knowledge acquired in previous units to advanced imaging investigations and practical imaging sessions will allow maintenance of general radiography skills.

Prerequisites: PCB567 and PCB581-1 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: PCB476 or PCB397-2 **Credit points:** 6 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PCB672-2 Project

The purpose of this unit is to enable you to carry out an independent enquiry within a professionally related area. An introduction to the research process is important preparation for future professional studies. This full year unit will assist you to develop skills in research and reporting writing as independent learners. During semester two you will prepare a report and poster on a chosen topic. (12 credit points achieved at completion of PCB672-1 and PCB672-2.)

Prerequisites: PCB672-1 **Credit points:** 6 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PCB675 Radiation Safety and Biology

Medical radiations procedures are the principal cause of non background radiation exposure. It is therefore important that you understand potential hazards of exposure to ionising radiation and techniques of protection. An understanding of relevant codes of practice is also required. The aim of this unit is to provide you with a basic

understanding of aspects of radiation biology and radiation safety relevant to your future employment as a Medical radiation technologist.

Prerequisites: PCB272 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: LSB345 and LSB445 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-1

PCB682 Magnetic Resonance Imaging

Magnetic Resonance Imaging is a specialised modality within the field of medical radiations. The applications of magnetic resonance imaging have a wide impact on differential diagnoses and subsequent radiographic examinations. This unit will provide you with an introduction to the operation and clinical applications of magnetic resonance imaging.

Prerequisites: LSB345 and LSB445 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2

PCB687 Specialised Radiotherapy Technique

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.

Prerequisites: PCB587 and PCB595 **Credit points:** 12
Contact hours: 6 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2

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.

Prerequisites: PCB595 and PCB587 **Credit points:** 12
Contact hours: 4 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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).

Corequisites: PCN497-1 **Credit points:** 12 **Contact hours:** 3 per week (internet) **Campus:** Internet and Gardens Point **Teaching period:** 2011 SEM-1

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.

Corequisites: PCN162, PCN197-1 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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.

Prerequisites: PCN187 and PCN397-1 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PCN187 Specialist Studies

This unit allows students to explore specialist techniques and applications through self-directed study and research.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.)

Corequisites: PCN159 and PCN162 **Credit points:** 6 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PCN197-2 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.)

Prerequisites: PCN197-1 **Credit points:** 6 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PCN211 Physics of Medical Imaging

Most medical imaging modalities now produce images in digital form. These digital images frequently undergo processing such as enhancement, registration, fusion and 3D reconstruction. Digital image processing and 3D image visualisation techniques are also extensively used in nuclear medicine and radiotherapy planning. Consequently, computing, numerical methods and digital image processing are necessary skills of a practising medical physicist. This unit is designed to make the student familiar with image visualisation methods and imaging in nuclear medicine, and to develop skills in digital image processing.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PCN221 Best Practices in Lighting

Electrical energy usage and subsequent energy analysis techniques, advantages and disadvantages of choosing low energy lamps and luminaries, 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 **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 **Campus:** Gardens Point **Teaching**

period: 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: PCN155 **Corequisites:** PCN497-2

Credit points: 12 **Contact hours:** 3 per week (internet)

Campus: Internet and Gardens Point **Teaching period:** 2011 SEM-2

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.)

Prerequisites: PCN159, PCN197-1, PCN197-2 and PCN356 **Corequisites:** PCN355 **Antirequisites:** PCN357

Credit points: 6 **Campus:** Gardens Point

Teaching period: 2011 SEM-1

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.)

Prerequisites: PCN159, PCN197-1, PCN197-2 and PCN356 **Credit points:** 6 **Campus:** Gardens Point

Teaching period: 2011 SEM-2

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.

Credit points: 24 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: PCN159 and PCN162 **Corequisites:** PCN297-1 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: PCN159 and PCN162 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: PCN159, PCN162, PCN356 **Corequisites:** PCN297-1 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: PCN259 and PCN497-2 **Corequisites:** PCN597-1 **Credit points:** 12 **Contact hours:** 3 per week (internet) **Campus:** Internet and Gardens Point **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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.)

Credit points: 6 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PCN459 Advanced Cardiac Ultrasound

This unit extends and builds on the content of units PCN259 and PCN359 by introducing more advanced applications of echocardiography. In particular, this unit covers the role of echocardiography in the assessment of complex cardiac diseases such as diastolic dysfunction, pericardial disease, cardiac masses, systemic diseases with cardiac involvement and congenital heart defects. An understanding of other diagnostic imaging methods of the heart is important complementary nature of diagnostic testing. The aim of the unit is to provide students with a detailed understanding of advanced applications of echocardiographic techniques, a sound knowledge of new and evolving echocardiographic techniques and an appreciation of the role of other diagnostic imaging tests in cardiac assessment.

Prerequisites: PCN359 and PCN497-2 **Corequisites:** PCN597-2 **Credit points:** 12 **Contact hours:** 3 per week (internet) **Campus:** Internet and Gardens Point **Teaching period:** 2011 SEM-2

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.) [Designated unit]

Corequisites: PCN155 **Credit points:** 6 **Contact hours:** 3 per week (internet) **Campus:** Internet and Gardens Point **Teaching period:** 2011 SEM-1

PCN497-2 Clinical Attachment 4

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 PCN497-1. 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. The aim of the unit is to provide students with the opportunity to develop basic, practical echocardiographic skills in an approved clinical

environment, under the direction of a suitably qualified clinical supervisor. (12 credit points achieved at completion of PCN497-1 and PCN497-2.) [Designated unit]

Prerequisites: PCN155 and PCN497-1 **Corequisites:** PCN259 **Credit points:** 6 **Contact hours:** 3 per week (internet) **Campus:** Internet and Gardens Point **Teaching period:** 2011 SEM-2

PCN520 Project (Full-time)

New and exciting technologies are playing an increasingly important role in everyday life. Modern healthcare is a good example of a field where technology has had a huge impact in the way patients are diagnosed and treated. Graduates are increasingly involved in the research and development of new technologies and also in its translation and implementation into clinical use. This unit aims to develop further the students skills for carrying out such work in the form of a research project. The project may be carried out in collaboration with a hospital or industry. This unit aims to introduce and improve the students skills in carrying out research work in the form of a short research project.

Credit points: 48 **Contact hours:** 18 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

PCN540-1 Project (Part-time)

New and exciting technologies are playing an increasingly important role in everyday life. Modern healthcare is a good example of a field where technology has had a huge impact in the way patients are diagnosed and treated. Graduates are increasingly involved in the research and development of new technologies and also in its translation and implementation into clinical use. This unit aims to develop further the student's skills for carrying out such work in the form of a research project. The project may be carried out in collaboration with hospitals or industry. This unit aims to introduce and improve the students skills in carrying out research work in the form of a short research project. (48 credit points achieved at completion of PCN540-1 and PCN540-2.)

Credit points: 24 **Contact hours:** 9 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PCN540-2 Project (Part-time)

New and exciting technologies are playing an increasingly important role in everyday life. Modern healthcare is a good example of a field where technology has had a huge impact in the way patients are diagnosed and treated. Graduates are increasingly involved in the research and development of new technologies and also in its translation and implementation into clinical use. This unit aims to develop further the student's skills for carrying out such work in the form of a research project. The project may be carried out in collaboration with hospitals or industry. This unit aims to introduce and improve the students skills in carrying out research work in the form of a short research project. (48 credit points achieved at completion of PCN540-1 and PCN540-2.)

Credit points: 24 **Contact hours:** 9 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.) [Designated unit]

Prerequisites: PCN259 and PCN497-2 **Corequisites:** PCN359 **Credit points:** 6 **Contact hours:** 3 per week (internet) **Campus:** Internet and Gardens Point **Teaching period:** 2011 SEM-1

PCN597-2 Clinical Attachment 5

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. The aim of the unit is to provide students with the opportunity to further develop and expand basic, practical echocardiographic skills and to gain experience in advanced techniques in an approved clinical environment, under the direction of a suitably qualified clinical supervisor. [Designated unit]

Prerequisites: PCN359 and PCN497-2 and PCN597-1 **Corequisites:** PCN459 **Credit points:** 6 **Contact hours:** 3 per week (internet) **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.)

Prerequisites: PCN162, PCN218, PCN459 and PCN597-2 **Other requisites:** Course Coordinator approval is required to enrol **Credit points:** 24 **Contact hours:** 9 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.)

Prerequisites: PCN640-1 **Credit points:** 24 **Contact hours:** 9 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PCN701 Topics in Advanced Chemistry 1

The complexity of the chemical systems studied in a research program and the sophistication of the instrumentation used demand that deeper theoretical understanding than that acquired in an undergraduate program. The aims of this unit are to teach and extend knowledge and comprehension of Advanced Chemical Techniques and assess application of knowledge; and to provide the candidate 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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.)

Credit points: 6 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PCN710 Chemical Instrumentation

For those projects in which instrumental design forms a major part of the research activity a knowledge of the mode of operation of existing chemical instrumentation provides

an important basis for further progress. Students will undertake study in chemical instrumentation via both practical and theoretical means.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PCN718 Advanced Topics in Medical Radiation Sciences 1

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PCN719 Advanced Topics in Medical Radiation Sciences 2

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

PCN730 Advanced Physical Methods in Chemistry

Research projects in chemistry are frequently dependent on instrumental and physical procedures both for monitoring preparative procedures and for studying fundamental chemical phenomena. The aim of this unit is to prepare students to undertake practical work in instrumental and physical procedures.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PCN740 Laboratory Techniques for Preparative Chemistry

Before an advanced practical project, particularly one involving organic synthesis, is undertaken it is necessary to develop specialised laboratory skills in preparative chemistry so that the candidate can have the confidence to handle and purify the small quantities of often precious material which he will encounter during the project. The aim of work in this unit is to cultivate and deepen understanding of systems and processes related to organic synthesis, to

develop and enhance laboratory skills and techniques related to handling and purifying precious materials. Development of these skillsets is designed to lead to competence in designing and undertaking advanced practical work.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PCN801 Topics in Advanced Chemistry 2

The complexity of the chemical systems studied in a research program and the sophistication of the instrumentation used demand that deeper theoretical understanding than that acquired in an undergraduate program. The aims of this unit are to extend and deepen the theoretical and practical background required for undertaking a research program and to provide the candidate 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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

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.

Credit points: 12 **Campus:** City University of Hong Kong

PCZ225 Creative Lighting Design

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.

Credit points: 24 **Campus:** City University of Hong Kong
Teaching period: 2011 SEM-1

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.

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.

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.

Assumed knowledge: Senior Maths B is assumed knowledge. **Credit points:** 12 **Contact hours:** 4.5 hours per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: Senior Maths B is assumed knowledge. **Credit points:** 12 **Contact hours:** 4.5 hours per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PQB312 Analytical Chemistry For Scientists and Technologists

This unit addresses three vital theoretical and practical elements of analytical chemistry: quality assurance in a chemical laboratory; principles of chemical sampling; common instrumental techniques. It is a generic unit designed to address the needs and skills of students enrolled in the Chemistry major as well as other majors such as Forensic Science and double degrees in with the Chemistry major. The unit builds on the analytical chemistry concepts introduced in SCB131 Experimental Chemistry. The aim of this unit is to provide students with principles of analytical chemistry, including some common instrumental techniques, which are firmly linked to the theory and practice of the discipline in a modern, working laboratory.

Prerequisites: SCB131 **Equivalents:** PCB414 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: SCB131 **Equivalents:** PCB314 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: SCB121 and SCB131 **Antirequisites:** PCB334, PCB354 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: PQB250 or PCB250, and MAB111

Corequisites: MAB311 **Assumed knowledge:** Students should enrol in MAB311 in the same semester if not already completed **Equivalents:** PCB562 **Credit points:** 12

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

Teaching period: 2011 SEM-1

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.

Prerequisites: MAB121 and MAB122 **Equivalents:** PCB563 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PQB401 Reaction Kinetics, Thermodynamics and Mechanisms

Physical Chemistry is a discipline of chemistry in which the influences of physical factors on chemical reactions are described and quantified. The fundamental factors that govern the extents (equilibria) and rates (kinetics) of chemical reactions are usually the realm of Physical Chemistry. This unit illustrates this basic science with applications of these principles to actual reaction types that are expounded as case studies of the principles underlying the Chemistry. In addition, all students of chemistry need an understanding of the concepts of acids and bases in their widest sense. This unit provides the tools that chemists use to understand how and why molecules react. The aim of this unit is to demonstrate how reactions and their equilibria and rates can be described and quantified, and to understand by studying key examples, the fundamental factors that govern the outcomes of chemical reactions.

Prerequisites: PQB331 **Antirequisites:** PCB354, PCB405 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: SCB111 and (SCB121 or SCB113)
Equivalents: PCB445 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PQB423 Process Principles

This unit will provide students with a knowledge of qualitative and quantitative aspects of Process Principles. These include an overview of chemical reactions involving important processes and the skills to undertake mass and energy balances around a system whether that system be an individual industrial process, a combination of such processes or a natural phenomenon. This knowledge will also enable students to participate in the identification, quantification and solution of problems arising during the day to day operation of industrial processes.

Prerequisites: SCB131 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: PQB331 **Equivalents:** PCB444 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: PQB250 or PCB250, and MAB311
Equivalents: PCB362 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: PQB250 or PCB250 **Antirequisites:** PCB361, PCB460 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: PQB250 or PCB250 or PCB150
Equivalents: PCB469 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PQB502 Advanced Physical Chemistry

A Chemistry graduate in today's highly technological world requires knowledge of the principles that govern the behaviour of solids, liquids, gases, and mixtures thereof. This leads to an appreciation of how fundamental physical chemical principles determine the bulk properties of materials and how the chemical nature of interfaces govern chemical reactions in many important applications. This unit is placed appropriately in fifth semester, following the second year units that provide the basic principles, language and tools of chemistry.

Prerequisites: PQB401 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PQB513 Instrumental Analysis

TBA

Prerequisites: PQB312 or PCB414 **Equivalents:** PCB514 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PQB525 Unit Operations

Having gained an understanding of mass and energy balances in PQB423 you will be able to appreciate the principles underlying the design and operation of the many individual processes, or unit operations, that together make up a large part of any full-scale industrial process. It is vital that Chemists involved in Chemical Technology understand how unit operations work so that they can interact effectively with unit operators and process engineers. An additional role of this unit is to build a knowledge base for the subsequent development of generic skills in Chemical Technology through a problem-solving exercise involving an authentic industrial process in PQB623.

Prerequisites: PQB423 **Equivalents:** PCB524 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PQB531 Organic Mechanisms and Synthesis

This unit deals with organic reaction mechanisms and their application in organic synthesis. Topics in mechanisms include: structural and electronic effects that govern

reactivity of organic molecules; major classes of mechanisms including elimination reactions, nucleophilic additions to carbonyl compounds, nucleophilic acyl substitution, electrophilic addition to alkenes and electrophilic substitution of aromatics. Topics in synthesis include the principles of organic synthesis design using the retrosynthetic approach; carbon-carbon bond formation to build the major functional group classes; and the use of protecting and activating groups.

Prerequisites: PQB401, PQB442 **Antirequisites:** PCB554 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PQB550 Quantum and Condensed Matter Physics

TBA

Prerequisites: PQB350 and (MAB134 or MAB311) **Equivalents:** PCB561 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PQB551 Physical Analytical Techniques

Modern methods of physical analysis are an important tool for the physical scientist. This unit provides an introduction to the physical principles and applications in three fields of analysis: X-ray diffraction, analytical electron microscopy and physical spectroscopy. Each of these topics encompasses a variety of measurement techniques. The methodologies presented have wide application in a number of areas of science and technology including nanotechnology and materials research and development. Lectures are supplemented by laboratory practicals to enable students to gain familiarity and experience with the instrumentation.

Prerequisites: (PQB350 or PCB462) and (MAB112 or MAB122) **Equivalents:** PCB562 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PQB584 Forensic Physical Evidence

This unit provides a theoretical and practical framework to introduce you to the physical evidence processing techniques of questioned documents and computer forensics and the forensic examination techniques of optical and electron microscopy. The unit will also discuss the physical and chemical structure of some common types of physical evidence (fibres, fabrics & severance, soils and physical fits) and the analytical methods used for their analysis. It is placed appropriately in the fifth semester of the course to coincide with and complement the Instrumental Analysis unit PQB513 which the core knowledge for the instrumental techniques used within the forensic analysis of various types of physical evidence.

Prerequisites: PQB312, SCB384 **Antirequisites:** PCB584 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

PQB623 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.

Prerequisites: PQB525 or PCB524 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point

Teaching period: 2011 SEM-2

PQB631 Advanced Inorganic 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.

Prerequisites: PQB331 **Equivalents:** PCB634 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PQB642 Chemical Research

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.

Prerequisites: 4 Advanced Level Chemistry units **Assumed knowledge:** Completion of any advanced Chemistry units is assumed knowledge **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PQB650 Advanced Theoretical Physics

Advanced electromagnetism, magnetism of materials and magnetic resonance, and advanced statistical mechanics are the fundamental topics for any advanced-level Physics degree. They provide fundamental background knowledge and problem solving skills that are essential in any area of modern theoretical, experimental, and applied physics. This unit also provides you with an essential platform for further studies and research in physics and applied physics in Honours and at the post-graduate level. The aim of this unit is to provide you with an advanced understanding of fundamental physical phenomena related to electromagnetism and wave propagation, quantum and statistical basis of nuclear magnetism and magnetic resonance, statistical mechanics, quantum statistics, and general statistical thermodynamics.

Prerequisites: (PQB350 or PCB462) and (PQB550 or PCB561) **Equivalents:** PCB665 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PQB651 Experimental Physics

This unit represents the culmination of the students experiences in undergraduate experimental work. The unit is offered in the final year of study to take advantage of and integrate the skills acquired in previous units. The student is given the opportunity to select three experiments to be undertaken from a series of extended experiments in the areas of physics research undertaken at QUT.

Prerequisites: PQB451 or PCB460 **Equivalents:** PCB661 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PQB660 Astrophysics 2

Theoretical astrophysics and cosmology are at the forefront in developing comprehensive physical understanding of our world, including natural links between macro and micro processes in the Universe. This third level unit is one of the key units in the astrophysics co-major, that presents an advanced undergraduate course in modern theory of gravitation, space-time concept, cosmology, and their relationship with other areas of contemporary physics. You will be required to use the knowledge and skills developed in first and second level physics and maths units. This unit is the 'cap-stone' of the astrophysics co-major. The main aim of this course is to introduce you to one of the most challenging and exciting topics in modern physics - theory of gravitation and relativistic cosmology.

Prerequisites: PQB250 or PCB250 or PCB150

Equivalents: PCB669 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PQB661 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.

Prerequisites: (PQB251 or PCB260 or EEB340 or ENB242 or ENB343) and (MAB311 or MAB233) **Equivalents:** PCB664 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

PQB684 Forensic Analysis

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.

Prerequisites: PQB513 or PCB514 **Equivalents:** PCB684 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1 and 2011

SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

PUB215 Public Health Practice

In this unit students will gain an understanding of: the structure of the Public Health workforce; the professional frameworks and future career pathways available; the 'Practice Profiles' of graduates specialising in specific fields in Public Health; the ways in which Public Health graduates work collaboratively with other professionals in this field; and the workplace experience including professional roles, ethical responsibilities and practical skills of graduates.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Antirequisites: PUN106 **Credit points:** 12 **Contact hours:** 4 per week (KG and Ext Sem 1; KG Sem 2)

Campus: Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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. [Designated unit]

Prerequisites: LSB282 and PUB280 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2 and 2011 SUM

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.

Prerequisites: PUB180 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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.

Antirequisites: HLN710 **Assumed knowledge:** Successful completion of 96cp is assumed prior knowledge

Credit points: 12 **Contact hours:** 3 per week (Ext PU40 Pub Hlth students only) **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1

PUB332 Sustainable Environments For Health

This unit provides an overview of environmental health and introduces the importance of achieving environments that are able to sustain human health. In particular, the unit covers the practice of environmental health, its scientific foundations, and its integral place in the overarching discipline of public health.

Antirequisites: PUB107 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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. [Designated unit]

Prerequisites: HMB272, and LSB235 and LSB250

Corequisites: pub362 **Credit points:** 12 **Contact hours:** 16 (including clinic work) **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: 24 credit points in Home Economics discipline studies is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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.

Prerequisites: PUB321 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

PUB362 Podiatric Clinical Gait Analysis

Technologies are used according to established procedures in order to assess human gait and collect patient data. The

results are evaluated to ensure that the data meet the accepted standards for clinical decision making purposes. The emphasis is on gait analysis techniques that are particularly applicable in podiatry.

Prerequisites: LSB235 and HMB272 **Corequisites:** PUB339 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: PUB280 and (LSB282 or LSB382) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: PUB280 and PUB390 and LSB282 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: (LSB308 or LQB381) and PUB201

Corequisites: LQB481 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching**

period: 2011 SEM-2

PUB406 Health Promotion Practice

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.

Prerequisites: PUB251 or PUB530 **Credit points:** 12
Contact hours: 3 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

PUB416 Advanced 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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

PUB436 Evidence Based Practice

This unit equips students with the skills to identify, critically analyse and evaluate evidence, and to implement evidence-based practice within their chosen profession.

Credit points: 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Prerequisites: LSB275, LSB451, LSB475 and PUB438
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point

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.

Prerequisites: LSB451 or (LSB250 and LSB475)
Corequisites: LSB584 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

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. [Designated unit]

Prerequisites: PUB339 and LSB384. LSB384 can be studied in the same teaching period. **Credit points:** 12
Contact hours: 15 (includes clinic work) **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: LSB182, LSB282, PUB280 and (LSB382 or LSB111) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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. [Designated unit]

Prerequisites: PUB270, PUB390, and PUB391 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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. This unit is available ONLY in courses where it is listed as a core unit.

Prerequisites: PUB201 (This unit is available ONLY in courses where listed as a core unit) **Credit points:** 12

Contact hours: 5 per week **Campus:** Kelvin Grove

Teaching period: 2011 SEM-1

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:** External **Teaching period:** 2011 SEM-2

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.

Prerequisites: PUB280 **Credit points:** 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: Background knowledge of the health care system is assumed knowledge. **Other requisites:** At least 96cps and background knowledge of the health care system **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: PUB474 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

PUB509 Community and Public Health 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.

Prerequisites: PUB201 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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. [Designated unit]

Prerequisites: PUB437 and PUB438 and (PUB439 or PUB538) **Corequisites:** PUB538 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

PUB530 Health Education and Behaviour Change

This unit gives students the skills to bring about change in health-related behaviours through educational interventions. Topics covered include key health education and behaviour change theories, frameworks, strategies; approaches to bring about change in different contexts; research and design of educational interventions to suit different target populations in different settings, using evidence-based practice; and health literacy as a function of health education.

Antirequisites: PUB329, PUB341 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: PUB439 **Corequisites:** PUB539 and PUB438 **Credit points:** 12 **Contact hours:** 4 per week
Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

PUB538 Rehabilitation Medicine and Physical Therapies

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.

Prerequisites: LSB235 and LSB250 and PUB339 (PUB339 can be enrolled in the same teaching period)
Corequisites: PUB522 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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. [Designated unit]

Prerequisites: (PUB437 and PUB438) or (LSB584 and PUB439) **Corequisites:** PUB537 **Credit points:** 12
Contact hours: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

PUB545 Health Policy, Planning and Advocacy

This unit consolidates knowledge of health policy development and reform and the processes that translate policy into public health practice. Topics covered include translating a health policy into a plan for professional practice; critical examination of advocacy processes and the impact on policies; planning and evaluating the impact of programs; and policy strategies in collaborative teams.

Antirequisites: PUB511 **Credit points:** 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1

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.

Prerequisites: PUB390 and LSB382 **Credit points:** 12
Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: PUB390 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: PUB251 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: PUB356 **Credit points:** 12 **Contact hours:** 4 **Campus:** Kelvin Grove

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.

Prerequisites: PUB326 **Antirequisites:** PUN105
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: PUB251 **Assumed knowledge:** At least two years of study in health area, including PUB326 is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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. [Designated unit]

Prerequisites: PUB470 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SUM

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.

Prerequisites: Completion of 288 credit points PUB645, PUB641 and PUB506 **Assumed knowledge:** Students are expected to have completed all theoretical units in nutrition and dietetics **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 **Teaching period:** 2011 SEM-2

PUB611 Risk Management

Note: This unit is available externally only for Second Semester 2010.

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 **Teaching period:** 2011 SEM-2

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.

Prerequisites: PUB474 and (PUB648 or PUB541) and PUB641. PUB641 can be enrolled in the same teaching period. **Credit points:** 12 **Contact hours:** 6 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: Completion of 192 credit points is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

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.

Prerequisites: PUB522 **Credit points:** 12 **Contact hours:** 3 (including surgical work) **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: PUB537, PUB538, PUB635 and PUB639 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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. [Designated unit]
Prerequisites: PUB539 and PUB635 **Credit points:** 12
Contact hours: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: PUB541 or PUB648 **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.

Prerequisites: PUB343 **Credit points:** 12 **Contact hours:** 3 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** External

PUB645 Introduction To Dietetic Practice

This unit is part of the preparation for professional dietetic practice and develops students' skills in integrating theory with practice. The unit prepares students for three practical placement units in their final year.

[Designated unit]

Prerequisites: PUB641 Completion of 240 credit points including all core units **Assumed knowledge:** Completion of all prior core units in your course is assumed knowledge.

Credit points: 12 **Teaching period:** 2011 SEM-2

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.

Prerequisites: PUB201, LQB488 and LQB388 **Credit**

points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PUB662 Clinical Therapeutics for Podiatrists

This unit builds on prior studies in disease processes, medicine, podiatric medicine, pharmacotherapeutics, pharmacokinetics and pharmacology. Principles of safe and effective pharmacological management of podiatric conditions are discussed. Clinical decision-making is developed within the framework of the quality use of medicines.

Prerequisites: PUB438 and (LSB384 or PUB437) and LSB584 and PUB539. LSB584 can be enrolled in the same teaching period. **Corequisites:** PUB639 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

PUB669 Management of Health Information

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.

Prerequisites: PUB398, PUB490, PUB558 and PUB875
Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove

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. [Designated unit]

Prerequisites: PUB570 and PUB680 **Assumed knowledge:** Completion of all prior coursework is assumed knowledge. **Credit points:** 36 **Campus:** Kelvin Grove
Teaching period: 2011 SEM-2

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.

Prerequisites: PUB570 and PUB670 **Assumed knowledge:** Completion of all prior coursework is assumed knowledge. **Credit points:** 12 **Campus:** Kelvin Grove

PUB720 Nutrition and Dietetic Project

This unit provides an opportunity to identify a relevant nutrition area for further investigation and to undertake a research project or literature review, under the supervision of a qualified dietitian practitioner.

Prerequisites: PUB416 and PUB645 (can be enrolled in the same teaching period) **Credit points:** 24 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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. [Designated unit]

Prerequisites: PUB645, PUB641 and PUB506 **Other requisites:** Completion of 288 credit points including satisfactory completion of PUB645, PUB641 and PUB506 **Credit points:** 24 **Campus:** Kelvin Grove

PUB738 Professional Placement 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. [Designated unit]

Prerequisites: PUB639 and PUB538 and PUB537 **Corequisites:** PUB739 and PUB635 **Credit points:** 12 **Contact hours:** 9 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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. [Designated unit]

Prerequisites: PUB639, PUB635, PUB638, PUB538, PUB537 and PUB738 **Corequisites:** PUB738 **Antirequisites:** PUB740 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

PUB743 Home Economics Curriculum Studies 3

This unit introduces students to the theoretical and practical knowledge and skills required by an effective practitioner in the complex social environment of the home economics classroom. There are opportunities to observe, explore, analyse, implement and reflect on learning and teaching strategies that can be used to enhance the learning for the diversity of students found in any classroom.

Prerequisites: PUB643 **Credit points:** 12 **Teaching period:** 2011 SEM-1

PUB821 Practice in Community Nutrition

This unit provides students with the opportunity, in real world settings, to further develop knowledge, confidence and skills to apply theoretical principles covered in earlier years in the area of community and public health nutrition practice. [Designated unit]

Prerequisites: PUB645 and PUB509 **Antirequisites:**

PUB821-1, PUB821-2, PUB875 **Credit points:** 12 **Campus:** Kelvin Grove

PUB822 Practice in Foodservice Management

This unit provides students with real problems in foodservice settings to develop skills including the planning and organising of foodservices, the application of scientific principles within foodservice management systems, and menu assessment. [Designated unit]

Prerequisites: PUB645 and PUB506 **Other requisites:** Completion of 288 credit points including satisfactory completion of PUB645 and PUB506 **Credit points:** 12 **Campus:** Kelvin Grove

PUB838 Professional Placement 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.

Prerequisites: PUB738, PUB739 and PUB839. PUB839 may be taken concurrently. **Credit points:** 12 **Contact hours:** 9 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: PUB738, PUB739 and PUB838. PUB838 may be taken concurrently. **Antirequisites:** PUB840 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

PUB862 Transition to the Clinical Profession

Health professionals work within financial, legal, ethical and professional frameworks. Practice in public and private settings requires knowledge of accounting, marketing, human resources, project management and professionalism in the health context. This unit prepares students for the transition to practice by exploring these concepts and their relationship to employment/practice.

Prerequisites: PUB739 or PUB740 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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. [Designated unit]

Prerequisites: PUB514 **Antirequisites:** PUB645, PUB821 **Assumed knowledge:** Completion of 240 credit points of study is assumed knowledge. **Other requisites:** Students should have completed 240cp **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 other units. 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 **Teaching period:** 2011 SEM-1

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.

Prerequisites: PUN001 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1

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.

Prerequisites: PUB326 or HLN710 **Credit points:** 12 **Contact hours:** 3 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Antirequisites: PUP010, PUN251 **Credit points:** 12 **Contact hours:** 3 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1

PUN210 Fundamentals of Health Management

This unit will provides students as future health managers with an understanding of the principles of management in health, including financial management in health; human resource management principles in health including workforce design, recruitment, conflict management, individual and team performance management, and occupational health and safety; information management as it applies to health management; and listening, interpersonal communication, advocacy, and negotiation and mediation skills.

Credit points: 12 **Teaching period:** 2011 SEM-2

PUN211 Health Care Finance and Economics

The unit develops analytical skills and understanding of micro- and macro- economics as they apply to health and of accounting and financial management decision-making principles and processes. It offers an overview of the financial structure of the Australian Health Care system and the context in which it operates. It also offers an understanding of the basic concepts and tools of economic analysis and introduces concepts that are essential in understanding financial resource management, health and health care.

Credit points: 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1

PUN212 Understanding Health Information

This unit provides an introduction to the field of health information and its uses and applications in the health industry. It provides a context for the study of contemporary health information and data management practice. The use of information as a strategic, organisational and management resource is discussed, and a broad appreciation of health information and data management procedures and philosophy is provided. Demands on the users of health information occasioned by advances in information technology are highlighted.

Credit points: 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1

PUN213 Introduction to Quality Management in Health

The aim of the unit is to assist students to develop the necessary knowledge and skills to develop a quality management program, perform quality improvement activities, and expand outcomes into process improvements and organisational change. Methods of health care performance measurement are explored, and a clinical quality framework model is introduced. Issues relating to administrative and clinical data quality, safety and privacy in an increasingly electronic health care environment are also considered.

Credit points: 12 **Campus:** Kelvin Grove and External
Teaching period: 2011 SEM-1

PUN214 Systems of Quality and Safety in Health Care

This unit examines the application of quality and safety systems to ensure patient safety in health care environments. It covers quality certification and accreditation systems, their coverage and application to different health care settings, safety systems and models, performance management and case studies.

Prerequisites: PUN213 which can be undertaken concurrently **Credit points:** 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1

PUN219 Leadership of Quality and Safety in Health Care

Prerequisites: PUN213 **Credit points:** 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

PUN220 Introduction to Advanced Clinical Practice

Credit points: 12 **Campus:** External **Teaching period:** 2011 SEM-2

PUN221 Cardiovascular Emergencies

Credit points: 12 **Campus:** External **Teaching period:** 2011 SEM-2

PUN222 Medical and Surgical Emergencies 1

Credit points: 12 **Campus:** External **Teaching period:** 2011 SEM-2

PUN223 Clinical and Integrated Practicum 1

Credit points: 12 **Campus:** External **Teaching period:** 2011 SEM-2

PUN224 Medical and Surgical Emergencies 2

Credit points: 12 **Campus:** External **Teaching period:** 2011 SEM-1

PUN225 Trauma and Environmental Emergencies

Credit points: 12 **Campus:** External **Teaching period:** 2011 SEM-1

PUN226 Obstetric & Paediatric Emergencies

Credit points: 12 **Campus:** External **Teaching period:** 2011 SEM-1

PUN227 Clinical and Integrated Practicum 2

Credit points: 12 **Campus:** External **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: PUN620 is assumed knowledge.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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 dietitians) 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 and External **Teaching period:** 2011 SEM-1

PUN451 Introduction To Health Disaster Management

This unit develops your knowledge of the principles of major incidence response and your ability to manage such incidents. It covers the principles of major incident and disaster management; prevention, planning and preparation to the process of risk identification and management; operational frameworks for management of major incidents and disasters; and recovery arrangements.

Credit points: 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 5TP6

PUN452 Health Disaster Planning and Preparedness

This unit develops an understanding of the importance of health services preparation and planning and the knowledge and skills required to lead health services preparation and planning.

Assumed knowledge: PUN451 is assumed knowledge.

Credit points: 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

PUN453 Health Disaster Response and Recovery

This unit develops students' capability in identifying and evaluating issues that need to be addressed during

response to, and recovery from, a major incident, and managing those issues.

Assumed knowledge: Concurrent enrolment in PUN451 and PUN452 is strongly recommended. **Credit points:** 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

PUN454 Health Leadership in Disaster Management

This unit develops students' capacity to manage a health service so that it is prepared and capable of managing a major incident. It is intended for those who are likely to be responsible for designing response arrangements, instructing others in those arrangements and for managing the health service strategically throughout a major incident.

Assumed knowledge: PUN451, PUN452 and PUN453 are assumed knowledge. **Credit points:** 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 5TP8

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.

Prerequisites: PUN620 and PUN363 **Credit points:** 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

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 and External **Teaching period:** 2011 SEM-2

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 and External

Teaching period: 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

PUN551 Advanced Public Health Nutrition

This unit aims to broaden your understanding of and to critically analyse the application of community and public health nutrition within Australia and internationally across three frameworks. These frameworks are Program Planning incorporating assessment, implementation and evaluation; the Food Chain covering food production, supply and consumption; and the Life Cycle encompassing maternal and infant nutrition, child and adolescents, adults and ageing populations.

Credit points: 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1

PUN552 Population Nutrition and Physical Activity Assessment

This unit focuses on the methods and special features of assessing and monitoring nutrition and physical activity in individuals, groups and whole populations.

Credit points: 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

PUN553 Chronic Disease Prevention and Management

This unit aims to broaden your understanding of the determinants and issues relating to many major chronic diseases and to critically examine and review the application of a number of currently recommended frameworks, strategies and approaches for their prevention and their management both internationally and nationally.

Credit points: 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

PUN554 Food Policy and Sustainability

This unit aims to broaden your understanding of and to critically analyse the development and application of food policy at local, regional, state and global levels. Within the current context of environmental, economic and social vulnerability it will provide students with tools to use policy to impact on food safety, food security and nutritional health that are sustainable both within the short and long term.

Credit points: 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: PUN620 is assumed knowledge.

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

Teaching period: 2011 SEM-2

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 and External **Teaching period:** 2011 SEM-1

PUN632 Leadership in Health Management

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

Antirequisites: PUN610 **Assumed knowledge:** PUN106 or equivalent is assumed knowledge. **Other requisites:** PUN106 or equivalent is assumed knowledge **Credit points:** 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

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 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1

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.

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

Teaching period: 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Prerequisites: PUP032 and PUP038 **Antirequisites:** PUN613 and PUP023 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Assumed knowledge: Knowledge of the principles of health promotion planning is assumed. **Credit points:** 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

PUP038 Contemporary 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 **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Antirequisites: PYB074, HHB113, PYB111 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point and Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: PYB012, PYB101, PYB102, or PYB100

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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.

Antirequisites: PYB012 **Equivalents:** PYB101 **Credit points:** 12 **Contact hours:** 3 hours per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM-1

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.

Prerequisites: PYB100 or PYB101 **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove

Teaching period: 2011 SEM-2

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 2010 students:

Teaching will not commence until January 2011.

Lectures - Monday 10 to Friday 21 January on Mon, Wed, Fri, 9.30 – 4.30.

Students should set aside the full 2 weeks + 1 day for the unit. Final exam will be on Friday 28 January.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SUM-2 and 2011 SEM-2

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.

Prerequisites: PUB270 **Antirequisites:** PYB007, PYB074 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

PYB159 Alcohol and 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.

Antirequisites: PYB158 **Assumed knowledge:** Introductory psychology unit and 96 credit points of first year units are assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: PYB100, PYB102 or PYB101

Equivalents: PYB205 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

PYB203 Developmental Psychology

This unit provides an introduction to life span developmental psychology. It unit 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.

Prerequisites: PYB012, PYB101, PYB102 or PYB100

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: (PYB100 or PYB101 or PYB102) and PYB110 **Equivalents:** PYB303 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 maybe 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.

Prerequisites: PYB203, PYB202 and PYB309 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: PYB007 or PYB074 or HHB113 or SWB104 or PYB111 or PUB209 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: PYB110 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: PYB012, PYB101, PYB102 or PYB100 **Assumed knowledge:** 96 credit points of first year units is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: PYB007 or PYB074 or HHB113 or PYB111 **Antirequisites:** HHB214 and SWB214 **Credit points:** 12 **Contact hours:** 1 week intensive between semesters 1 & 2 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: PYB205 or PYB202 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: PYB102, PYB101 or PYB100 **Assumed knowledge:** Successful completion of all first and second year units is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: PYB012, PYB101, PYB102 or PYB100 **Assumed knowledge:** Successful completion of all first and second year units is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: PYB100, PYB101 or PYB102 **Assumed knowledge:** Successful completion of all first and second year units is assumed knowledge. **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: PYB100, PYB101 or PYB102 **Assumed knowledge:** Successful completion of all first and second year units is assumed knowledge. **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: PYB210 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: PYB208 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: 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.

Prerequisites: PYB208 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: PYB159 or PYB158 or PYB260 or NSB223 **Credit points:** 12 **Contact hours:** 1 week intensive between semesters 1 & 2 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: Successful completion of all first and second year units is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: Successful completion of all first and second year units is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching**

period: 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Assumed knowledge: Successful completion of a third year research methods unit is assumed knowledge.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: Previous studies in counselling units is assumed knowledge. Students with no previous counselling studies must consult the Course Coordinator.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: Previous studies in cognition and/or physiological psychology is assumed knowledge. Students with no previous studies in this area must consult the Course Coordinator. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Assumed knowledge: Previous studies in developmental psychology is assumed knowledge. **Credit points:** 12

Contact hours: 3 per week **Campus:** Kelvin Grove

Teaching period: 2011 SEM-1

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.

Assumed knowledge: Previous studies in industrial or organisational psychology is assumed knowledge. Students with no previous studies in this area must consult the Course Coordinator. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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.

Prerequisites: PYN000 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: PYN001 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: PYN002 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: PYN001 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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).

Prerequisites: PYN006 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: PYN014 **Credit points:** 12 **Contact hours:** 3 per week equivalent **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: PYN014 **Credit points:** 12 **Contact hours:** 3 per week equivalent **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: PYN014 **Credit points:** 12 **Contact hours:** 3 per week equivalent **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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).

Prerequisites: PYN004 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: PYN002 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: PYN021 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: PYN022 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: PYN023 (can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and

2011 SUM

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.

Credit points: 12 **Contact hours:** 3 hours per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

PYN035 Supervised Practicum Stage 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.

Assumed knowledge: Registration with probationary conditions or full registration with the Psychology Board of Australia is assumed **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

PYN036 Supervised Practicum Stage 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.

Prerequisites: PYN035 **Assumed knowledge:** Registration with probationary conditions or full registration with the Psychology Board of Australia is assumed **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

PYN037 Supervised Practicum Stage 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.

Prerequisites: PYN036 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

PYN038 Supervised Practicum Stage 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.

Prerequisites: PYN037 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Contact hours:** 3 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

PYN041 Supervised Practicum Stage 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

Prerequisites: PYN038 **Assumed knowledge:** Registration with probationary conditions or full registration with the Psychology Board of Australia is assumed **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

PYN042 Supervised Practicum Stage 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

Assumed knowledge: Registration with probationary conditions or full registration with the Psychology Board of Australia is assumed **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: PYN025 **Credit points:** 12 **Contact hours:** 3 hours per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: PYN044 **Credit points:** 12 **Contact hours:** 3 hours per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PYN052-2 Research Thesis (Part 2)

See the description for PYN052-1

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PYN052-3 Research Thesis (Part 3)

See the description for PYN052-1

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PYN052-4 Research Thesis (Part 4)

See the description for PYN052-1

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PYN052-5 Research Thesis (Part 5)

See the description for PYN052-1

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

period: 2011 SEM-1 and 2011 SEM-2

PYN052-6 Research Thesis (Part 6)

See the description for PYN052-1

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PYN052-7 Research Thesis (Part 7)

See the description for PYN052-1

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

PYN052-8 Research Thesis (Part 8)

See the description for PYN052-1

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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 **Teaching period:** 2011 SEM-1, 2011 6TP4 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Teaching period:** 2011 SEM-2 and 2011 SUM

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 **Teaching period:** 2011 SUM-1

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.

Prerequisites: PYP401 **Credit points:** 12 **Contact hours:** 12 per semester, plus weekly contact with the Unit Coordinator **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** Weekly contact with Supervisor **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-1 and 2011 SUM

PYP408 Road Safety Audit - Investigation and Treatment of Crash Locations

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 **Campus:** Kelvin Grove **Teaching period:** 2011 SUM-1

QCD110 Professional Communication 1

This unit focuses on the macro-skills of listening, reading, writing and speaking; establishes techniques for extending vocabulary; uses spoken and written texts of an academic nature to summarise, analyse, make inferences and recognise key concepts; incorporates strategies for effective group participation in a cross-cultural context; helps students learn techniques for writing successfully in genres appropriate to their field of study.

Antirequisites: QCD111, QCD120 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1, 2011 13TP2, 2011 SEM-2 and 2011 13TP3

QCD111 Communication 1

This unit focuses on the macro-skills of listening, reading, writing and speaking; establishes techniques for extending vocabulary; uses spoken and written texts of an academic nature to help students to summarise, analyse, make inferences and recognise key concepts; incorporates strategies for effective group participation in a cross-cultural context; helps students learn techniques for writing

successfully in genres appropriate to their field of study.

Equivalents: QCD110, QCD120 **Credit points:** 12
Contact hours: 4 per week **Campus:** Kelvin Grove
Teaching period: 2011 13TP1, 2011 SEM-2 and 2011 13TP3

QCD120 Professional Communication 1

This unit focuses on the macro-skills of listening, reading, writing and speaking; establishes techniques for extending vocabulary; uses spoken and written texts of an academic nature to summarise, analyse, make inferences and recognise key concepts; incorporates strategies for effective group participation in a cross-cultural context; helps students learn techniques for writing successfully in genres appropriate to their field of study.

Equivalents: QCD110, QCD111 **Credit points:** 12
Contact hours: 4 per week **Campus:** Kelvin Grove
Teaching period: 2011 13TP1, 2011 13TP2 and 2011 13TP3

QCD210 Professional Communication 2

This unit further explores vocabulary and grammar and generic structure to develop skills of speaking and writing in context of Field, Tenor and Mode. Effective speaking skills are developed according to academic presentation requirements. Skills for coherent and well-structured writing are also extended to enable efficient essay writing and the refinement of exam techniques. Language and structure appropriate to commercial, technical and academic communication are developed in support of business subjects. Communication for Business 2 language learning tasks are parallel with content material from these units.

Prerequisites: QCD110. QCD110 can be studied in the same teaching period as QCD210. **Equivalents:** QCD211, QCD220 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1, 2011 13TP2, 2011 SEM-2 and 2011 13TP3

QCD211 Communication 2

This unit further explores vocabulary and grammar and generic structure to develop skills of speaking and writing in context of Field, Tenor and Mode. Effective speaking skills are developed according to academic presentation requirements. Skills for coherent and well-structured writing are also extended to enable efficient academic writing and the refinement of exam techniques. Language and structure appropriate to commercial, technical and academic communication are developed.

Prerequisites: QCD111. QCD111 can be studied in the same teaching period as QCD211 **Credit points:** 12
Contact hours: 4 per week **Campus:** Kelvin Grove
Teaching period: 2011 13TP1, 2011 SEM-2 and 2011 13TP3

QCD220 Professional Communication 2

This unit further explores vocabulary and grammar and generic structure to develop skills of speaking and writing in the context of field, tenor and mode. Effective speaking skills are developed according to academic presentation requirements. Skills for coherent and well-structured writing are extended to enable efficient essay writing and the refinement of exam techniques. Language and structure appropriate to commercial, technical and academic

communication are developed in support of technology subjects. Communication for Information Technology 2 language learning tasks are parallel with content material from these units.

Prerequisites: QCD120 **Equivalents:** QCD210, QCD211
Credit points: 12 **Contact hours:** 4 per week
Campus: Kelvin Grove **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

QCF100 Computing

The use of computers is prevalent in Australia for every study area. The aim of the unit is for international students to develop computing skills to prepare for successful undergraduate studies in an Australian university.

Credit points: 12 **Contact hours:** 5 **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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 **Teaching period:** 2011 13TP1 and 2011 13TP2

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 **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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 **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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 **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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 **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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 **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

QCF153 Physical Sciences

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 **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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 **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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 **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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 **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

QCF200 Australian Studies

The unit focuses on the background and cultural context of Australian issues that are common to the majority of people and texts students will encounter in their studies in Australia.

Credit points: 12 **Contact hours:** 4 **Campus:** Kelvin Grove **Teaching period:** 2011 13TP2, 2011 6TP6 and 2011 13TP3

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.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1

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.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1, 2011 13TP2, 2011 13TP3 and 2011 6TP6

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.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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 **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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.

Credit points: 12 **Contact hours:** 5 **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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.

Credit points: 12 **Contact hours:** 5 **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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.

Credit points: 12 **Contact hours:** 5 per week **Campus:** Kelvin Grove **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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 **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

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 **Teaching period:** 2011 13TP1, 2011 13TP2 and 2011 13TP3

QEN007 General English

General English offers pre-academic English and study skills for students preparing for entry into English for Academic Purposes courses as well as non-academic language development at all levels from elementary to advanced.

Credit points: 20 **Contact hours:** 25 **Campus:** Kelvin Grove **Teaching period:** 2011 5TP1, 2011 5TP2, 2011 5TP3, 2011 5TP4, 2011 5TP5, 2011 5TP6, 2011 5TP7, 2011 5TP8 and 2011 5TP9

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 **Teaching period:** 2011 SEM-1

SCB111 Chemistry 1

Chemistry is the central science. It affects society as well as the individual. It is the language and principal tool of the

physical sciences, the biological sciences, the health sciences and the agricultural and earth sciences. A basic knowledge of chemistry is essential to all students in these areas. Knowledge of chemistry allows a better understanding of the human body and of the environment in which we live. The aim of this unit is to introduce you to the basic concepts of general, inorganic, analytical and physical chemistry.

Antirequisites: SCB113 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

SCB112 Cellular Basis of Life

Scientists from all disciplines need an appreciation and a broad overview of the characteristics and functioning of the five groups of living organisms (bacteria, protists, fungi, plants and animals), and their interactions with the inanimate world. SCB112 Cellular Basis of Life is a first semester unit that is essential for many students undertaking courses requiring biological knowledge. Through integrated lecture and laboratory classes, this unit provides you with a foundation for later more advanced studies in your course or major (eg such as medical science, biomedical science, pharmacy, optometry, biochemistry, biotechnology, microbiology, geosciences, ecology, business and education among others). The aim of this unit is to introduce you to the wide diversity of living organisms while emphasising the unity of life processes at the cellular, biochemical and biophysical levels.

Antirequisites: LSB118 LQB182 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: PQB105, SCB111 and SCB121 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: SCB112 **Equivalents:** NRB270 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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. In this unit you will be introduced to fundamental aspects of chemistry including the nature of matter, atoms, molecules and ions. From this basis you will develop an understanding of the electronic structure of atoms, chemical bonding and molecular structure as well as the fundamentals of organic chemistry (often described as the chemistry of life). The aims of this unit are to generate an understanding of the importance of chemical bonding and molecular structure and how these factors effect the properties of organic and bioinorganic molecules; and to allow recognition of, and provide an understanding of, the nature of organic functional groups and their respective reactivity.

Prerequisites: (SCB111 or PCB142) . SCB111 can be studied in the same teaching period **Antirequisites:** PQB105 and SCB113 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Prerequisites: SCB112. SCB112 can be studied in the same teaching period. **Antirequisites:** LSB238 **Credit points:** 12 **Contact hours:** 4.5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

SCB131 Experimental Chemistry

Chemistry is the central science. A detailed study of chemistry and related disciplines requires the development of practical laboratory skills for synthesis and chemical analysis. This unit is designed specifically to develop these aspects of chemistry. 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. The aim of this unit is to develop a broad knowledge of, and the practical skills required for, scientific experiments in chemistry. The skills acquired in this unit are transferable to other practical sciences including medical science, biochemistry, molecular biology and pharmacy.

Prerequisites: SCB113 or (SCB111 and SCB121) SCB121 can be concurrently enrolled
Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: PYB007 **Credit points:** 12 **Contact hours:** 5 hours per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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.

Credit points: 24 **Contact hours:** 20 per week (for five weeks) **Campus:** Gardens Point **Teaching period:** 2011 SUM-2 and 2011 SEM-1

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.

Prerequisites: SCB301 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: SCB208 **Corequisites:** SCB338
Assumed knowledge: Students should enrol in SCB338 in the same semester unless previously completed **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: SCB122 and SCB131 **Corequisites:** SCB308 **Assumed knowledge:** Students should enrol in SCB308 in the same semester unless previously completed **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

SCB401 Research Methods for Dean's Scholars

order to be able to commence independent research, students need to be able to identify in conjunction with an academic mentor a topic suitable for a scientific investigation, review and report on the literature relevant to the investigation, identify questions or problems to be investigated and appropriate procedures for their investigation, and develop and write a report on their investigations. This unit aims to develop these skills in students through the guidance of an academic mentor.

Credit points: 12 **Contact hours:** Arranged by academic mentor
Campus: Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: SCB308 **Corequisites:** SCB438
Assumed knowledge: Students should enrol in SCB438 in the same semester unless previously completed **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: SCB338 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching**

period: 2011 SEM-2

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.

Prerequisites: SCB338 **Corequisites:** SCB408 **Credit points:** 12 **Contact hours:** 5 per week **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 52 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

SCB501-1 Research Project for Dean's Scholars

Independent research is a fundamental aspect of science and mathematics. This unit involves a small research project that may be based on a previously developed research proposal. The unit guides students through the research process from the experimentation and/or literature searching and review to the writing of a paper under the guidance of a research mentor. The research project aims to foster enhanced observational, practical, and problem solving skills, literacy and communications skills, and professional responsibility and ethical conduct.

Credit points: 12 **Contact hours:** (Individual research project) **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

SCB501-2 Research Project for Dean's Scholars

Independent research is a fundamental aspect of science and mathematics. This unit involves a small research project that may be based on a previously developed research proposal. The unit guides students through the research process from the experimentation and/or literature searching and review to the writing of a paper under the guidance of a research mentor. The research project aims to foster enhanced observational, practical, and problem solving skills, literacy and communications skills, and professional responsibility and ethical conduct.

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

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.

Prerequisites: SCB408 **Corequisites:** SCB538

Assumed knowledge: Students should enrol in SCB538 in the same semester unless previously completed **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

SCB528 Pharmaceutics 1

This unit is designed to provide knowledge relating to the physical and chemical properties of the components of pharmaceutical formulations. The formulation of drugs has a large influence on 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 will introduce you to the basic concepts and theories of pharmaceutical formulation and compounding with a focus on liquid and semi-solid dosage forms.

Prerequisites: SCB428 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: SCB438 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: SCB508 **Corequisites:** SCB648

Assumed knowledge: Students should enrol in SCB648 in the same semester unless previously completed **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: SCB528 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: SCB538 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: SCB538 and LQB386 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: SCB608 and SCB648 **Corequisites:**

SCB758, SCB768 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: SCB648 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: SCB608 and SCB648 **Corequisites:** SCB708 and SCB768 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Corequisites: SCB758, SCB708 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: SCB708 and SCB768 **Corequisites:** SCB848, SCB858 and SCB868 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: SCB648 and SCB748 **Corequisites:** SCB808 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: SCB758 **Corequisites:** SCB808 and SCB868 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: SCB708 and SCB768 **Corequisites:** SBC808 and SCB858 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Antirequisites: SPN651 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Caboolture **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove, External and Caboolture **Teaching period:** 2011 SEM-1, 2011 6TP4, 2011 SEM-2 and 2011 SUM

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Internet and External **Teaching period:** 2011 SEM-1, 2011 6TP4 and 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 6TP4

SPB038 Understanding Reading Difficulties

The aims of this unit are to provide pre-service teachers (Prep to Year 12) with opportunities to deepen their knowledge of the reading process and to develop their skills in identifying and supporting struggling readers in an inclusive setting. An emphasis will be placed on classroom-based assessment practices and explicit evidence-based instructional practices that can be incorporated into rich literacy activities.

Credit points: 12 **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1

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.

Prerequisites: EDB101 **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.

Prerequisites: EDB103 **Corequisites:** EDB104 **Credit points:** 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-2

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.

Prerequisites: SPB104 **Credit points:** 12 **Campus:** Internet and External **Teaching period:** 2011 SEM-1

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.

Prerequisites: SPN651 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Prerequisites: SPN651 and SPN612 (SPN612 can be enrolled in the same teaching period) **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Internet and External

Teaching period: 2011 SEM-1

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.

Prerequisites: SPN651 **Credit points:** 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Internet, Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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.

Prerequisites: SPN640 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

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 **Campus:** External **Teaching period:** 2011 SEM-1

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.

Antirequisites: SPN627, SPN628 **Credit points:** 12
Campus: Kelvin Grove and External **Teaching period:** 2011 SEM-1

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.

Antirequisites: SPN637 **Credit points:** 12 **Campus:** Kelvin Grove and External **Teaching period:** 2011 SEM-2

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.

Antirequisites: SPN614 **Credit points:** 12 **Campus:** External **Teaching period:** 2011 SEM-2

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.

Prerequisites: SPN651 and SPN611 (SPN611 can be enrolled in the same teaching period) **Credit points:** 12

Contact hours: 200 **Campus:** External **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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 **Campus:** External **Teaching period:** 2011 SEM-2

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 and External **Teaching period:** 2011 SEM-1

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.

Antirequisites: SPB006 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

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:** External **Teaching period:**

2011 SEM-2

SPN653 Teaching, Learning and Assessing in Vocational Education and Training

Within this unit you will become critically-informed about the academic needs of the vocational learner. This unit will also provide you with a comprehensive understanding of theoretical underpinnings and the processes involved in developing vocational education courses together with teaching, learning and assessment approaches that are appropriate to vocational education contexts.

Credit points: 12 **Campus:** Kelvin Grove and External
Teaching period: 2011 SEM-1

SPN654 Career Development: Policy and Process Context

This unit introduces students to the broad areas of career development policy, career counselling, and career development programs. It is based on Component 3 of the Australian Career Development Studies (reproduced and modified with the approval of the Federal Department of Education Employment and Workplace Relations).

Credit points: 12 **Campus:** Internet **Teaching period:** 2011 SEM-1 and 2011 SEM-2

SPP400 Classroom and Behaviour Management

This unit investigates a range of classroom management strategies, including preventative, supportive and corrective approaches, that are aimed at developing collaborative and inclusive learning environments in a range of educational settings

Credit points: 12 **Campus:** Kelvin Grove and External
Teaching period: 2011 SEM-1

SPP401 Classroom Assessment Practices

This unit aims to equip you with both theoretical knowledge and practical skills in assessing and reporting which can be applied in the classroom situation.

Credit points: 12 **Campus:** External **Teaching period:** 2011 SEM-2

SPP402 Primary Educational Perspectives

The unit requires that you engage-in a critical and problematizing manner-with current theoretical and research literature from the disciplinary perspectives of the Psychology and Sociology of Education so that you are able to build your professional and ethical capacities and dispositions as a Primary school teacher. Of crucial importance in this regard is the vital process of 'teacher as researcher' to which you will be introduced in this unit and which will underpin your learning. The unit is located in the early stages of your course progression to provide you with the necessary professional contexts for your learning in curriculum and field studies.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SPP403 Enhancing Your Teaching Practice

In this unit, you will gain knowledge and understanding of theoretical and practical pedagogic frameworks that can be applied to your classroom practices. As such, this unit will assist you to develop the knowledge and skills necessary to

become effective classroom practitioners.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

STB551 Engaging with the Innovation Industry

Working in the innovation industry requires a suite of skills beyond an in depth technical and/or business knowledge of a disciplinary area. Successful facilitators of innovation exchange require well developed professional portfolios and high level capabilities in the generic or soft skills including communication (written, oral and aural), thinking approaches (analytical, critical and lateral), adaptability, flexibility, leadership, learning approaches and team-based skills. This unit helps prepare you to become a professional in the innovation industry whether as an entrepreneur seeking funding for development of intellectual property or as facilitator of innovation exchange between inventor, venture capital sources and the global marketplace.

Credit points: 12 **Teaching period:** 2011 SEM-1

STB709-1 Innovation and Commercialisation Project

The Innovation and Commercialisation Project is a capstone unit that provides a concrete opportunity for students to consolidate and contextualise the knowledge and skills they have acquired in the course and apply them to a substantial project. The unit serves to provide work experience and link University study with the professional practice of innovation commercialisation context. New venture areas of industry, focussed as they often are on emergent technologies and the commercialisation of innovation, require graduates capable of high levels of critical thinking and evaluation coupled with a sound technical and business knowledge and skills base of relevance to the particular innovation context. The capacity to conduct rigorous analysis into the research, development and commercialisation of products and processes is a fundamental aspect of converting real-world science and technology into products for the global marketplace.

Prerequisites: STB551 **Credit points:** 12 **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

STB709-2 Innovation and Commercialisation Project

The Innovation and Commercialisation Project is a capstone unit that provides a concrete opportunity for students to consolidate and contextualise the knowledge and skills they have acquired in the course and apply them to a substantial project. The unit serves to provide work experience and link University study with the professional practice of innovation commercialisation context. New venture areas of industry, focussed as they often are on emergent technologies and the commercialisation of innovation, require graduates capable of high levels of critical thinking and evaluation coupled with a sound technical and business knowledge and skills base of relevance to the particular innovation context. The capacity to conduct rigorous analysis into the research, development and commercialisation of products and processes is a fundamental aspect of converting real-world science and technology into products for the global marketplace.

Prerequisites: STB551 **Credit points:** 12 **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

STB709-3 Innovation and Commercialisation Project

The Innovation and Commercialisation Project is a capstone unit that provides a concrete opportunity for students to consolidate and contextualise the knowledge and skills they have acquired in the course and apply them to a substantial project. The unit serves to provide work experience and link University study with the professional practice of innovation commercialisation context. New venture areas of industry, focussed as they often are on emergent technologies and the commercialisation of innovation, require graduates capable of high levels of critical thinking and evaluation coupled with a sound technical and business knowledge and skills base of relevance to the particular innovation context. The capacity to conduct rigorous analysis into the research, development and commercialisation of products and processes is a fundamental aspect of converting real-world science and technology into products for the global marketplace.

Prerequisites: STB551 **Credit points:** 12 **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

SWB100 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. [SWB100 is incompatible with HHB100]

Antirequisites: HHB100 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWB102 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. [SWB102 is incompatible with HHB102]

Antirequisites: HHB102 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWB103 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. [SWB103 is incompatible with HHB103]

Antirequisites: SWB108 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

SWB105 Introduction to Human Rights and Ethics

This unit explores a range of contemporary national, regional and international human rights challenges and issues. It examines the relationship between human rights, the human rights system and critically important global problems including climate change, poverty, terrorism and oppressive forms of intolerance. It offers opportunities to investigate thematic concerns relating to women, youth, 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, communication and collaborative technologies. There are a number of interesting options open for assessment. [SWB105 is incompatible with HHB114]

Antirequisites: HHB114 **Credit points:** 12 **Campus:** Gardens Point and Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

SWB106 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. [SWB106 is incompatible with HHB116]

Credit points: 12 **Campus:** Kelvin Grove and Caboolture **Teaching period:** 2011 SEM-1 and 2011 SEM-2

SWB200 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. [SWB200 is incompatible with HHB200]

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

SWB204 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. [SWB204 is incompatible with HHB204]

Antirequisites: HHB204 **Credit points:** 12 **Campus:** Kelvin Grove

SWB206 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. [SWB206 is incompatible with HHB206]

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

SWB207 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. [SWB207 is incompatible with HHB207]

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

SWB208 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. [SWB208 is incompatible with HHB208]

Prerequisites: (SWB100 or HHB100), (SWB104 or HHB113 or PYB007), SWB209. SWB209 may be studied concurrently **Antirequisites:** SWB201 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWB209 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. [SWB209 is incompatible with HHB209]

Prerequisites: (SWB100 or HHB100), (SWB220 or SWB221. SWB220 and SWB100 may be enrolled in the same teaching period as SWB209 **Antirequisites:** SWB201 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWB211 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. [SWB211 is incompatible with HHB211]

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

SWB212 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. [SWB212 is incompatible with HHB212]

Antirequisites: HHB212, HHB216, SWB216 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWB214 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. [SWB214 is incompatible with HHB214]

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

SWB216 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. [SWB216 is incompatible with HHB216]

Antirequisites: SWB212 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

SWB217 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. [SWB217 is incompatible with HHB217]

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

SWB218 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. [SWB218 is incompatible with HHB218]

Antirequisites: SWB108 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

SWB219 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. [SWB219 is incompatible with HHB277]

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

SWB220 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. [SWB220 is incompatible with HHB278]

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWB221 Social Work Processes and Methods

This unit is intended to enable students to develop knowledge and application skills in practice processes and methods central to social work and human service practice contexts. It aims to orient students to core human service and social work practice processes and methods and enable them to appropriately use these across diverse settings. [SWB221 is incompatible with HHB279]

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWB222 Advanced Communication for Human Services and Social Work

[This is a designated unit]

Developed interpersonal communication skills are the cornerstone for both personal and professional relationships. Human service and social work in a broad sense, aim to help people in their struggle for self determination and social justice. At a fundamental level, the struggle for independence, justice and empowerment is facilitated by interpersonal processes involving the effective use of communication and conflict resolution skills. This unit builds the fundamental communication skills essential for professional social work within a diversity of practice settings. It pays particular attention to the needs of Indigenous peoples and clients from ethnically and cultural diverse backgrounds. It develops necessary skills in interpersonal dynamics, interviewing, empathic engagement, relationship building, working with resistant clients, alternate dispute resolution and reflective practice. [SWB222 is incompatible with HHB282], [Designated unit]

Prerequisites: HHB113 or SWB104 or PYB007

Antirequisites: HHB215 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWB223 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. [SWB223 is incompatible with HHB283]

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWB300 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. [SWB300 is incompatible with HHB300]

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

SWB301 Advanced Professional Practice

The Advanced Professional Practice unit is a vital part of the Human Services course and a time for final year students to link the theoretical component of the course to the human services agency context. The final 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 human services practitioner by undertaking 400 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. [SWB301 is incompatible with HHB301]

Prerequisites: (SWB200 or HHB200), (SWB208 or HHB208), (SWB209 or HHB209), (SWB219 or HHB277), (SWB220 or HHB278) and (SWB221 or HHB279)

Antirequisites: SWB314 **Credit points:** 36 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

SWB302 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. [SWB302 is incompatible with HHB213]

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

SWB304 Child and Family Services: Advanced

The unit extends and deepens knowledge gained in Child and Family Introduction. You will particularly focus on developing a framework for assessment with families and gain further knowledge for practice with families who are refugees, where there is domestic violence and in the hospital context. Emphasis is placed on developing strategies to promote the participation of children and young people. You will also enhance skills of identifying worthwhile service change and submission writing.

[SWB304 is incompatible with HHB304]

Prerequisites: SWB204 or HHB204 **Credit points:** 12
Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

SWB305 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. [SWB305 is incompatible with HHB305]

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWB306 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. [SWB306 is incompatible with HHB306]

Prerequisites: SWB206 or HHB206 **Credit points:** 12
Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

SWB307 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. [SWB307 is incompatible with HHB307]

Prerequisites: SWB207 or HHB207 **Credit points:** 12
Campus: Kelvin Grove **Teaching period:** 2011 SEM-1

SWB308 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. [SWB308 is incompatible with HHB319]

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWB309 Social Work Practice and Fieldwork 1

[This is a designated unit]

The Practice and Fieldwork 1 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 complimented by university tutorials, 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 field education placement, thus leading them into the workforce. [SWB309 is incompatible with HHB338], [Designated unit]

Prerequisites: (SWB100 or HHB100), (SWB200 or HHB200), (SWB219 or HHB277), (SWB221 or HHB279), (SWB222 or HHB282), (SWB223 or HHB283) and SWB310. SWB310 can be enrolled in the same study period.
Credit points: 36 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SUM

SWB310 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. [SWB310 is incompatible with HHB339]

Prerequisites: (HHB100 or SWB100) and (HHB200 or SWB200) and (HHB277 or SWB219) and (HHB279 or SWB221) and (HHB282 or SWB222) and (HHB283 or SWB223) **Credit points:** 12 **Campus:** Kelvin Grove
Teaching period: 2011 SEM-1 and 2011 SUM

SWB311 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. [SWB311 is incompatible with HHB340]

Prerequisites: SWB220 or HHB278 **Credit points:** 12
Campus: Kelvin Grove **Teaching period:** 2011 SEM-2

SWB312 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. [SWB312 is incompatible with HHB341]

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWB401 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. [SWB401 is incompatible with HHB401]

Prerequisites: SWB221 or HHB279 **Credit points:** 12
Teaching period: 2011 SEM-1

SWB404 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. [SWB404 is incompatible with HHB302]

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWB405 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 their Literature Review.

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

SWB408 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. [SWB408 is incompatible with HHB408], [Designated

unit]

Prerequisites: (SWB221 or HHB278), (SWB309 or HHB338), (SWB310 or HHB339) **Corequisites:** SWB409
Antirequisites: SWB402, SWB403 **Credit points:** 36
Campus: Kelvin Grove **Teaching period:** 2011 SEM-2 and 2011 SUM

SWB409 Linking Social Work Theory, Ethics and Practice 2

Prerequisites: (SWB309 or HHB338), (SWB310 or HHB339), (SWB221 or HHB278) **Corequisites:** SWB408
Antirequisites: **Credit points:** 12 **Campus:** Kelvin Grove
Teaching period: 2011 SEM-2 and 2011 SUM

SWN001 Planning, Literacy and Research For Professional Practice

This unit commences with a staff-mentored process which requires each student to conduct a reflective professional / personal audit identifying strengths, weaknesses, opportunities and challenges as they begin study. It includes a review of communication skills, learning styles, personal values, career experiences, knowledge of other disciplines and anticipated areas for future professional practice. The audit culminates in a Personal Learning Plan which provides a base line position for planned, self-directed learning within the Course. The unit introduces research methodologies relevant for postgraduate study, social and evidence based research for professional practice.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWN002 Trends, Challenges and Opportunities in Social Work

This unit describes and analyses the characteristics of the contemporary social work sector. It provides an overview of current social work issues and places particular emphasis on the dynamic interplay of existing social, economic and political events and their implications for social work practice and institutional contexts. Employing the AASW Practice Standards, it reviews the nature and scope of the social work sector and workforce and describes contemporary generic methods of intervention and practice.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWN003 Political Economy and Policy Making

This unit recognizes the importance of political and economic factors for professional practitioners in the human service and social welfare sector. It describes and analyses the fundamentals of the Australian political system including the Parliamentary structures and law making processes at different levels of government. It explores the 'real politik' of political parties and vested interest groups in the political process giving particular attention to the development of policy. It provides an overview of public sector policy making process including the budgetary procedure. The unit encourages students to be active actors in relevant political / economic processes.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWN004 Professional Communication Skills

This unit builds the fundamental communication skills essential for professional social work within a diversity of practice settings. It pays particular attention to the needs of Indigenous peoples and clients from ethnically and cultural diverse backgrounds. It develops necessary skills in interpersonal dynamics, interviewing, empathic engagement, relationship building, insight, negotiation, advocacy and reflective practice. It acknowledges the need for professionals to be proficient in written and audio communications and ensures competence in the use of a range of contemporary information, communication and presentation technologies.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWN005 Health, Wellbeing and the Human Condition

This unit considers the contested and changing understandings of human well being across the life cycle. Key aspects of wellness and health are examined for their impact on individuals, groups, and community well being. It explores selected psychosocial theories and looks at their utility for social work practice particularly in relation to mental health, child and family welfare, and disability services. The unit views health and well being from a holistic perspective, and critiques the dominant biomedical model and challenges perceptions that quality of life is determined merely by acquisition and consumption.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWN006 The Ethical, Legal and Organizational Context of Practice

This unit locates social work practice within its ethical, legal and organizational context. It emphasizes the imperative for students to know, understand and actualize core social work values particularly those incorporated in the profession's national and international codes of conduct, professional standards and ethical practice requirements. The statutory and organisational dimensions of social work practice are described and explored with case scenarios providing opportunities to develop strategies for self management within diverse organisational contexts.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1 and 2011 SEM-2

SWN007 Casework Practice

This unit builds on the fundamental communication skills essential for professional social work case work and case management practice. It assists students to achieve professional levels in understanding and applying contemporary social work theories and principles which underpin case work and case management. The application of core principles that are essential in Social Work practice, such as client self determination and empowerment, are developed through experiential learning of skills including interviewing techniques, counselling, short term intervention, problem solving and facilitation of change.

Prerequisites: SWN001 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

SWN008 Group, Team and Community Work for Professional Practice

This unit critically reviews the theory of group work, team work, and community work and explores the strategic use of each as an intervention method in professional practice. It requires students to develop and demonstrate high level skills for the effective use of each of these as intervention methods for addressing disadvantage and marginalisation. It focuses particularly on group, team and community engagement, and tests skills for capacity building, advocacy, negotiation, conflict resolution, project management, planning and leadership.

Prerequisites: SWN001 **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

SWN009 Social Work Assessment and Intervention

This unit extends students' skills developed in professional communication, case, group, and community work, to apply assessment and intervention skills at the micro, meso, and macro levels of practice. The unit explores a range of assessment methods, intervention skills and a professional practice framework to interpret the particularities of the client's life circumstances. The practice skills of assessment, planning, intervention, make decisions and judgments, solve problems, and promoting change at the relevant level of practice to enhance client well being are personalised in real life contexts.

Credit points: 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1

SWN010 The Socio-Cultural Context of Professional Practice

This unit locates professional practice within the socio – cultural context of Australia. It includes an historical and descriptive mapping of the Australian population giving particular attention to age, health, socio / economic, Indigenous, cultural and ethnic characteristics. The unit focuses on the history of Indigenous Australians and the profound cultural, social and economic consequences of colonisation and institutional racism. It emphasises the acquisition of cultural competence in particular in relation to Indigenous Australians. It employs a range of sociological analytical tools - power, authority, class, status, race and gender – to allow students to explore the structure of Australian society to promote principles central to social care professional practice including, well-being, the protection of human rights, the promotion of social justice and the empowerment of people.

Credit points: 12 **Teaching period:** 2011 SEM-1

SWN011 Professional Practice 1

This Professional Practice unit requires students to complete 245 hours of professionally supervised, staff monitored, field practice in a period of not less than 40 days. In accordance with AASW requirements, students are required to engage in planned activities which may include: direct practice with individuals, groups and communities; service management; organisational development and system change; policy development, implementation and change; research and knowledge generation; education and professional development. This unit is one of three Professional Practice units. [Designated unit]

Prerequisites: SWN001, SWN002, SWN004, SWN007 and SWN008. SWN007 and SWN008 may be taken concurrently **Credit points:** 12 **Teaching period:** 2011 SEM-2

SWN012 Professional Practice 2

This Professional Practice unit requires students to complete 245 hours of professionally supervised, staff monitored, field practice in a period of not less than 40 days. In accordance with AASW requirements, students are required to engage in planned activities which may include: direct practice with individuals, groups and communities; service management; organisational development and system change; policy development, implementation and change; research and knowledge generation; education and professional development. This unit is one of three Professional Practice units. [Designated unit]

Prerequisites: SWN001, SWN002, SWN004, SWN007, SWN008 and SWN011. SWN007, SWN008 and SWN011 may be taken concurrently **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2

SWN013 Professional Practice 3

This Professional Practice unit requires students to complete 490 hours of professionally supervised, staff monitored, field practice in a period of not less than 40 days. In accordance with AASW requirements, students are required to engage in planned activities which may include: direct practice with individuals, groups and communities; service management; organisational development and system change; policy development, implementation and change; research and knowledge generation; education and professional development. This unit is the final of the three Professional Practice units.

Details of activities, requirements, standards, learning outcomes, supervision and other arrangements are set out in SWN011 Professional Practice 1: Guidelines, Standards and Outcomes which incorporates provisions of the AASW Education and Accreditation Standards, AASW Practice Standards for Social

Workers: Achieving Outcomes and the AASW Code of Ethics. Designated unit.

Prerequisites: SWN001, SWN002, SWN004, SWN007, SWN011, SWN012 **Credit points:** 24 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

SWN014 Developing Social Work Practice Frameworks

This unit focuses on student's appreciation of practice and the building of a professional practice framework that integrates knowledge, skills, values, client needs and organizational settings. It requires students to articulate their framework, and to reflect on and recognize the differences between that professional framework and their personal values, assumptions, beliefs and attitudes.

Prerequisites: SWN011, SWN012 and SWN013. SWN013 may be taken concurrently. **Credit points:** 12 **Campus:** Kelvin Grove **Teaching period:** 2011 SEM-2 and 2011 SUM

SWN015 Transition to Social Work Practice

This unit commences with a staffmentored process which engages each student in a reflective

professional / personal audit of their skills, knowledge and values against AASW standards. It provides a number of flexible, individualised learning opportunities for students to identify and work on competencies that are required for preferred social work positions and career aspirations. Students review their Personal Learning Plans and transform these into a Continuing Professional Education Plan. They finalise and present their EPortfolio in a social work job interview scenario.

Prerequisites: SWN013 can be studied in the same semester. **Credit points:** 12 **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM

SWN410 Logic of Social Inquiry

This unit assists students to develop research questions and research designs appropriate for postgraduate theses in the social sciences. Students are guided through tasks such as developing research questions; identifying the purpose and contribution of their work; applying research strategies and designs appropriate for theory construction and theory testing; and understanding qualitative and quantitative approaches to data selection, collection and analysis.

Credit points: 12

UDB100 Urban Development and Sustainability

This unit introduces you to the essential professional skills and practises common to the fields and disciplines of urban development.

Through this unit you will have an opportunity to develop and demonstrate professional knowledge in your specialized area while also developing foundation academic and university skills that you will use to enhance and support your further studies. Concepts relating to professional practice, ethics, information management and sustainability will be addressed throughout the unit. Information from this unit will be consolidated in UDB200.

Antirequisites: DEB100 and ENB100 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: CNB105 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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.

Antirequisites: BSB113, BSD113 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: CNB102 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: UDB110 **Equivalents:** CNB109 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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).

Prerequisites: UDB110 **Equivalents:** CNB110 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

UDB140 Property Valuation 1

This unit provides an introduction to property valuation fundamentals including value principles and concepts, market data and the methods of valuation, with particular focus on the valuation of residential property.

Equivalents: CNB194 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: UDB110 **Antirequisites:** UD40MJR-CONSMGT- Construction Management Major, UD40MJR-QUANSRV - Quantity Surveying Major **Equivalents:** CNB290 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Equivalents: PSB640 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

UDB200 Project Planning in Urban Development

This unit will enable you as a graduating Built Environment and Engineering professional to take active and positive steps to transform professional practice in ways that promote the sustainability of our planet, our economy and our society. As future professionals in the fields of Design, Urban Development and Engineering Systems, you will need to understand and apply the concepts of sustainability in your professional practice if we are to achieve sustainable development in the 21st Century.

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

Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: CNB228 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: UDB110 **Equivalents:** CNB107 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: UDB111 (can be enrolled in the same teaching period) **Equivalents:** CNB108 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: UDB113 **Equivalents:** CNB204 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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).

Prerequisites: UDB110,UDB113 **Equivalents:** CNB305 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 .

Prerequisites: UDB112 or BEB200 or ENB200 **Assumed knowledge:** UDB210 is assumed knowledge. **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: CNB203 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: CNB209 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

UDB240 Planning Theory and Processes

This unit is an introduction to the fundamental principles of urban planning control and regulation in Queensland. Property economists need to be aware of the history, development and current impact of planning regulation on property development and investment. This unit covers current development planning approval, assessments, conditions and appeals processes. Integration of economics, equity and social responsibility which include conservation and heritage protection and its impact on development and land are also discussed.

Antirequisites: UD40MJR-URBPLAN - Urban and Regional Planning Major **Equivalents:** CNB295 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

UDB241 Property Law 1

A practicing property professional requires an understanding of real property law in order to optimise the utility of property assets and therefore the value of property assets. This unit covers aspects of real property law which impact on professional property practice in Queensland.

Assumed knowledge: UDB102 is assumed knowledge.

Equivalents: CNB191 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

UDB242 Property Valuation 2

An understanding of valuation methodologies relating to commercial property assessment is central to the work of any property professional. This unit develops an understanding of the various methodologies and the application of these valuation methodologies to practical scenarios. This unit also further develops an understanding of the various market sectors and how the market impacts on the value of a property asset.

Prerequisites: UDB140 **Equivalents:** CNB292 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: UDB104 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

UDB244 Property Law 2

A practicing property professional needs a good understanding of several areas of law as it applies to property transactions and property practice to be able to manage and avoid risk, identify legal issues as they arise and identify when specialised legal counsel is necessary. This unit focuses on extending and applying the theoretical knowledge obtained in UDB102 and UDB241 to explore

how the common law and relevant legislation is applied to property practice and property transactions. The unit covers areas of torts law, contract, agency, consumer protection and dispute resolution as applicable to a practicing property professional in Queensland.

Assumed knowledge: UDB102 is assumed knowledge.

Equivalents: CNB193 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: UDB243 **Equivalents:** CNB291 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

UDB246 Property Feasibility Studies

Property economists play an important role in advising on the investment worth of property. As such the unit introduces students to assessment of property as an investment asset taking into account financing and taxation arrangements in addition to risk and return measures.

Prerequisites: UDB242 **Equivalents:** CNB392 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

UDB247 Property Valuation 3

It is part of the role of a Property Valuer to perform valuations for statutory purposes and to represent those valuations in the capacity of an expert witness. It is imperative that you have the necessary knowledge to undertake statutory valuations and have an understanding of the role of a Valuer as an expert witness. This unit will enhance the knowledge and skills you have developed in prior valuation units and apply this in the statutory and special use property valuation context.

Prerequisites: UDB241 and UDB242 **Equivalents:** CNB391 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: UDB161 **Equivalents:** PSB431 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: (UDB163 and UDB164) or ENB274 or DE40MJR-LNDARCH - Landscape Architecture Major
Equivalents: PSB433 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: UDB163 or DE40MJR-LANDARC - Landscape Architecture Major **Equivalents:** PSB445
Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: PSB631 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: PSB655 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: (MAB100 or MAB120) and UDB182
Equivalents: DBB646 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: MAB101, UDB182, and UDB283
Equivalents: PSB641 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: UDB182 **Equivalents:** PSB620 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: CNB395 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

UDB302 Development Process

This unit brings together concepts gained on strategic evaluation, risk, time management, organisational behaviour, planning, construction and development feasibility analysis. It places this knowledge in a total project context and provides you with an understanding of the processes involved in property development from conception to completion and beyond.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: UDB210**Equivalents:** CNB201 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: UDB111 and UDB211 **Equivalents:** CNB202 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: CNB302 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: CNB335 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: UDB110, UDB210, UDB310, and UDB215 **Equivalents:** CNB309 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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).

Prerequisites: UDB212 **Equivalents:** CNB310 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: CNB307 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

UDB340 Agency Practice and Marketing

Property sales and leasing are the starting point of any property development, property investment and is also the basis of all valuation analysis. This unit provides students with an understanding of the role of real estate agents in respect to property sales and lease negotiation and demonstrates the relevance and interaction of units such as property valuation, property law and planning in property sales and leasing.

Assumed knowledge: UDB241 and UDB244 are assumed knowledge. **Equivalents:** CNB294 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

UDB341 Property Finance

Property is a major asset class of available investment options. Due to its distinct characteristics, debt and equity financing plays a major role in investment decisions. As such, the unit develops students' understanding of property investment and financing techniques and the place of property assets within the capital markets.

Prerequisites: UDB242 **Equivalents:** CNB297 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

UDB342 Real Estate Accounting and Taxation

This unit provides the opportunity for students to develop basic financial accounting, cost and management accounting and financial management skills, all within the context of the property industry. In addition, students will learn principles involved in accounting for Real Estate Trust Accounts, and various taxation aspects related to property

transactions.

Antirequisites: BSB110 **Equivalents:** CNB293 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

UDB344 Property and Asset Management

With an increasing number of companies and institutions now leasing property rather than direct ownership, the management of these assets is becoming a crucial aspect of business practice. This unit will cover the physical and financial aspects of commercial, retail and industrial property management and the role of property as a strategic real estate asset. The area of Corporate Real estate and Asset management will also be covered in the unit.

Prerequisites: UDB242 **Assumed knowledge:** UDB244 is assumed knowledge. **Equivalents:** CNB393 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: PSB451 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-1

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.

Equivalents: PSB462 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: UDB381 and UDB383 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: MAB730 **Equivalents:** PSB642 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: UDB383 **Equivalents:** PSB643 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: BEB200 or UDB200 **Equivalents:** CEB259 **Credit points:** 12 **Contact hours:** 4 per week
Campus: Gardens Point **Teaching period:** 2011 SEM-1

UDB387 Spatial and Land Information Management

This unit provides you with an understanding of the spatial data infrastructure that will increasingly underpin decision making in diverse areas of development including resource management; urban and rural planning; cadastral administration and facilities management. The unit will provide an introduction to the concepts of a spatial data system planning overview, system implementation, and standards, legal issues, and knowledge-based techniques.

Prerequisites: UDB281 **Equivalents:** PSB612 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: UDB281 **Equivalents:** PSB654 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: CNB336 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

UDB420 Project Administration

This unit provides an introduction into project administration in the building construction industry. It will prepare you for the administrative and contractual interactions that occur between the Contractors and Sub-contractors during a project.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 **Teaching period:** 2011 SEM-2

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.

Prerequisites: UDB383 and UDB384 **Equivalents:** PSB644 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: UDB383 **Equivalents:** PSB645 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Prerequisites: UDB302 and UDB385 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Prerequisites: UDB285 **Credit points:** 12 **Contact hours:** 5 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 and External **Teaching period:** 2011 SEM-2

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 and External **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-2

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.

Credit points: 12 **Campus:** Gardens Point and External **Teaching period:** 2011 SEM-1

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.

Credit points: 12 **Campus:** Gardens Point and External
Teaching period: 2011 SEM-2

UDN505 Assets, Environment and Safety

Credit points: 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: UDB471, DBP409 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-1

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.

Equivalents: UDB472, DBP411 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2

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.

Equivalents: UDB474, DBP413 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-2

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.

Equivalents: UDB473 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: UDB162 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: UDB164 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: UDB265, PSP268 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-1

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.

Equivalents: UDB266, DBP402 **Credit points:** 12
Contact hours: 3 per week **Campus:** Gardens Point
Teaching period: 2011 SEM-1

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.

Equivalents: UDB267 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: UDB302 **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: UDB368 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: UDB475, DBP414 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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 **Teaching**

period: 2011 SEM-1

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 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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 **Teaching period:** 2011 SEM-2

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.

Equivalents: UDZ590, CNP521 **Credit points:** 12 **Campus:** Gardens Point **Teaching period:** 2011 SEM-1

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.

Equivalents: UDZ592 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching**

period: 2011 SEM-1

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.

Equivalents: UDZ594 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

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.

Equivalents: UDZ596 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 SEM-2

UDZ590 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.

Equivalents: UDN590, CNP521 **Credit points:** 12
Campus: Gardens Point

UDZ594 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.

Equivalents: UDN594 **Credit points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point