### Unit Synopses

#### AMB031 Mandarin 1

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>HHB051 and HUB453</td>
<td>AMX031, HHB031</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
</tr>
</tbody>
</table>

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; expression of family relations, and talking about nationalities, places, objects, locations and directions.

#### AMB032 Mandarin 2

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMB031 or HHB031 or HUB453 or HHB051</td>
<td>AMX032, HHB032</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.

#### AMB033 Mandarin 3

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMB032 or HHB032</td>
<td>AMX033, HHB033</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
</tr>
</tbody>
</table>

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.)

#### AMB034 Mandarin 4

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMB032 or HHB033</td>
<td>AMX034, HHB034</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
</tr>
</tbody>
</table>

This unit is for students who have a good command of both Chinese language and English who want to develop their translation and written communication skills applicable to business situations. The unit teaches basic translation theories and helps students develop their skills through a large amount of varied translation practice. The materials used for translation practice include general business correspondence and sample texts in areas of advertising and marketing. The introduction to business Chinese and English and the translation practice also helps students improve their skills in writing business documents.

#### AMB041 International Intensive Program

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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</thead>
<tbody>
<tr>
<td>HBB056</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SUM-2 (BLK)</td>
</tr>
</tbody>
</table>

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.

#### AMB042 International Summer School or Equivalent

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBB057</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SUM (BLK)</td>
</tr>
</tbody>
</table>

This is an intensive unit delivered by visiting Chinese academics that will present a unit on 'CONDUCTING Business with China'.

#### AMB043 In-Country Study - A

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>Other requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBB058</td>
<td>Subject to Unit Coordinator approval. Students are required to have completed (AMB031 or HBB031) and (AMB032 or HBB032), GPA of 4.5 or above and completion of 96 credit points of approved study.</td>
<td>48</td>
<td>null</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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

#### AMB044 In-Country Study - B

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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</thead>
<tbody>
<tr>
<td>HBB059</td>
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<td>2014 SEM-1 (INT)</td>
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</tbody>
</table>

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

#### AMB045 Chinese - English Translation for Business 1

<table>
<thead>
<tr>
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<th>Teaching Periods</th>
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</thead>
<tbody>
<tr>
<td>AMB047</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
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</table>

This unit is designed for students who have little or no prior knowledge of Mandarin Chinese 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; expression of family relations, and talking about nationalities, places, objects, locations and directions.

#### AMB046 Chinese - English Translation for Business 2

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
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<tbody>
<tr>
<td>AMB045</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

This is an intensive unit delivered by visiting Chinese academics that will present a unit on 'CONDUCTING Business with China'.
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.00213J

**AMB120 Bridging Cultures**

**Pre-requisites**
Completion of 96 credit points or more of study

**Anti-requisites**
AMB390

**Equivalents**
HHB001

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-2 (INT); 2014 6TP4 (INT)

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.

**AMB200 Consumer Behaviour**

**Pre-requisites**
BSB126 or CTB126 or BSB116 or BSB117

**Anti-requisites**
MB204

**Equivalents**
AMX200, CTB200

**Credit Points**
12

**Campus**
Gardens Point and Caboolture

**Teaching Periods**
2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

**AMB201 Marketing and Audience Research**

**Pre-requisites**
BSB126, CTB126, BSB116, or BSB117

**Anti-requisites**
MB305, MGB220, COB334

**Equivalents**
AMX201, CTB201

**Credit Points**
12

**Campus**
Gardens Point and Caboolture

**Teaching Periods**
2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

**AMB202 Integrated Marketing Communication**

**Pre-requisites**
BSB126 or CTB126 or BSB116 or BSB117

**Anti-requisites**
COB207, MB309

**Equivalents**
AMX202

**Credit Points**
12

**Campus**
Caboolture and Gardens Point

**Teaching Periods**
2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**AMB203 Independent Study**

**Pre-requisites**
COB206

**Anti-requisites**
Subject to Unit Coordinator Approval

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-2 (INT); 2014 SUM (INT)

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

**AMB204 Purchasing and Procurement**

**Pre-requisites**
BSB119 or CTB119

**Anti-requisites**
IBB312

**Equivalents**
AMX204

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-1 (INT)

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.

**AMB206 Social Marketing**

**Pre-requisites**
BSB126, CTB126, PUB104, BSB116, XNB151 or BSB117

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-2 (INT)

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.

**AMB207 Entertainment Marketing**

**Pre-requisites**
BSB126 or CTB126

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-2 (INT)

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.

**AMB208 Events Marketing**

**Pre-requisites**
BSB126 or CTB126

**Anti-requisites**
MB319

**Equivalents**
AMB354

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-1 (INT)

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.

**AMB209 Tourism Marketing**

**Pre-requisites**
BSB126 or CTB126
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.

**AMBS20 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.

**AMBS24 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.

**AMBS249 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.

**AMBS251 Innovation and Brand Management**

This unit covers the dynamics of product and service innovation within the marketing function of an organisation. Product and services 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, research and testing, new product financial analysis, branding and new product commercialisation.

**AMBS264 Public Relations Techniques**

AMBS264 Public Relations Techniques focuses on writing for audiences - including the media - on behalf of organisations. It introduces students to public relations skills such as research, developing key messages, writing, and editing. It also helps them develop an understanding of how media work. AMBS264 has been designed to be undertaken as part of the public relations major and minor. It may also be taken as a stand-alone unit by students in other disciplines. Note that students who enrol in this unit are assumed to have a high level of competency in written English. Students are also assumed to have basic knowledge of public relations: readings and other support material will be provided before the beginning of semester to help students attain that knowledge if required.

**AMBS300 Independent Project 1**

Please contact the School of AMPR for more information.
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AMB301 Independent Project 2
Other requisites Subject to Unit Coordinator Approval
Credit Points 12
Campus null
Teaching Periods 2014 SUM (INT)

Please contact the School of AMPR for more information.

AMB302 Project
Other requisites Subject to Unit Coordinator Approval
Credit Points 24
Campus Gardens Point
Teaching Periods 2014 SUM (INT)

Please contact the School of AMPR for more information.

AMB303 Logistics Operations
Pre-requisites AMB210
Equivalents AMX304
Credit Points 12
Teaching Periods Gardners Point

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.

AMB304 Internship
Other requisites Completed 192 credit points or more; major in advertising, international business or logistics, marketing or public relations; and GPA of 4.0 or higher. Placements must be approved by Unit Coordinator. Placements are minimum of 120 hours

AMB305 E-marketing Strategies
Pre-requisites AMB240 or CTB240, and AMB201 or CTB201
Equivalents AMX335
Credit Points 12
Teaching Periods Caboolture and Gardens Point

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.

**AMB336 International Marketing**

**Pre-requisites**
- AMB240, CTB240, AMB210, or IBB210

**Equivalents**
- AMX336, IBB213

**Credit Points**
- 12

**Campus**
- Gardens Point and Caboolture

**Teaching Periods**
- 2014 SEM-1 (INT); 2014 SEM-2 (INT); 2014 SUM (INT)

The aim of this unit is to provide students with a thorough understanding of the multiplicity of issues that impact on theory and practice 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.

**AMB339 Advertising Campaigns**

**Pre-requisites**
- AMB320 and AMB330

**Equivalents**
- AMB321, AMX339

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**AMB340 Services Marketing**

**Pre-requisites**
- AMB240 or CTB240, and AMB201 or CTB201

**Anti-requisites**
- MIB311

**Equivalents**
- AMX340, CTB340

**Credit Points**
- 12

**Campus**
- Caboolture and Gardens Point

**Teaching Periods**
- 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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 service and its influence on service satisfaction; service quality management and measurement; internationalisation of the service sector and distribution modes for services that reflect the international environment.

**AMB342 Strategic Procurement**

**Pre-requisites**
- AMB204

**Equivalents**
- AMX342

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-2 (INT)

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.

**AMB350 Business Development Management**

**Pre-requisites**
- AMB240 or CTB240 or AMB202 or COB207 or MIB217 or AMB249

**Anti-requisites**
- MIB320

**Equivalents**
- AMX350

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-2 (INT)

The dynamic change in the business development management arena forces businesses that want to achieve sustainable growth to rethink their approach to sales and customer relationship management. AMB350 will build on the students' own experiences to advance their theoretical knowledge and practical skills. This unit will cover a wide range of scenarios (industries/markets). Sales and relationship management processes will get examined from the management's point of view as well as from the professional sales person's point of view.

**AMB359 Strategic Marketing**

**Pre-requisites**
- AMB340, and AMB335 or AMB241

**Equivalents**
- AMB341, AMX359

**Credit Points**
- 12

**Campus**
- Gardens Point and Caboolture

**Teaching Periods**
- 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**AMB369 International Business Strategy**

**Pre-requisites**
- AMB336, AMB303, IBB303, or IBB213

**Equivalents**
- AMX369, IBB300

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**AMB372 Public Relations Planning**

**Pre-requisites**
- (AMB263 or AMB260) and AMB2841 or (AMB261 and AMB262)

**Equivalents**
- AMX372

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**AMB373 Issues, Stakeholders and Reputation**

**Pre-requisites**
- AMB263 or AMB260 and AMB264 or (AMB261 and AMB262)

**Equivalents**
- AMB360, AMX373

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-1 (INT); 2014 SEM-2 (INT)

Issues, Stakeholders and Reputation (AMB373) provides students with the opportunity to build on and apply their understanding of public relations to an in-house organisational role to anticipate and respond to issues that influence stakeholder relationships and organisational reputations. Corporate communication provides foundational skills and knowledge of the issues management process and decision making to understand and respond to stakeholder opinion.

**AMB374 Global Public Relations Cases**

**Pre-requisites**
- AMB372, AMB261, or AMB262

**Equivalents**
- AMB370, AMX374

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-1 (INT); 2014 SEM-2 (INT)

Global Public Relations Cases applies the theoretical underpinnings of broad public relations practice to particular practice areas, using case based learning. Analysis and discussion of real-world cases in local, national and international settings and the public relations responses will improve students' application of knowledge and public relations and strengthen students' decision-making and critical thinking skills.

**AMB375 Public Relations Management**

**Pre-requisites**
- AMB372 and AMB373, or AMB360

**Equivalents**
- AMX375

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-1 (INT); 2014 SEM-2 (INT)
Public Relations Management develops students' knowledge and skills in the development and management of public relations programs in an organisational setting. Key concepts relevant to the practice of public relations include corporate reputation, internal communication, organisational culture and change programs, corporate social responsibility, and issues and crisis management.

AMN400 Consumer Behaviour

- Anti-requisites: MIN419
- Equivalents: AMX400
- Credit Points: 12
- Campus: Gardens Point and External
- Teaching Periods: 2014 SEM-1 (INT, EXT); 2014 SEM-2 (INT, EXT)

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.

AMN401 Integrated Marketing Communication

- Anti-requisites: CON421
- Equivalents: AMX401
- Credit Points: 12
- Campus: Gardens Point and External
- Teaching Periods: 2014 SEM-1 (INT, EXT); 2014 SEM-2 (INT, EXT)

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.

AMN404 Readings in Integrated Marketing Communication

- Anti-requisites: CON416
- Equivalents: AMX404
- Credit Points: 12
- Campus: Gardens Point and External
- Teaching Periods: 2014 SEM-1 (INT, EXT); 2014 SEM-2 (INT, EXT); 2014 SUM (INT, EXT)

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.

AMN405 Cases in Integrated Marketing Communication

- Anti-requisites: AMX405
- Credit Points: 12
- Campus: Gardens Point and External
- Teaching Periods: 2014 SEM-1 (INT, EXT); 2014 SEM-2 (INT, EXT)

This unit provides students with the opportunity to support the descriptive and predictive information needs of marketing 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.

AMN406 Project

- Anti-requisites: CON405
- Equivalents: AMX406
- Credit Points: 24
- Campus: Gardens Point and External
- Teaching Periods: 2014 SEM-1 (INT, EXT); 2014 SEM-2 (INT, EXT); 2014 SUM (INT, EXT)

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 may 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.

AMN411 Independent Study

- Other requisites: Subject to Unit Coordinator Approval
- Credit Points: 12
- Campus: Gardens Point
- Teaching Periods: 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

AMN420 Advertising Management

- Anti-requisites: CON417
- Equivalents: AMX420
- Credit Points: 12
- Campus: Gardens Point and External
- Teaching Periods: 2014 SEM-1 (INT, EXT); 2014 SEM-2 (INT, EXT)

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.

AMN421 Contemporary Issues in Advertising

- Anti-requisites: CON412
- Equivalents: AMX421
- Credit Points: 12
- Campus: Gardens Point and External
- Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (EXT, INT)

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.

AMN422 Media Strategy

- Anti-requisites: CON418
- Equivalents: AMX422
- Credit Points: 12
- Campus: Gardens Point and External
- Teaching Periods: 2014 SEM-1 (EXT, INT)

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.

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.

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.

AMN431 Marketing Internationally

This 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.

AMN442 Research Methods in Marketing

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.

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.

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; the definition, measurement and implementation of customer-focused marketing programs in service industries; and the establishment and maintenance of relationships with customers.

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.

AMN447 Contemporary Issues in Marketing

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/. CRICOS No.00213J
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.

**AMN460 Corporate and Investor Relations**

**Anti-requisites:** CON409  
**Equivalents:** AMX460  
**Credit Points:** 12  
**Campus:** Gardens Point and External  
**Teaching Periods:** 2014 SEM-2 (EXT, INT)

This unit explores aspects of the public relations function in corporate communication contexts, with a focus on the intersection of theory and professional practice. There is consideration of legal, regulatory and governance requirements for organisations, and the influence on public relations strategy, planning and tactics.

**AMN461 Corporate Media Strategy and Tactics**

**Anti-requisites:** CON424  
**Equivalents:** AMX461  
**Credit Points:** 12  
**Campus:** Gardens Point and External  
**Teaching Periods:** 2014 SEM-1 (INT, EXT); 2014 SEM-2 (INT, EXT)

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 news media across paid, owned, earned and shared platforms. Students will produce a media strategy rationale and a digital media portfolio encompassing a range of media kit tools such as media releases, fact sheets, and photo opportunities.

**AMN462 Community Consultation and Engagement**

**Equivalents:** AMX462  
**Credit Points:** 12  
**Campus:** Gardens Point and External  
**Teaching Periods:** 2014 SEM-2 (EXT, INT)

This unit introduces students to the key public relations engagement strategies of information, consultation, and participation, and develops their understanding of the theoretical foundations of these strategies. It provides students with the skills and knowledge to identify the expectations stakeholders have of organisational engagement; and to develop appropriate public relations communication programs based on strategies of information, consultation and/or participation in response. Ethical practice is a key organising framework for this unit.

**AMN465 Public Relations Management**

**Anti-requisites:** CON415

**AMN467 Public Relations Campaigns**

**Equivalents:** AMX467  
**Credit Points:** 12  
**Campus:** Gardens Point and External  
**Teaching Periods:** 2014 SEM-2 (EXT, INT)

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.

**AMN468 Issues and Crisis Management**

**Anti-requisites:** CON408  
**Equivalents:** AMX468  
**Credit Points:** 12  
**Campus:** Gardens Point and External  
**Teaching Periods:** 2014 SEM-1 (INT, EXT)

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.

**AMX033 Mandarin 3 (Outbound Exchange)**

**Equivalents:** AMB033  
**Credit Points:** 12  
**Campus:** EXCHANGE, Gardens Point and External  
**Teaching Periods:** 2014 SEM-1 (EXT), 2014 SEM-2 (EXT), 2014 XCH-2 (EXT), 2014 XCH-1 (EXT)

**AMX034 Mandarin 4 (Outbound Exchange)**

**Equivalents:** AMB034  
**Credit Points:** 12  
**Campus:** EXCHANGE, Gardens Point and External  
**Teaching Periods:** 2014 SEM-1 (EXT), 2014 SEM-2 (EXT), 2014 XCH-2 (EXT), 2014 XCH-1 (EXT)

**AMX035 Mandarin 5 (Outbound Exchange)**

**Equivalents:** AMB035  
**Credit Points:** 12  
**Campus:** EXCHANGE, Gardens Point and External  
**Teaching Periods:** 2014 SEM-1 (EXT), 2014 SEM-2 (EXT), 2014 XCH-2 (EXT), 2014 XCH-1 (EXT)

**AMX036 Mandarin 6 (Outbound Exchange)**

**Equivalents:** AMB036  
**Credit Points:** 12  
**Campus:** EXCHANGE, Gardens Point and External  
**Teaching Periods:** 2014 SEM-1 (EXT), 2014 SEM-2 (EXT), 2014 XCH-2 (EXT), 2014 XCH-1 (EXT)

**AMX037 Mandarin 7 (Outbound Exchange)**

**Equivalents:** AMB037  
**Credit Points:** 12  
**Campus:** EXCHANGE and External  
**Teaching Periods:** 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

**AMX038 Mandarin 8 (Outbound Exchange)**

**Equivalents:** AMB038  
**Credit Points:** 12  
**Campus:** EXCHANGE and External  
**Teaching Periods:** 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)
## Units

### AMX200 Consumer Behaviour (Outbound Exchange)
- **Equivalents**: AMB200
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

### AMX201 Marketing and Audience Research (Outbound Exchange)
- **Equivalents**: AMB201
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

### AMX202 Integrated Marketing Communication (Outbound Exchange)
- **Equivalents**: AMB202
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

### AMX204 Purchasing and Procurement (Outbound Exchange)
- **Pre-requisites**: BSB119 or CTB119
- **Anti-requisites**: IBB312
- **Equivalents**: AMB204
- **Credit Points**: 12
- **Campus**: External
- **Teaching Periods**: 2014 XCH-2 (EXT)

### AMX210 Importing and Exporting (Outbound Exchange)
- **Equivalents**: AMB210
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

### AMX220 Advertising Theory and Practice (Outbound Exchange)
- **Equivalents**: AMB220
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

### AMX230 Digital Promotions (Outbound Exchange)
- **Pre-requisites**: BSB126, CTB126, or BSB112
- **Anti-requisites**: COB208
- **Equivalents**: AMB230
- **Credit Points**: 12
- **Campus**: External
- **Teaching Periods**: 2014 XCH-2 (EXT)

### AMX240 Marketing Planning and Management (Outbound Exchange)
- **Equivalents**: AMB240
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

### AMX250 Innovation and Brand Management (Outbound Exchange)
- **Pre-requisites**: BSB126, BSB116, or CTB126
- **Anti-requisites**: MIB227
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

### AMX254 Logistics Operations (Outbound Exchange)
- **Pre-requisites**: AMB210
- **Credit Points**: 12
- **Campus**: External
- **Teaching Periods**: 2014 XCH-2 (EXT)

### AMX263 Introduction to Public Relations (Outbound Exchange)
- **Equivalents**: AMB263
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

### AMX300 International Logistics (Outbound Exchange)
- **Equivalents**: AMB300
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

### AMX304 Media Planning (Outbound Exchange)
- **Equivalents**: AMB304
- **Credit Points**: 12
- **Campus**: External
- **Teaching Periods**: 2014 XCH-2 (EXT)

### AMX308 Digital Portfolio (Outbound Exchange)
- **Equivalents**: AMB308
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT)
### Units

| Teaching Periods | Credit Points | Equivalents | Pre-requisites | Anti-requisites | Am
|------------------|---------------|-------------|----------------|----------------|----|
| 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) | 12 | AMB204 | AMB342 | AMB202, AMB220, AMB240, CTB240, or AMB249 | AMX342 Strategic Procurement (Outbound Exchange)

This exchange unit is only available for selection to students on an approved exchange program.

| Teaching Periods | Credit Points | Am
|------------------|---------------|----|
| 2014 XCH-2 (EXT) | 12 | AMB374 | AMX374 Global Public Relations Cases (Outbound Exchange)

This exchange unit is only available for selection to students on an approved exchange program.

| Teaching Periods | Credit Points | Am
|------------------|---------------|----|
| 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) | 12 | AMB350 | AMX350 Sales and Customer Relationship Management (Outbound Exchange)

This exchange unit is only available for selection to students on an approved exchange program.

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| Teaching Periods | Credit Points | Am
|------------------|---------------|----|
| 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) | 12 | AMB359 | AMX359 Strategic Marketing (Outbound Exchange)

This exchange unit is only available for selection to students on an approved exchange program.

| Teaching Periods | Credit Points | Am
|------------------|---------------|----|
| 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) | 12 | AMB369 | AMX369 International Business Strategy (Outbound Exchange)

This exchange unit is only available for selection to students on an approved exchange program.

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| Teaching Periods | Credit Points | Am
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| 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) | 12 | AMB372 | AMX372 Public Relations Planning (Outbound Exchange)

This exchange unit is only available for selection to students on an approved exchange program.

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| Teaching Periods | Credit Points | Am
|------------------|---------------|----|
| 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) | 12 | AMB373 | AMX373 Corporate Communication (Outbound Exchange)

This exchange unit is only available for selection to students on an approved exchange program.
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<th>AMX405 Cases in Integrated Marketing Communication (Outbound Exchange)</th>
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### AMX430 International Logistics Management (Outbound Exchange)
- **Equivalents**: AMN430
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

### AMX431 Marketing Internationally (Outbound Exchange)
- **Equivalents**: AMN431
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

### AMX432 Marketing Management (Outbound Exchange)
- **Equivalents**: AMN432
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

### AMX433 Product and Service Innovation (Outbound Exchange)
- **Equivalents**: AMN433
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

### AMX434 Services Marketing (Outbound Exchange)
- **Equivalents**: AMN444
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

### AMX435 Strategic Marketing Management (Outbound Exchange)
- **Equivalents**: AMN445
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

### AMX436 Contemporary Issues in Marketing (Outbound Exchange)
- **Equivalents**: AMN447
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

### AMX437 Corporate and Investor Relations (Outbound Exchange)
- **Equivalents**: AMN460
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

### AMX438 Corporate Media Strategy and Tactics (Outbound Exchange)
- **Equivalents**: AMN461
- **Credit Points**: 12
- **Campus**: EXCHANGE and External

This exchange unit is only available for selection to students on an approved exchange program.
This exchange unit is only available for selection to students on an approved exchange program.

AMX462 Community Consultation and Engagement (Outbound Exchange)

| Equivalents | AMN462 |
| Credit Points | 12 |
| Campus | EXCHANGE and External |
| Teaching Periods | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |

This exchange unit is only available for selection to students on an approved exchange program.

AMX465 Public Relations Management (Outbound Exchange)

| Equivalents | AMN465 |
| Credit Points | 12 |
| Campus | EXCHANGE and External |
| Teaching Periods | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |

This exchange unit is only available for selection to students on an approved exchange program.

AMX467 Public Relations Campaigns (Outbound Exchange)

| Equivalents | AMN467 |
| Credit Points | 12 |
| Campus | EXCHANGE and External |
| Teaching Periods | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |

This exchange unit is only available for selection to students on an approved exchange program.

AMX468 Issues and Crisis Management (Outbound Exchange)

| Equivalents | AMN468 |
| Credit Points | 12 |
| Campus | EXCHANGE and External |
| Teaching Periods | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |

This exchange unit is only available for selection to students on an approved exchange program.

AYB114 Forensic Digital Analysis

| Anti-requisites | BSB212, CTB212 |
| Credit Points | 12 |
| Campus | Gardens Point |
| Teaching Periods | 2014 SEM-1 (INT) |

The rise of the Internet and the rapid development of technological applications is significantly changing the way in which business is being conducted, how fraud is occurring, and, consequently, how forensic accountants investigate and analyse digital data. The technologies that impact on business operations and fraud investigation include Office technologies, Social Media, Mobile applications, Virtual technologies and Cloud Computing. In addition, a significant increase in the use of mobile devices has implications for businesses and for the way forensic accountants investigate fraud related issues. Therefore, although these tools are enabling businesses to create new business process and product/service opportunities that transcend the barriers of distance and time, they have also enabled the ways in which fraud can be perpetrated. This unit introduces students to the ways in which a myriad of digital data can be investigated and analysed. In addition, students will be able to recognise the new data risks and governance issues facing organisations in the digital age. Studying a variety of these technological developments and software used to analyse data emanating from the various technologies will provide students with up-to-date tools and techniques used in forensic investigation.

AYB115 Governance, Fraud and Investigation

| Equivalents | BSB213 |
| Credit Points | 12 |
| Campus | Gardens Point |
| Teaching Periods | 2014 SEM-1 (INT) |

Governance issues and fraud have an increasingly large impact on business. When implementing business strategies, professionals in all sectors of the economy are confronted by a wide range of governance issues because of the electronic and global nature of their business operations. Fraud is an ever present problem in a technology driven business environment and understanding how fraud occurs and can be prevented and detected is becoming a necessity for business operations. Business professionals need to have an understanding of the IT governance issues, be familiar with risk management, fraud detection and prevention, gathering evidence and have an understanding of legal issues that arise due to business use of technologies.

AYB200 Financial Accounting

| Pre-requisites | BSB110 or CTB110 |
| Equivalents | AYB121, AYX200 |
| Credit Points | 12 |
| Campus | Gardens Point and Caboolture |
| Teaching Periods | 2014 SEM-1 (INT); 2014 SEM-2 (INT); 2014 SUM (INT) |

Financial Accounting examines the accounting concepts and procedures for the preparation of external financial reports relevant to both partnership and corporate structures within the context of the Australian accounting profession's conceptual framework, the relevant accounting standards, and Corporations Law requirements. Topics include: the formation, operation, and financial reporting requirements for both partnerships and companies; accounting for leases; and the professional role of accountants.

AYB205 Law of Business Entities

| Pre-requisites | BSB111 or CTB111 |
| Anti-requisites | AYB223 |
| Equivalents | AYB305 |
| Credit Points | 12 |
| Campus | Gardens Point |
| Teaching Periods | 2014 SEM-1 (INT); 2014 SEM-2 (INT) |

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 (i.e.,
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.

**AYB227 International Accounting**

- **Pre-requisites**: BSB110 or CTB110, and BSB119 or CTB119
- **Equivalents**: AYX227
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

International Accounting is designed to provide students with an insight into, and an appreciation of, many of the financial accounting and reporting issues faced in an international business environment. Issues examined include: comparative international accounting systems and practices; cultural influences on financial accounting and reporting; international accounting and auditing standards; reporting and comparative international auditing and tax issues in the twenty-first century. The unit also examines the impact of international harmonisation of accounting standards on multinational corporations and the investment communities worldwide.

**AYB230 Corporations Law**

- **Pre-requisites**: BSB111 or CTB111
- **Anti-requisites**: LWB334
- **Equivalents**: AYX230
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**AYB232 Financial Services Regulation and Law**

- **Pre-requisites**: BSB111 or CTB111
- **Equivalents**: AYB312
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

This subject looks at the laws and regulations applicable to corporate securities and financial services in Australia, examines disclosure obligations in prospectus and financial products, ASX listing rules, takeovers, and market misconduct.

**AYB240 Superannuation Regulation and Practice**

- **Pre-requisites**: BSB110 or CTB110, and BSB111 or CTB111
- **Equivalents**: AYX240
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**AYB250 Personal Financial Planning**

- **Pre-requisites**: (BSB111 or CTB111) and (BSB110 or CTB110) and EFB210, EFB210 can be enrolled in the same teaching period.
- **Anti-requisites**: AYB335, EFB230, EFB339
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

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.

**AYB301 Audit and Assurance**

- **Pre-requisites**: (AYB221 or INB120) and (AYB340 or AYB320)
- **Equivalents**: AYX301
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT); 2014 SUM (INT)

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.

**AYB311 Financial Accounting Issues**

- **Pre-requisites**: AYB340 or AYB220
- **Equivalents**: AYX311
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit examines accounting theories and reporting practices adopted in the financial statements of reporting entities, focusing on publicly listed companies that communicate information to meet the decision making needs of external parties. Emphasis is placed on developing an understanding of, and the ability to critically evaluate, how regulatory requirements and incentives affect financial reporting. The unit overviews the different governance models of corporations and relates them to their financial reporting environment. Touching on accounting theories and their evolution it seeks to explain accounting policies made by managers. This framework provides a basis for examining specific accounting issues with a emphasis on both the application of specific accounting measurement models (historic cost versus fair value) or regulatory provisions (continuous disclosure requirements). The unit concludes by analysing some of the most recurrent issues of debate in the international arena.

**AYB320 Advanced Taxation Law**

- **Pre-requisites**: AYB219 or AYB325
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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, taxation 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.

**AYB321 Strategic Management Accounting**

- **Pre-requisites**: AYB225
- **Equivalents**: AYX321
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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) and the balanced scorecard (BSC); and appreciating the research on the benefits and problems with ABC and the BSC.

**AYB338 Accountancy Work Placement**

- **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
AYB339 Accountancy Capstone

Pre-requisites
AYB200 or AYB340 and AYB311, OR (AYB220 or AYB340 and AYB321)

Anti-requisites
AYN520

Equivalents
AYX339

Credit Points
12

Campus
Gardens Point

Teaching Periods
2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit 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. AYB 339 takes a very practical, hands-on approach with students working together in groups of between four and five discussing and solving simulated real-world client problems. Throughout the unit, students take on the persona of a professional advisor/consultant. The teaching staff will take on the role of the client. Based on a problem-based learning (PBL) methodology, students will learn the process of how to deal with the real-world accounting problems that graduates would typically be expected to encounter in their first year working within a public accounting firm. These problems require students to work together in teams, research issues, gather information and form conclusions.

AYB340 Company Accounting

Pre-requisites
AYB200 or AYB121

Equivalents
AYX340

Credit Points
12

Campus
Gardens Point and Caboolture

Teaching Periods
2014 SEM-1 (INT), 2014 SEM-2 (INT), 2014 SUM (INT)

This unit includes: 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 various disclosure oriented accounting standards; accounting for income tax; accounting for the acquisition of assets (including entities); the preparation of consolidated financial statements; accounting for investments in associates; segment reporting; the translation of the results of foreign operations; and liquidation.

AYB341 Forensic and Business Intelligence

Pre-requisites
AYB114, BSB124, or BSB114

Credit Points
12

Campus
Gardens Point

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.

AYN414 Cost and Management Accounting

Pre-requisites
AYN416 Can be enrolled in the same teaching period.

Credit Points
12

Campus
Gardens Point and External

Teaching Periods
2014 SEM-1 (INT, EXT); 2014 SEM-2 (INT, EXT)

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.

AYN415 External Reporting Issues

Pre-requisites
AYN417 and AYN418

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

Credit Points
12

Campus
Gardens Point

Teaching Periods
2014 SEM-1 (INT); 2014 SEM-2 (INT)

External reporting issues integrates the technical skills developed in prior financial accounting units by considering the issues relating to the application of accounting techniques, within an economic and conceptual framework. The aim of this unit is to expose students to a number of contemporary issues in external reporting.

AYN416 Financial Accounting 1

Pre-requisites
AYN416

Credit Points
12

Campus
Gardens Point and External

Teaching Periods
2014 SEM-1 (INT, EXT); 2014 SEM-2 (INT, EXT)

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 enterprises; the preparation of general purpose financial reports, cash management and control, non-current assets and statement of cash flows.

AYN417 Financial Accounting 2

Pre-requisites
AYN416

Credit Points
12

Campus
Gardens Point and External

Teaching Periods
2014 SEM-1 (INT, EXT); 2014 SEM-2 (INT, EXT)

This unit examines the life cycle of a corporate entity and investigates accounting issues relating to the registration, funding, expansion and termination of a corporate entity. It covers an overview of the statutory requirements of the Corporations Act 2001 relating to the registration of a company; an overview of the statutory requirements that dictate the format and content of published financial reports of companies; the preparation of consolidated financial statements. The unit also examines the statutory requirements that dictate the termination of a company’s life and the accounting procedures necessitated by winding up/liquidation.

AYN418 Financial Accounting 3

Pre-requisites
AYN416

Credit Points
12

Campus
Gardens Point and External

Teaching Periods
2014 SEM-1 (INT, EXT); 2014 SEM-2 (INT, EXT)

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 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.

AYN424 International Accounting

Credit Points
12

Campus
Gardens Point

Teaching Periods
2014 SEM-1 (INT); 2014 SEM-2 (INT)

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; international comparative auditing issues for global corporations; international business issues into the twenty-first century such as global corporate governance and strategy and international taxation.
AYN426 International Capital Markets Law and Regulation

**Pre-requisites**
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 Periods**
2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit focuses on the regulation of global capital markets. The material covered is broad-based and includes the history, philosophy and economics of capital markets and the regulatory models used by governments. The Global Financial Crisis is reviewed in depth including a review of some of the firms seriously affected by the GFC. Applied capital market regulation is discussed in the context of margin leading, documentary credits and factoring. The Australian Prudential System is discussed in relation to systems in other economies. The Australian Corporations Act is used to provide a foundation in corporate law and regulation for comparison with other regulatory environments. The unit also covers corporate misfeasance; the fundamentals of the Principal-Agent problem; an introduction to the major regulators in the global environment; and the regulation of financial instruments.

AYN442 Superannuation and Wealth Management

**Pre-requisites**
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

**Teaching Periods**
2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

AYN433 Research Topics in Accounting

**Pre-requisites**
AYN417 and AYN418

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-1 (INT)

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.

AYN438 Taxation Law and Practice

**Pre-requisites**
AYN410 or AYN456

**Credit Points**
12

**Campus**
Gardens Point and External

**Teaching Periods**
2014 SEM-1 (INT); 2014 SEM-2 (INT)

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 also provides a brief overview of the taxation of partnerships, trusts and companies and an overview of the goods and services tax. Emphasis is placed on developing students’ skills in problem solving through research and analysis of taxation issues.

AYN443 Electronic Commerce Cycles

**Pre-requisites**
AYN416

**Anti-requisites**
AYN421, AYN402

**Credit Points**
12

**Campus**
Gardens Point and External

**Teaching Periods**
2014 SEM-1 (INT, EXT); 2014 SEM-2 (INT, EXT)

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 and database software such as Access.

AYN453 Financial Forensics and Business Intelligence

**Pre-requisites**
AYN443

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

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-1 (INT); 2014 SEM-2 (INT)

As a 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 MS Access, MS Excel and SAS Enterprise Guide 4.3 to mine and analyse data sets to assist managerial decision making and aid in fraud detection. Applications for financial forensics and business intelligence are emphasised.

AYN454 Forensic Accounting and Investigation

**Pre-requisites**
AYN417 and AYN418

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.

AYN506 Strategic Management Accounting

**Pre-requisites**  
AYN414 and AYN417

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

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<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
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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 using the 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.

AYN507 Governance Issues in Accounting

**Pre-requisites**  
AYN417 and AYN418

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

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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.

AYN520 Integrated Issues in Professional Practice

**Pre-requisites**  
AYN417 and AYN418

**Anti-requisites**  
AYB339

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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 using problem-based learning (PBL). 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.

AYX200 Financial Accounting (Outbound Exchange)

**Equivalents**  
AYB200

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<td>12</td>
<td>EXCHANGE and External</td>
<td>2014 XCH-2 (EXT); 2014 XCH-1 (EXT)</td>
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This exchange unit is only available for selection to students on an approved exchange program.

AYX209 Taxation Law (Outbound Exchange)

**Equivalents**  
AYB219

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<td>EXCHANGE and External</td>
<td>2014 XCH-2 (EXT); 2014 XCH-1 (EXT)</td>
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This exchange unit is only available for selection to students on an approved exchange program.

AYX211 Computerised Accounting Systems (Outbound Exchange)

**Equivalents**  
AYB221

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</table>

This exchange unit is only available for selection to students on an approved exchange program.

AYX230 Corporations Law (Outbound Exchange)

**Pre-requisites**  
BSB111 or CTB111

**Equivalents**  
AYB230

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<td>External</td>
<td>2014 XCH-2 (EXT)</td>
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This exchange unit is only available for selection to students on an approved exchange program.

AYX250 Personal Financial Planning (Outbound Exchange)

**Pre-requisites**  
(BSB111 or CTB111) and (BSB110 or CTB110) and EFB210. EFB210 can be enrolled in the same teaching period.

**Anti-requisites**  
AYB335, EFB230, EFB339

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AYX301 Audit and Assurance (Outbound Exchange)

**Equivalents**  
AYB301

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<td>2014 XCH-2 (EXT); 2014 XCH-1 (EXT)</td>
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AYX311 Financial Accounting Issues (Outbound Exchange)

**Equivalents**  
AYB311

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<td>EXCHANGE and External</td>
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AYX321 Strategic Management Accounting (Outbound Exchange)

**Pre-requisites**  
AYB225

**Equivalents**  
AYB211

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This exchange unit is only available for selection to students on an approved exchange program.

AYX339 Accountancy Capstone (Outbound Exchange)

**Equivalents**  
AYB339

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<td>2014 XCH-2 (EXT); 2014 XCH-1 (EXT)</td>
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This exchange unit is only available for selection to students on an approved exchange program.
BEB112 Principle of Project Management

This unit introduces students to the use of parametric geometry systems that are used in early stages of design. These systems allow the creation and manipulation of complex geometry and form through the definition of parameters and modelling of associative relationships, to provide users with greater control over their designs. They are used by major design firms such as Zaha Hadid and Frank Gehry (architecture), SOM (architecture/engineering) and Arup (engineering).

BEB2114 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.

BEB2201 Project 1

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.

BEB213 Sustainable Design Systems

This subject familiarises students with concepts concerning building performance and how they inform design considerations during conceptual exploration. Software and tools that allow different aspects of sustainability to be analysed in the early design stages will be introduced to demonstrate how performance considerations can influence form-finding. This will contribute to the development of more holistic approaches to design that result in more sustainable building outcomes.

BEB212 Advanced Collaboration

New digital technologies are transforming practice for all building and construction professionals through the use of data rich integrated models that can be used over the whole building life-cycle. This unit uses a range of Building Information Modelling (BIM) tools to demonstrate this transformation through advanced digital collaboration.

AYX340 Company Accounting

(Outbound Exchange)

This exchange unit is only available for selection to students on an approved exchange program.

AYX424 International Accounting

(Outbound Exchange)

This exchange unit is only available for selection to students on an approved exchange program.
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 in 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.

### BEN806 Project 1

**Equivalents**  
CEB411, CEB420, CNB434, EEB781-1, EEB889-1

**Credit Points**  
12

**Campus**  
Gardens Point

**Teaching Periods**  
2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

### BEN807 Project 2

**Equivalents**  
CEB415, EEB782-2, EEB889-2

**Credit Points**  
12

**Campus**  
Gardens Point

**Teaching Periods**  
2014 SEM-1 (INT)

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.

### BEN901 Integrated Project

**Credit Points**  
12

**Campus**  
Gardens Point

**Teaching Periods**  
2014 SEM-1 (INT); 2014 SEM-2 (INT)

**Equivalents**

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.

### BEN902 Integrated Project

**Credit Points**  
12

**Campus**  
Gardens Point

**Teaching Periods**  
2014 SEM-1 (INT); 2014 SEM-2 (INT)

### BEN610 Project Management Principles

**Credit Points**  
12

**Campus**  
Gardens Point

**Teaching Periods**  
2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

### BEN710 Sustainable Practice in Built Environment and Engineering

**Credit Points**  
12

**Campus**  
null

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.

### BEN810 Research Methods For Built Environment and Engineering

**Credit Points**  
12

**Campus**  
null

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.00213J
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.

**BSB126 Marketing**

- **Anti-requisites**: BSB116, BSB126
- **Equivalents**: BSB116, BSB126, CTB126
- **Credit Points**: 12
- **Campus**: Caboolture and Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

BSB126 Marketing is an introductory unit that 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, customer value 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.

**BSB200 Project**

- **Credit Points**: 24
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SUM (INT)

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.

**BSB302 Project 2**

- **Credit Points**: 24
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SUM (INT)

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.

**BSB305 Asian Century Growth: Work Integrated Learning Program**

- **Pre-requisites**: Completion of 192 credit points
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

The program leverages the cultural knowledge of overseas student participants and creates a collaborative mentoring environment - where the corporate mentors stand to learn as much as the students. The aim is to challenge the status quo and develop Asia focused growth options.

**BSB303 Internship (Caboolture)**

- **Anti-requisites**: MGB338
- **Other-requisites**: Subject to Unit Coordinator approval and 96 credit points of prior studies
- **Credit Points**: 12
- **Campus**: Caboolture
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit for Caboolture-enrolled students only offers a self-directed learning experience with the opportunity to utilise your discipline skills in problem definition, research and development of strategies for effective implementation. You will be provided with guidance from the unit coordinator in the course of your project or placement, but you will have the main responsibility for achieving appropriate and relevant outcomes to meet the unit’s requirements and the client’s needs. Application of professional standards and ethical conduct in the project are to be maintained at all times. (Caboolture-enrolled students in other discipline areas who wish to undertake a work placement should contact their Subject Area Coordinator directly for more information).

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.00213J
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.

BSN404 Project 1

- **Anti-requisites**: MKN101, MKN102, MKN103
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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

BSN405 Project 2

- **Anti-requisites**: MKN101, MKN102, MKN104
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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

BSN406 Project 3

- **Credit Points**: 24
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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

BSN409 Research Project

- **Credit Points**: 24
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

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.

BSN412 Qualitative Research and Analytical Techniques

- **Anti-requisites**: CON500
- **Credit Points**: 12
- **Campus**: Gardens Point

This unit provides an introduction to qualitative research and analytical techniques. It will provide students with a comprehensive understanding of the principles, methods and techniques used in qualitative research and analysis.

BSN005 Introduction to Academic Research

- **Credit Points**: 12

This unit introduces students to the key foundation principles of marketing, marketing strategies and tactics in order to adapt and respond to a continuously changing marketplace. To introduce students to the basic concepts of the related disciplines of advertising, marketing and public relations and how they relate to the wants and needs of consumers. To develop the practical consumer skills of the students and develop an appreciation of the role of communication in business.

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/. CRICOS No.00213J
### BSX110 Accounting (Outbound Exchange)

**Equivalents**
- BSB110

**Credit Points**
- 12

**Campus**
- EXCHANGE and External

**Teaching Periods**
- 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

### BSX111 Business Law and Ethics (Outbound Exchange)

**Equivalents**
- BSB111

**Credit Points**
- 12

**Campus**
- EXCHANGE and External

**Teaching Periods**
- 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

### BSX113 Economics (Outbound Exchange)

**Equivalents**
- BSB113

**Credit Points**
- 12

**Campus**
- EXCHANGE and External

**Teaching Periods**
- 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

### BSX115 Management (Outbound Exchange)

**Equivalents**
- BSB115

**Credit Points**
- 12

**Campus**
- EXCHANGE and External

**Teaching Periods**
- 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

### BSX119 Global Business (Outbound Exchange)

**Equivalents**
- BSB119

**Credit Points**
- 12

**Campus**
- EXCHANGE and External

**Teaching Periods**
- 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

### BSX123 Data Analysis (Outbound Exchange)

**Equivalents**
- BSB123

**Credit Points**
- 12

**Campus**
- EXCHANGE and External

**Teaching Periods**
- 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

### BSX124 Working in Business (Outbound Exchange)

**Equivalents**
- BSB124

**Credit Points**
- 12

**Campus**
- EXCHANGE and External

**Teaching Periods**
- 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

### BSX126 Marketing (Outbound Exchange)

**Equivalents**
- BSB126

**Credit Points**
- 12

**Campus**
- EXCHANGE and External

**Teaching Periods**
- 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.
BVB101 Foundations of Biology
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

Biology is the study of living things. But what is “living”? Cells are considered the basic structural unit of life, existing in diverse forms from simple single-celled microbes to complex multicellular organisms such as plants and animals. Using collaborative approaches in workshops and the laboratory you will investigate the diverse nature of cells and consider how they are built and powered and how they interact and reproduce. You will use the concepts developed in this unit to discuss more complex questions such as “are viruses alive” and “can we synthesise life”?

Pre-requisites: SEB113 or MAB101 or MAB141 or MXB101
Equivalents: NQB421
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

This unit provides you with an introduction to the classification of bioactive compounds according to the various physiological systems they influence, such as the cardiovascular system, nervous system and respiratory system. The principles of drug action will be discussed, including the concepts of drug specificity, potency and efficacy. These principles will facilitate a basic understanding of toxicology, the development drug tolerance, addiction and withdrawal. The unit will be taught in the context human and veterinary medicine, as well as the use of drugs in sport, as poisons, or as food or environmental contaminants. The unit complements ‘Drug Discovery and Design’ offered in the same semester.

Pre-requisites: BVB101
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

This unit provides an introduction to the science of marine biology by providing an overview of the diversity of marine species and an examination of marine ecosystems and their different forms and extent. The unit highlights the multidisciplinary nature of marine ecology and identifies the properties of marine systems that are important when considering their conservation and management.

Pre-requisites: BVB101 or BVB102 or SCB112
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

This unit examines the diversity and evolution of vertebrates. There is a focus on field- and lab-based identification and understanding of Australian vertebrates, set within the broader context of the global fauna, both extant and extinct. The unit encompasses various aspects of vertebrate life on planet earth: behaviour, phylogeny, physiology, morphology, taxonomy and management.

Pre-requisites: BVB101 or BVB102 or EVB102 or SCB112
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)
### Bioinformatics

**BVB327 Comparative and Evolutionary Genomics**
- **Pre-requisites**: BVB314
- **Credit Points**: 12
- **Campus**: null

Biological scientists are currently turning to genomic approaches to improve agricultural practices, develop better drugs, understand the genetic basis of disease and manage endangered or invasive species. This unit showcases variation in genomic structure and function across life. Students will use data from active research programs to evaluate and analyse genomic and phylogenetic datasets and see how this information can be applied to solve key problems in the biological sciences.

**BVB328 Applications in Biotechnology**
- **Pre-requisites**: BVB101 and BVB201 and BVB317
- **Credit Points**: 12
- **Campus**: null

Biotechnology is the area of research and development using biological and cellular systems to produce many kinds of products that are used in different applications. Many everyday household living, at research institutions/organizations, as well as in different biotechnological companies and industries. Some specific examples of products and applications in Biotechnology include the use of yeast for dough rising (leavening) during bread making, using yeast in the fermentation and production of alcohol, use of filamentous fungi to produce enzymes that hydrolyse woody biomass to fermentable sugars, use of enzymes in laundry detergents, use of bacteria or animal cell cultures to produce proteins/antibodies for diagnostic kits in disease monitoring and control, application of genetic manipulation, recombinant gene technology and biochemical pathway engineering to obtain better performing/performing microorganisms and animal cell cultures, drought/disease resistant and more nutritious plants, and much more.

**BVB210 Biological Sciences**
- **Credit Points**: 12
- **Campus**: null

Cells are the basic structural unit of life. They exist in diverse forms from simple single-celled microbes to complex multicellular organisms such as plants and animals. In this unit you will investigate the diverse nature of cells and consider how they are built and powered and how they interact and reproduce. You will extend these foundation concepts to examine more complex problems involving molecular biology, plant and animal biology, and ecology.

**CAB201 Programming Principles**
- **Pre-requisites**: IFB104 or ENB246 or MXB103 or INB104
- **Equivalents**: INB270, IND270
- **Credit Points**: 12

This unit introduces you to basic mathematical principles which underlie all computing systems, thus giving you a deeper appreciation for the way computing technology works. All established technological disciplines have a sound theoretical foundation and Information Technology is no different. Discrete Structures concerns the branches of mathematics and the formalisms especially relevant to Computer Science. It covers topics such as set theory, relations and functions, formal logic, regular languages, finite-state automata and information theory. These formalisms define the principles underlying programming language semantics, relational database operators, secure digital communication, and so on. An understanding of these topics gives you a deep appreciation for why computer systems and languages are designed and work the way they do. This unit reinforces each of these topics in separate modules, thus providing a broadoverview of the field.

**CAB202 Microprocessors and Digital Systems**
- **Pre-requisites**: IFB102 or ENB240 or INB102
- **Credit Points**: 12
- **Campus**: Gardens Point

This unit introduces you to the components inside a computer and how these components work together. Modern digital electronic systems rely on embedded microcomputers in order to achieve the level of sophistication present in today’s applications. The design and development of such systems requires knowledge of the hardware and software to program the system. This unit identifies these design requirements and lets you develop embedded microcontroller-based system solutions. In particular, the unit covers computer instruction sets and the binary representation of information; explains the relationship between high-level language programs, assembly code and the basic structure and operation of digital computers; describes the processes that implement this relationship; provides practical experience through laboratory exercises which progressively expose features of a typical microprocessor; and explains how an embedded computer can interact with its environment (through the addition of I/O, sensors, actuators). The gives you a valuable foundation for further studies in areas such as robotics and networking.

**CAB203 Discrete Structures**
- **Pre-requisites**: IFB104
- **Equivalents**: INB250
- **Credit Points**: 12
- **Campus**: null

This unit introduces you to basic mathematical principles which underlie all computing systems, thus giving you a deeper appreciation for the way computing technology works. All established technological disciplines have a sound theoretical foundation and Information Technology is no different. Discrete Structures concerns the branches of mathematics and the formalisms especially relevant to Computer Science. It covers topics such as set theory, relations and functions, formal logic, regular languages, finite-state automata and information theory. These formalisms define the principles underlying programming language semantics, relational database operators, secure digital communication, and so on. An understanding of these topics gives you a deep appreciation for why computer systems and languages are designed and work the way they do. This unit reinforces each of these topics in separate modules, thus providing a broad overview of the field.

**CAB210 People Context and Technology**
- **Pre-requisites**: IFB103 or INB103 or INB182
- **Credit Points**: 12
- **Campus**: Gardens Point

This unit develops a human-centred view of technology and information systems. Individuals and groups interact with information, technology, and other people in a wide variety of information environments of increasing complexity. You will learn to explore and model interactions from a variety of perspectives; cognitive, social, emotional, experiential, cultural, contextual and technological. You will learn to characterise users of technologies and to evaluate their interactions in order to understand their information, communication and learning behaviours. A variety of design techniques will allow you to investigate and represent human experience of technologies and information systems at a variety of scales.

**CAB230 Web Computing**
- **Pre-requisites**: IFB104
- **Equivalents**: INB271
- **Credit Points**: 12
- **Campus**: null

The World Wide Web has become our most important computer system. However, designing software for the web is rather different from designing for standalone PC applications. The unit starts with the protocols and architecture of the Internet and World Wide Web, including how search engines like Google work. After reviewing the latest W3C standards for HTML5, Javascript and CSS, the unit moves to designing web based user interfaces and to programming web based applications. Issues covered include client and server-side data validation, authentication, authorization and combating security threats including SSL injection. The unit concentrates mostly on simple data driven applications, but contrasts these with more complex n-tier, MVC and AJAX based architectures. Beyond web applications, the unit introduces web services and the move toward the cloud.

**CAB240 Information Security**
- **Equivalents**: INB255
- **Credit Points**: 12
- **Campus**: Gardens Point

Information systems are increasingly used to store, process and exchange information, with most sectors of the economy dependent on electronic and often automated information systems. Information systems are vital, but also vulnerable. Information security is about protecting information and the systems that use, store and transmit it. This unit provides an introduction to information security, from the perspective of an IT user, including how to identify fundamental security issues with information systems ranging from single-user systems to those of large multinational organisations. It considers both technical and non-technical measures used to provide security for information systems, and examines guidelines on best practice implementation of information security measures.

**CAB255 Information Security**
- **Pre-requisites**: ITB161, ITB253, ITB263, ITN161 and INN255
### CAB301 Algorithms and Complexity

**Pre-requisites:** CAB201  
**Credit Points:** 12  
**Campus:** null

This unit teaches you the fundamental principles used to assess the efficiency of software algorithms, allowing you to distinguish solutions that can process large amounts of data or perform complex calculations effectively from those that run unacceptably slowly or not at all. Despite extraordinary advances in computer processing speeds and memory capacity, we still encounter software applications with unacceptable performance, especially on mobile, low-powered devices. Often this is due to basic limitations associated with the program's design, i.e., the algorithm it uses and the associated data structures it implements. The study of algorithm complexity involves (1) taking advantage of the vast library of existing algorithms for solving common computational problems that has been developed over recent decades, and (2) understanding how efficiently a given algorithm can perform in theory, which is usually directly related to the data structure that supports it. Algorithms and Complexity is an advanced unit for students who are already comfortable with implementing computer programs. In this unit you will examine a range of different algorithm types, review the principles used to predict their efficiency (so-called “complexity” analysis), and perform empirical measurements of specific algorithms to confirm the theoretical predictions. You are expected to be self-sufficient.

### CAB302 Software Development

**Pre-requisites:** CAB201 or INB270  
**Credit Points:** 12  
**Campus:** null

This unit teaches you how to advance your skills from 'programming-in-the-small' to 'programming-in-the-large' through the application of a sound software development process and appropriate tools and techniques for development and maintenance of large-scale, long-lived software. Software Development introduces you to the processes and practical techniques of professional application development, providing a foundation for you to work productively as part of a professional team in the workplace. Software Development uses large-scale projects to introduce you to a modern software development process and the technologies that support its effective and efficient application in industry. Motivated via a modern agile development process, you will be introduced to principles such as unit testing, test driven development (TDD), version control and build management, using an industrial-strength programming language and development tools widely used in industry. The unit also introduces advanced aspects of object oriented programming relevant to large-scale program development and maintenance, and gives you practice in working with important Application Programming Interfaces (APIs) for data access and presentation. Some aspects of large-scale program design are also introduced through concepts such as programming patterns and refactoring.

### CAB340 Cryptography

**Pre-requisites:** CAB203 and CAB240  
**Credit Points:** 12  
**Campus:** null

Cryptographic techniques are widely used to implement computer and network security, so IT security professionals may be required either to evaluate or implement information systems using cryptographic algorithms and protocols. This unit covers the main cryptographic technical concepts including encryption, digital signatures and cryptographic protocols, including how to apply mathematical and cryptologic techniques to solve real world information security problems.

### CAB351 Networked Systems

**Anti-requisites:** INN251  
**Credit Points:** 12  
**Campus:** null

This unit provides you with a broad introduction to machine learning tasks; classification principles; statistical learning and clustering algorithms; fitting models to data; decision trees and neural networks. Specifically students are introduced to machine learning techniques such as semi-supervised learning and reinforcement learning and they will be provided the knowledge and skills necessary to evaluate a machine learning systems. The unit also discusses recent applications of machine learning, such as robotic control, data mining, autonomous navigation, facial recognition, speech recognition, and text and web data processing.

### CAB352 Network Security

**Anti-requisites:** INN251  
**Credit Points:** 12  
**Campus:** null

This unit teaches you the fundamental principles used to assess the efficiency of software algorithms, allowing you to distinguish solutions that can process large amounts of data or perform complex calculations effectively from those that run unacceptably slowly or not at all. Despite extraordinary advances in computer processing speeds and memory capacity, we still encounter software applications with unacceptable performance, especially on mobile, low-powered devices. Often this is due to basic limitations associated with the program's design, i.e., the algorithm it uses and the associated data structures it implements. The study of algorithm complexity involves (1) taking advantage of the vast library of existing algorithms for solving common computational problems that has been developed over recent decades, and (2) understanding how efficiently a given algorithm can perform in theory, which is usually directly related to the data structure that supports it. Algorithms and Complexity is an advanced unit for students who are already comfortable with implementing computer programs. In this unit you will examine a range of different algorithm types, review the principles used to predict their efficiency (so-called “complexity” analysis), and perform empirical measurements of specific algorithms to confirm the theoretical predictions. You are expected to be self-sufficient.

### CAB353 Network and Systems Administration

**Anti-requisites:** INN251  
**Credit Points:** 12  
**Campus:** null

This unit teaches you the fundamental principles used to assess the efficiency of software algorithms, allowing you to distinguish solutions that can process large amounts of data or perform complex calculations effectively from those that run unacceptably slowly or not at all. Despite extraordinary advances in computer processing speeds and memory capacity, we still encounter software applications with unacceptable performance, especially on mobile, low-powered devices. Often this is due to basic limitations associated with the program's design, i.e., the algorithm it uses and the associated data structures it implements. The study of algorithm complexity involves (1) taking advantage of the vast library of existing algorithms for solving common computational problems that has been developed over recent decades, and (2) understanding how efficiently a given algorithm can perform in theory, which is usually directly related to the data structure that supports it. Algorithms and Complexity is an advanced unit for students who are already comfortable with implementing computer programs. In this unit you will examine a range of different algorithm types, review the principles used to predict their efficiency (so-called “complexity” analysis), and perform empirical measurements of specific algorithms to confirm the theoretical predictions. You are expected to be self-sufficient.

### CAB354 Digital Forensics

**Anti-requisites:** INN251  
**Credit Points:** 12  
**Campus:** null

This unit teaches you the fundamental principles used to assess the efficiency of software algorithms, allowing you to distinguish solutions that can process large amounts of data or perform complex calculations effectively from those that run unacceptably slowly or not at all. Despite extraordinary advances in computer processing speeds and memory capacity, we still encounter software applications with unacceptable performance, especially on mobile, low-powered devices. Often this is due to basic limitations associated with the program's design, i.e., the algorithm it uses and the associated data structures it implements. The study of algorithm complexity involves (1) taking advantage of the vast library of existing algorithms for solving common computational problems that has been developed over recent decades, and (2) understanding how efficiently a given algorithm can perform in theory, which is usually directly related to the data structure that supports it. Algorithms and Complexity is an advanced unit for students who are already comfortable with implementing computer programs. In this unit you will examine a range of different algorithm types, review the principles used to predict their efficiency (so-called “complexity” analysis), and perform empirical measurements of specific algorithms to confirm the theoretical predictions. You are expected to be self-sufficient.

### CAB355 Cryptography

**Anti-requisites:** INN251  
**Credit Points:** 12  
**Campus:** null

This unit teaches you the fundamental principles used to assess the efficiency of software algorithms, allowing you to distinguish solutions that can process large amounts of data or perform complex calculations effectively from those that run unacceptably slowly or not at all. Despite extraordinary advances in computer processing speeds and memory capacity, we still encounter software applications with unacceptable performance, especially on mobile, low-powered devices. Often this is due to basic limitations associated with the program's design, i.e., the algorithm it uses and the associated data structures it implements. The study of algorithm complexity involves (1) taking advantage of the vast library of existing algorithms for solving common computational problems that has been developed over recent decades, and (2) understanding how efficiently a given algorithm can perform in theory, which is usually directly related to the data structure that supports it. Algorithms and Complexity is an advanced unit for students who are already comfortable with implementing computer programs. In this unit you will examine a range of different algorithm types, review the principles used to predict their efficiency (so-called “complexity” analysis), and perform empirical measurements of specific algorithms to confirm the theoretical predictions. You are expected to be self-sufficient.

### CAB373 Web Computing

**Pre-requisites:** INN270 or ITP003  
**Credit Points:** 12  
**Campus:** null

Web Computing is among the most important developments in the IT industry in recent years, and one which has received enormous, and at times ill-informed, media attention. In many respects, Cloud computing may be seen as a natural progression from earlier trends in service and infrastructure outsourcing and virtualisation, but it differs in the essential characteristic of elasticity: service and infrastructure provisioning is scalable in response to variations in demand, allowing clients to cater for unexpected spikes in load without tying up capital in expensive and potentially underutilised assets. This unit provides an advanced-level overview of the most important issues in the field, enabling you to understand the environment and the business and technical trade-offs at its heart.

### CAB420 Machine Learning

**Pre-requisites:** CAB320

Machine learning concerns the construction and study of systems that can learn from data by generalizing from examples. This approach is often feasible and cost-effective when traditional programming is not. This unit provides you with a broad introduction to machine learning and its statistical foundations. Topics include: definition of machine learning tasks; classification principles; statistical learning and clustering algorithms; fitting models to data; decision trees and neural networks. Specifically students are introduced to machine learning techniques such as semi-supervised learning and reinforcement learning and they will be provided the knowledge and skills necessary to evaluate a machine learning systems. The unit also discusses recent applications of machine learning, such as robotic control, data mining, autonomous navigation, facial recognition, speech recognition, and text and web data processing.

### CAB432 Cloud Computing

**Pre-requisites:** CAB302  
**Credit Points:** 12  
**Campus:** null

Cloud Computing is among the most important developments in the IT industry in recent years, and one which has received enormous, and at times ill-informed, media attention. In many respects, Cloud computing may be seen as a natural progression from earlier trends in service and infrastructure outsourcing and virtualisation, but it differs in the essential characteristic of elasticity: service and infrastructure provisioning is scalable in response to variations in demand, allowing clients to cater for unexpected spikes in load without tying up capital in expensive and potentially underutilised assets. This unit provides an advanced-level overview of the most important issues in the field, enabling you to understand the environment and the business and technical trade-offs at its heart.

### CAB440 Network and Systems Administration

**Pre-requisites:** CAB303  
**Credit Points:** 12  
**Campus:** null

This unit teaches you the fundamental principles used to assess the efficiency of software algorithms, allowing you to distinguish solutions that can process large amounts of data or perform complex calculations effectively from those that run unacceptably slowly or not at all. Despite extraordinary advances in computer processing speeds and memory capacity, we still encounter software applications with unacceptable performance, especially on mobile, low-powered devices. Often this is due to basic limitations associated with the program's design, i.e., the algorithm it uses and the associated data structures it implements. The study of algorithm complexity involves (1) taking advantage of the vast library of existing algorithms for solving common computational problems that has been developed over recent decades, and (2) understanding how efficiently a given algorithm can perform in theory, which is usually directly related to the data structure that supports it. Algorithms and Complexity is an advanced unit for students who are already comfortable with implementing computer programs. In this unit you will examine a range of different algorithm types, review the principles used to predict their efficiency (so-called “complexity” analysis), and perform empirical measurements of specific algorithms to confirm the theoretical predictions. You are expected to be self-sufficient.

### CAB441 Network Security

**Anti-requisites:** INN251  
**Credit Points:** 12  
**Campus:** null

Government and private organisations currently face an unprecedented level of malicious computer network activity from a wide range of sources, including hackers, activist groups, organised crime syndicates and nation states. IT professionals are expected to have an understanding of the vulnerabilities and threats that computer systems
under their protection may be exposed to. This unit provides the knowledge and skills needed to better defend electronic system services and applications. It introduces techniques and tools that demonstrate how attackers may exploit system services and applications. The challenge is illustrated using potential attacks on industrial control systems.

CRB001 Mathematics in Primary Education

**Credit Points**: 12  
**Campus**: Kelvin Grove and Caboolture  
**Teaching Periods**: 2014 SEM-2 (INT)

In this unit students will investigate the role of mathematics in the local, global, and cultural contexts. These settings as well as the historical development of mathematics will be used to provide confidence in this discipline. Relevant curriculum documents will be used to develop knowledge and understanding of primary mathematics and mathematics education. Essential theories about learning and learners of mathematics will be introduced to assist students’ development of mathematics and ensure proficiency of basic numeracy. This unit will prepare students to progress into deeper knowledge and understanding about mathematics curriculum and pedagogy in the subsequent mathematics curriculum units: Primary Mathematics Curriculum Studies 1 & 2.

CRB003 Humanities and Social Sciences Curriculum Studies 1: History and Civics

**Anti-requisites**: CRB006  
**Credit Points**: 12  
**Campus**: External  
**Teaching Periods**: 2014 SEM-2 (EXT)

This unit introduces key concepts, content and skills that are the foundation of history education in the early childhood and primary years. The unit distinguishes young children as competent, proactive learners who can develop and experience perspectives about the past. Building on this understanding, early years and primary school students investigate and explore challenging topics in social and cultural education to enable them to become critical thinkers and active and informed citizens. As such, educators in the early childhood and primary years engage with children, families and communities that help them understand the role of history, civics and citizenship in society. Such knowledge develops an informed and critical understanding of the past with a view to better understanding of the present and indeed the future. This unit will develop your knowledge of concepts, content and skills in relevant curriculum documents and prepare you with the pedagogy to teach history in early childhood and primary school settings. This unit to be undertaken in your second year will complement Humanities and Social Sciences Curriculum Studies 2: Geography and Civics in third year.

CRB005 Primary English Curriculum Studies 1

**Pre-requisites**: CLB004 or EAB510  
**Anti-requisites**: CRB904  
**Credit Points**: 12  
**Campus**: Caboolture and Kelvin Grove  
**Teaching Periods**: 2014 SEM-2 (INT)

This unit builds your knowledge and skills in teaching early literacy and comprehension. The unit focuses on: (1) knowledge of the English language; (2) students’ English development; and (3) pedagogy for subject English. It links to the work previously undertaken in EAB510 Early Childhood English Literacies and language 1 and prepares you for the second English curriculum unit EAB534.

CRB002 Mathematics Curriculum and Pedagogies

**Credit Points**: 12  
**Campus**: null

This unit provides content knowledge and pedagogical strategies to promote the mathematical development (both cognitive and social) of students’ future pupils.

CRB021 Middle Years and Vocational Math Curriculum Studies 2

**Pre-requisites**: CRB902 or CRB903 or MDB021 or MDB002 or EAB027  
**Credit Points**: 12  
**Campus**: Kelvin Grove  
**Teaching Periods**: 2014 SEM-2 (INT)

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.

CRB030 Understanding and Educating Gifted Learners

**Credit Points**: 12  
**Campus**: null

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.

CRB031 Excursions in Mathematical Reasoning

**Credit Points**: 12  
**Campus**: Kelvin Grove  
**Teaching Periods**: 2014 SEM-1 (INT)

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.

CRB032 Numeracy in Games of Skill and Chance

**Equivalent**: MDB388  
**Credit Points**: 12  
**Campus**: Kelvin Grove  
**Teaching Periods**: 2014 SEM-1 (INT)

This unit considers the development of probabilistic ideas and concepts through the playing and analysis of games of change and skill.

CRB033 Earth and Space

**Equivalent**: MDB301  
**Credit Points**: 12  
**Campus**: Kelvin Grove  
**Teaching Periods**: 2014 SEM-1 (INT)

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.

CRB034 Digital Media and the Web

**Equivalent**: MDB397  
**Credit Points**: 12  
**Campus**: null

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.

CRB036 Science Technology and Society

**Equivalent**: MDB454  
**Credit Points**: 12  
**Campus**: null

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.

CRB037 Mathematics in Life and Work

**Equivalent**: MDB455  
**Credit Points**: 12  
**Campus**: null

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.
This unit provides a general introduction to the region. It traces the rise and decline of colonial history, geography and cultures of the Asia-Pacific. This unit presents a past in historically about Australia. This unit offers an introductory geographical overview which to develop an understanding of complex social movements and cultural and economic issues. Geography objectively views human activities, natural systems and their inter-relationships in terms of consequent spatial patterns and impacts on landscapes, regions and places. This unit examines aspects of Southeast Asian geography, Australia's interaction with Southeast Asia, including our most populous nearest neighbour, Indonesia, continues to increase in significance. 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. This 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.
CRB114 Geography in the Field

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>CLB114</th>
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</thead>
<tbody>
<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Campus</td>
<td>Kelvin Grove</td>
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</table>

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.

CRB115 Medieval Europe and the World

<table>
<thead>
<tr>
<th>Credit Points</th>
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<tr>
<td>Campus</td>
<td>Kelvin Grove</td>
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</table>

This unit traces in broad outline the evolution of Europe from the barbarian invasions of the fifth century, through the Carolingian period and the Crusades, to the centuries usually defined as the High Middle Ages. On a thematic level, the unit selectively examines topics concerned with political, religious and intellectual developments, along with the cultural history of Medieval Europe. The students will develop an understanding of how events and forces have contributed to societal, political and cultural change in Europe in Medieval times.

CRB116 The Classical World 2

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>12</th>
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<tr>
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</table>

The unit explores the emergence of the civilizations of Egypt, the Near East and India, and introduces some of the key cultural, social, political, economic and intellectual developments across the first millennia of recorded history in this region. CRB116 is a core discipline unit in the History major in ED59 Bachelor of Education (Secondary).

CRB117 Australia, Britain and America

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<tr>
<th>Credit Points</th>
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<tr>
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CRB250 Australian Society and Culture

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>CLB101, HHB106, HHB108</th>
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<tbody>
<tr>
<td>Credit Points</td>
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<tr>
<td>Campus</td>
<td>Gardens Point</td>
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</tbody>
</table>

Australian Society and Culture combines literary and cultural studies, political analysis and history. It provides a context through which students can acquire knowledge about Australian institutions and traditions, particularly since 1901.

CRB442 Teaching of Writing

| Equivalents | CLB442 |

CRB443 Grammar in the Classroom: Theories and Pedagogies

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>CLB446</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Campus</td>
<td>Kelvin Grove</td>
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</table>

CRB444 Media Literacy and the School

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<tr>
<th>Equivalents</th>
<th>CLB452</th>
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<tbody>
<tr>
<td>Credit Points</td>
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<td>Campus</td>
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</table>

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 the language resources employed by writers.

CRB445 Media Literacy and the Classroom

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<tr>
<th>Equivalents</th>
<th>CLB453</th>
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CRB800 Records Management

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<tr>
<th>Equivalents</th>
<th>CLB001</th>
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<tr>
<td>Credit Points</td>
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<td>Campus</td>
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</table>

An effective information management system is integral to the success of a business's operations. As almost all activity within and between business organisations involves the transfer of information, it is essential that each business establish its own systems and procedures to enable the efficient management and organisation of information. To this end, employees must have knowledge and understanding of how information and records are collected, classified, accessed and processed within the organisation, and of the practice of active citizenship.

CRB901 Computer Applications in BCT

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<thead>
<tr>
<th>Equivalents</th>
<th>CLB002</th>
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<tbody>
<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Campus</td>
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</table>

This unit considers administrative practices and procedures relevant to any business environment, including communication skills, practical skills to perform a range of business activities, ability to prepare and produce documentation in a range of business contexts using policies and procedures to achieve tasks in required timeframes.

CRB902 Administrative Procedures

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<thead>
<tr>
<th>Equivalents</th>
<th>CLB003</th>
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<tr>
<td>Campus</td>
<td>Kelvin Grove</td>
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</table>

CRB903 Foundation: Wellness and Active Citizenship

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<tr>
<th>Equivalents</th>
<th>CLB005</th>
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<tbody>
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<tr>
<td>Campus</td>
<td>null</td>
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</table>

CRB905 Learning Literacy by Design

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>CRB005 or CLB006</th>
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<tr>
<td>Equivalents</td>
<td>CLB007</td>
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<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Campus</td>
<td>Kelvin Grove and Caboolture</td>
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</tbody>
</table>

The unit is to provide you with socioeconomic approaches and principles and practices relating to language and literacy education that are each crucial to your meeting QCT Standard 2. Therefore, you will design learning experiences within a multimodality, community of learners framework, catering for student diversity and a range of contexts. You will also examine how strategic practice is linked to particular theories of language and literacy, producing artifacts relevant to your professional portfolio.
CRB906 Teaching Primary SOSE

Pre-requisites: CRB903 or CLB005. CRB903 can be enrolled in the same teaching period as CRB906

Equivalents: CLB008

Credit Points: 12

Campus: Kelvin Grove and Caboolture

Teaching Periods: 2014 SEM-2 (INT)

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.

CRB909 English Curriculum Studies 1

Pre-requisites: CLB018

Equivalents: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

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.

CRB909 English Curriculum Studies 2

Pre-requisites: CRB909 or CLB018

Equivalents: CLB019

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

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.

CRB909 English Curriculum Studies 3

Pre-requisites: CRB910 or CLB019

Equivalents: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

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.

CRB907 Accounting and Business Management Curriculum Studies 2

Pre-requisites: CRB920 or CLB051

Equivalents: CLB010

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

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.

CRB908 Business Communication and Technologies Curriculum Studies 2

Pre-requisites: CRB920 or CLB051

Equivalents: CLB013

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

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 Syllabi 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.

CRB913 Film and Media Curriculum Studies 2

Pre-requisites: CRB912 or CLB024

Equivalents: CLB025

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

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.

CRB914 Film and Media Curriculum Studies 3

Pre-requisites: CRB913 or CLB025

Equivalents: CLB026

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

This unit introduces you to 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.

CRB915 Geography Curriculum Studies 2

Pre-requisites: CRB924 or CLB054

Equivalents: CLB028

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

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

CRB916 History Curriculum Studies 2

Pre-requisites: CRB924 or CLB054

Equivalents: CLB031

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

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

CRB917 Biology Curriculum Studies 2

Pre-requisites: CRB930 or MDB031

Equivalents: MDB010

Credit Points: 12

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.
<table>
<thead>
<tr>
<th>Units</th>
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</table>
| **CRB918 Legal Studies**
Curriculum Studies 2 |
| Pre-requisites | CRB924 or CRB920 or CLB051 or CLB054 |
| Equivalents | CLB004 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-2 (INT) |

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.

| **CRB922 Business Education**
Curriculum Studies 3 |
| Pre-requisites | CRB907 or CRB908 or CRB918 or CLB010 or CLB013 or CLB034 |
| Equivalents | CLB053 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-1 (INT) |

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.

| **CRB923 Mathematics**
Curriculum Studies 1 |
| Equivalents | MDB021 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-1 (INT) |

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.

| **CRB924 Social Education**
Curriculum Studies 1 |
| Equivalents | CLB054 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-1 (INT) |

This is the first of three complementary units in Social Education subjects in the lower secondary school. This unit focuses on recent developments 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.

| **CRB925 Mathematics**
Curriculum Studies 2 |
| Equivalents | MDB022 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-2 (INT) |

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.

| **CRB926 Social Education**
Curriculum Studies 2 |
| Pre-requisites | CRB916 or CRB915 or CRB918 or CLB031 or CLB028 or CLB034 or CLB040 |
| Equivalents | CLB056 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-1 (INT) |

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.

| **CRB927 Mathematics**
Curriculum Studies 3 |
| Pre-requisites | CRB925 or CRB921 or MDB022 or MDB453. (CRB925 or CRB921) can be enrolled in the same teaching period as CRB927 |
| Equivalents | MDB023 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-1 (INT) |

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.

| **CRB928 Physics Curriculum**
Studies 2 |
| Pre-requisites | CRB930 or CLB051 |
| Equivalents | MDB025 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-2 (INT) |

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.

| **CRB929 Science Curriculum**
Studies 2 |
| Pre-requisites | CRB930 or MDB031 |
| Equivalents | MDB028 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-2 (INT) |

This is the first of three complementary units in Science Education curriculum aimed at preparing you to teach Social Science subjects in the lower secondary school. This unit focuses on recent developments in 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.
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.

**CRB930 Science Education Curriculum Studies 1**

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<thead>
<tr>
<th>Equivalents</th>
<th>MDB031</th>
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<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Campus</td>
<td>Kelvin Grove</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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</table>

This unit is to provide you with opportunities to examine in practice science classrooms in order to help you develop principles for the establishment and management of effective science learning environments.

**CRB931 Science Education Curriculum Studies 2**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>CRB917 or CRB919 or CRB921 or CRB928 or CRB929 or MDB010 or MDB013 or MDB919 or MDB025 or MDB028</th>
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</thead>
<tbody>
<tr>
<td>Equivalents</td>
<td>MDB033</td>
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<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Campus</td>
<td>Kelvin Grove</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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.

**CRB932 Foundation: Scientific and Quantitative Literacy**

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<tr>
<th>Equivalents</th>
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<td>Campus</td>
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</table>

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 enriches our understanding 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.

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.

**CRB934 Teaching Primary Mathematics 2**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>CRB933 or MDB002</th>
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<tbody>
<tr>
<td>Equivalents</td>
<td>MDB003</td>
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<td>Credit Points</td>
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<td>Campus</td>
<td>Kelvin Grove and Caboolture</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
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</table>

This unit investigates new ideas in the teaching and learning of shape and space, chance and data, and pre-algebra. Students study the development of conceptual understanding of the above topic areas with a particular emphasis on understanding the big’ mathematical ideas and principles behind these topics.

**CRB935 Teaching Primary ICT**

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<tr>
<th>Equivalents</th>
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<td>Credit Points</td>
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<td>Kelvin Grove and Caboolture</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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.

**CRB936 Teaching Primary Design and Technology**

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<tr>
<th>Equivalents</th>
<th>MDB005</th>
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<tr>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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</table>

This unit is designed for students to explore content, pedagogical content knowledge and pedagogies important in design and technology education.

**CRB937 Teaching Primary Science**

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<tr>
<th>Anti-requisites</th>
<th>CRB910</th>
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<tbody>
<tr>
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<td>Kelvin Grove and Caboolture</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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Becoming scientific and technologically literate contributes to learners' capabilities as lifelong 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

**CRB938 Social Science Curriculum Studies 2**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>CRB929 or CLB054</th>
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<tbody>
<tr>
<td>Equivalents</td>
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<td>Kelvin Grove</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
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</tbody>
</table>

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.

**CRN600 Youth, Popular Culture, and Texts**

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<thead>
<tr>
<th>Equivalents</th>
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<tbody>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (EXT)</td>
</tr>
</tbody>
</table>

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.

**CRN601 Literacies for English Language Learners**

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>CLN652</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Campus</td>
<td>External</td>
</tr>
<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (EXT)</td>
</tr>
</tbody>
</table>

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.

**CRN602 Digital Pedagogies**

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>MDN642</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Campus</td>
<td>External</td>
</tr>
<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (EXT)</td>
</tr>
</tbody>
</table>

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.
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/.
CRP408 English Education Curriculum Studies 2

| Equivalents | CLP409 |
| Credit Points | 12 |
| Campus | Kelvin Grove and External |
| Teaching Periods | 2014 SEM-2 (INT, EXT) |

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 which are appropriate for the needs and interests of diverse learners in a range of sociocultural contexts.

CRP409 English Education Curriculum Studies 3

| Pre-requisites | CRP408 or CLP409. CRP408 can be enrolled in the same teaching period as CRP409 |
| Equivalents | CLP410 |
| Credit Points | 12 |
| Campus | Kelvin Grove and External |
| Teaching Periods | 2014 SEM-1 (INT); 2014 SEM-2 (INT, EXT) |

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.

CRP410 Social Education Curriculum Studies 1

| Equivalents | CLP414 |
| Credit Points | 12 |
| Campus | Kelvin Grove and External |
| Teaching Periods | 2014 SEM-1 (EXT, INT) |

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.

CRP411 Social Education Curriculum Studies 2 (Geography)

| Pre-requisites | CRP410 or CLP414. CRP410 can be enrolled in the same teaching period as CRP411 |
| Equivalents | CLP415 |
| Credit Points | 12 |
| Campus | Kelvin Grove and External |

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.

CRP412 Social Education Curriculum Studies 2 (History)

| Pre-requisites | CRP410 or CLP414. CRP410 can be enrolled in the same teaching period as CRP412 |
| Equivalents | CLP416 |
| Credit Points | 12 |
| Campus | Kelvin Grove and External |
| Teaching Periods | 2014 SEM-1 (EXT); 2014 SEM-2 (INT, EXT) |

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.

CRP413 Social Education Curriculum Studies 2 (Senior Social Science)

| Pre-requisites | CRP410 or CLP414. CRP410 can be enrolled in the same teaching period as CRP413 |
| Equivalents | CLP417 |
| Credit Points | 12 |
| Campus | Kelvin Grove and External |
| Teaching Periods | 2014 SEM-2 (INT, EXT) |

This is the second in a suite of three complementary units that 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.

CRP414 Social Education Curriculum Studies 3

| Pre-requisites | CRP405 or CRP411 or CRP412 or CRP413 or CLP406 or CLP415 or CLP417. (CRP405 or CRP411 or CRP412 or CRP413) can be enrolled in the same teaching period as CRP414 |
| Equivalents | CLP418 |
| Credit Points | 12 |
| Campus | Kelvin Grove and External |
| Teaching Periods | 2014 SEM-1 (INT); 2014 SEM-2 (INT, EXT) |

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.

CRP415 Social Education Curriculum - Senior History

| Equivalents | CLP419 |
| Credit Points | 12 |
| Campus | External |
| Teaching Periods | 2014 SEM-1 (EXT) |

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.

CRP416 Film and Media Education Curriculum Studies 1

| Pre-requisites | CRP416 or CLP422 |
| Equivalents | CLP423 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-1 (INT) |

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.

CRP417 Film and Media Education Curriculum Studies 2

| Pre-requisites | CRP416 or CLP422 |
| Equivalents | CLP422 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-2 (INT) |

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.

CRP418 Film and Media Education Curriculum Studies 3

| Pre-requisites | CRP417 or CLP423. CRP417 can be enrolled in the same teaching period as CRP418 |
| Equivalents | CLP424 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-2 (INT) |
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.

CRP419 Primary English: P-7

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>CLP425</th>
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</thead>
<tbody>
<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Campus</td>
<td>Kelvin Grove</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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</tbody>
</table>

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.

CRP420 Primary SOSE: P-7

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>CLP426</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Points</td>
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<td>2014 SEM-2 (INT)</td>
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</table>

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.

CRP421 Middle Years: Mathematical Understandings

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>MDP452</th>
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<tbody>
<tr>
<td>Credit Points</td>
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<td>Teaching Periods</td>
<td>2014 SEM-1 (EXT)</td>
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</table>

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.

CRP422 Middle Years: Transdisciplinary Science and Technology

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>MDP453</th>
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<tr>
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<td>External</td>
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<td>Teaching Periods</td>
<td>2014 SEM-2 (EXT)</td>
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</table>

This unit aims to develop the skills and understandings required to integrate science and technology KLA's across the curriculum and create meaningful learning experiences that cater for the diverse needs of middle years students.

CRP423 Mathematics Education Curriculum Studies 1

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>MDP456</th>
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<tbody>
<tr>
<td>Credit Points</td>
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<tr>
<td>Campus</td>
<td>Kelvin Grove and External</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (EXT, INT)</td>
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</table>

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.

CRP424 Mathematics Education Curriculum Studies 2

<table>
<thead>
<tr>
<th>Equivalents</th>
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<tbody>
<tr>
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<td>Kelvin Grove and External</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT, EXT)</td>
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</tbody>
</table>

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.

CRP425 Mathematics Education Curriculum Studies 3

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<th>Equivalents</th>
<th>MDP458</th>
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<tbody>
<tr>
<td>Credit Points</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT, EXT)</td>
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</table>

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.

CRP426 Science Education Curriculum Studies 1

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>MDP459</th>
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<tbody>
<tr>
<td>Credit Points</td>
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<td>Kelvin Grove and External</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (EXT, INT)</td>
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</table>

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.

CRP427 Science Education Curriculum Studies 2

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<tr>
<th>Equivalents</th>
<th>MDP460</th>
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<tr>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (EXT); 2014 SEM-2 (EXT, INT)</td>
</tr>
</tbody>
</table>

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.

CRP428 Science Education Curriculum Studies 3

| Pre-requisites | CRP427 or MDP460 or CRP429 or MDP462 or CRP430 or MDP463 or CRP431 or MDP464 or CRP432 or MDP465. (CRP427 or CRP429 or CRP430 or CRP431 or CRP432 or MDP465). CRP427 or CRP429 or CRP430 or CRP431 or CRP432 can be enrolled in the same teaching period as CRP428 |
| Equivalents | MDP456 |
| Credit Points | 12 |
| Campus | Kelvin Grove and External |
| Teaching Periods | 2014 SEM-1 (INT); 2014 SEM-2 (INT, EXT) |

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.

CRP429 Biology Curriculum Studies 2

| Pre-requisites | CRP426 or MDP459. CRP426 can be enrolled in the same teaching period as CRP429 |
| Equivalents | MDP462 |
| Credit Points | 12 |
| Campus | Kelvin Grove and External |
| Teaching Periods | 2014 SEM-1 (EXT); 2014 SEM-2 (INT, EXT) |

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.

CRP430 Chemistry Curriculum Studies 2

| Pre-requisites | CRP426 or MDP459. CRP426 can be enrolled in the same teaching period as CRP430 |
| Equivalents | MDP463 |
| Credit Points | 12 |
| Campus | Kelvin Grove and External |
| Teaching Periods | 2014 SEM-2 (INT, EXT) |

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.

CRP431 Earth Science Curriculum Studies 2

| Pre-requisites | CRP426 or MDP459. CRP426 can be enrolled in the same teaching period as CRP431 |
| Equivalents | MDP460 |
| Credit Points | 12 |
| Campus | Kelvin Grove and External |
| Teaching Periods | 2014 SEM-1 (EXT); 2014 SEM-2 (EXT, INT) |
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.

CRP432 Physics Curriculum Studies 2

Pre-requisites: CRP426 or MDP459. CRP426 can be enrolled in the same teaching period as CRP432

Equivalents: MDP465

Credit Points: 12

Campus: Kelvin Grove and External

Teaching Periods: 2014 SEM-1 (EXT); 2014 SEM-2 (EXT, INT)

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.

CRP433 Primary Maths: P-7

Equivalents: MDP470

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

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).

CRP434 Primary Science: P-7

Equivalents: MDP471

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

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.

CSB011 Patient Care in Professional Practice

Equivalents: PCB007, PYB074

Credit Points: 12

Campus: null

This unit will provide you with an introduction to the theoretical concepts and clinical principles that underpin the care of patients undergoing procedures in medical radiations departments. Patient care involves a team approach from a variety of health professionals and this unit will expose you to effective strategies for communication and interpersonal skills.

CSB012 Introduction to Medical Radiations

Equivalents: PCB178

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT)

This unit provides an overview of the physical principles of the various medical imaging modalities and techniques used in patient imaging. It includes a brief overview of those techniques used in the diagnosis and treatment of cancer.

CSB020 Systematic Imaging Pathology

Ant-requisites: LSB367, LSB475

Equivalents: PCB252

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-2 (INT)

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.

CSB021 General Radiography 1

Pre-requisites: LSB142 and (CSB012 or PCB178) and (CSB022 or PCB277). CSB022 can be enrolled in the same teaching period as CSB021

Equivalents: PCB276

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-2 (INT)

This unit is an introduction to the techniques of radiography treatment planning including patient data acquisition and radiation dosimetry.

CSB022 Radiographic Practice

Pre-requisites: (CSB011 or PCB178) and (CSB012 or PCB277) and (CSB021 or PCB276). CSB021 can be enrolled in the same teaching period as CSB022

Equivalents: PCB277

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-2 (INT)

This unit is the first unit in radiographic positioning of your course and builds on the foundations knowledge from semester 1. The unit focuses on pre-clinical skills development in the on-campus laboratory and includes a clinical placement in a hospital context. During the placement you will observe the role of the radiographer in a range of contexts within a hospital setting.

CSB023 Treatment Planning 1

Pre-requisites: (CSB012 or LSB111) and (LQB183 or LSB142) and PCB272

Equivalents: PCB286

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-2 (INT)

This unit is an introduction to the techniques of radiotherapy treatment planning including patient data acquisition and radiation dosimetry.

CSB024 Radiation Therapy 1

Pre-requisites: (CSB011 or LSB111) and (CSB012 or LSB142) and (LQB183 or LSB142)

Equivalents: PCB287

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-2 (INT)

This unit introduces the basic techniques of radiotherapy treatment and equipment. Practical sessions are completed in clinical departments.

CSB030 Clinical Radiotherapy 1

Pre-requisites: CSB023 and CSB024 and PCB675

Equivalents: PCB351

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT)

- CSB031 Radiographic Equipment

Pre-requisites: CSB012 or PCB178

Equivalents: PCB355

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT)

The unit further develops your knowledge of radiation physics as it applies to the operation of imaging equipment. It links to the introductory information provided in CSB012 and PCB272 and extends it to the understanding of the digital image, image processing, image display techniques and storage. Quality control and quality assurance of imaging equipment operation is also provided.

CSB032 Radiation Therapy 2

Pre-requisites: (CSB023 or PCB286) and (CSB024 or PCB387) and PCB675

Equivalents: PCB357

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT)

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CSB033 Clinical Radiography 1

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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</thead>
<tbody>
<tr>
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<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
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</table>

This unit prepares both radiation therapy and medical imaging students for clinical use of patient images. It builds on the regional and sectional anatomy understanding gained in Year 1 to enable identification of relevant structures on a range of medical images. Students will learn the essential underpinning technical aspects of medical image production and gain skills in interpretation of CT, MR and plan radiography images.

CSB034 General Radiography 2

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<tr>
<th>Pre-requisites</th>
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<th>Campus</th>
<th>Teaching Periods</th>
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</thead>
<tbody>
<tr>
<td>CSB021 or PCB276 and (CSB022 or PCB277) and LSB142</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
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</tbody>
</table>

This unit is designed to extend the student’s knowledge of skeletal radiography, minor procedures, and imaging practices. The practical sessions are designed to develop positioning skills through role play and taking radiographs of sectional models to become familiar with radiographic appearances.

CSB035 Treatment Planning 2

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<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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</thead>
<tbody>
<tr>
<td>CSB023 and CSB024</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
</tr>
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</table>

This unit builds on the fundamental dosimetry understanding gained in Treatment Planning 1 and enables students to apply this to a range of common tumour sites. In order to prepare them for clinical planning, students will have the opportunity to produce clinically acceptable plans for these routine tumour sites and start to develop essential plan evaluation skills.

CSB036 Medical Imaging Methods

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<tr>
<th>Pre-requisites</th>
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<th>Teaching Periods</th>
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<tbody>
<tr>
<td>CSB012 and PCB272</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
</tr>
</tbody>
</table>

This unit further develops your knowledge of radiation physics as it applies to the operation of imaging equipment. It links to the introductory information provided in CSB012 and PCB272 and extends it to the understanding of the digital image, image processing, image display techniques and storage. Quality control and quality assurance of imaging equipment operation is also provided.

CSB040 Applied Medical Imaging

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<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
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<td>(LQB183 or LSB245) and (LQB389 or LQB390)</td>
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<td>null</td>
<td>2014 SEM-1 (INT)</td>
</tr>
</tbody>
</table>

This unit offers an opportunity to progress from assistant to supervised performer in routine imaging techniques and procedures. This extended period of clinical experience at the end of on campus unit delivery, will enable you to gain experience in the new area clinical placement area of computed tomography. This is in addition to consolidating skills in general radiography, and minor procedures, and also assisting in the further development of your professionalism and reflective practice.

CSB041 Specialised Imaging Techniques

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
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<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
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</table>

This unit includes specialised techniques of radiography including the skull, macroradiography, obstetrics, gynaecology, CNS, paediatrics and geriatrics.

CSB042 Clinical Radiotherapy 2

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<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
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<td>2014 SEM-2 (INT)</td>
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</table>

This unit builds on Radiation Therapy 2 to provide students with the necessary skills in technique and recognition of common pathological processes.

CSB043 Radiation Therapy 3

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<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
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<td>2014 SEM-2 (INT)</td>
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</table>

This unit builds on Radiation Therapy 2 to provide students with the necessary skills in technique and patient care required for clinical practice.

CSB044 Clinical Radiography 2

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</tbody>
</table>

This unit builds on Radiation Therapy 3 to provide students with the necessary skills in technique and patient care required for clinical practice.

CSB045 Treatment Planning 3

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
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<tbody>
<tr>
<td>LQB389 and (CSB035 or PCB396)</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.

CSB046 Complementary Imaging Techniques

<table>
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<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
<td>CSB012 or PCB178</td>
<td>12</td>
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</tbody>
</table>

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.

CSB050 Professional Practice in Radiation Therapy

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSB042, CSB043 and CSB045</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
</tr>
</tbody>
</table>

The unit will provide a theoretical and practical understanding on which to build skills in the evaluation and interpretation of radiographic images and recognition of common pathological processes. Practical sessions will extend the practical and interpretative skills involved in image interpretation of general radiography.

CSB051 Advanced Radiographic Technique 1

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
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<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
</tr>
</tbody>
</table>

The unit will provide a theoretical and practical understanding on which to build skills in the evaluation and interpretation of radiographic images and recognition of common pathological processes. Practical sessions will extend the practical and interpretative skills involved in image interpretation of general radiography.

CSB052 Clinical Radiotherapy 3

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
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<td>2014 SEM-2 (INT)</td>
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</table>

This unit builds on Radiation Therapy 3 to provide students with the necessary skills in technique and patient care required for clinical practice.

This information is correct as at 19/12/2014. For the most up-to-date course information, visit [http://www.student.qut.edu.au/study/units/](http://www.student.qut.edu.au/study/units/) CRICOS No.00213)
Experience in clinical departments is vital to developing clinical competence and this unit is designed to build on the experience gained in previous units to further develop students’ clinical and interpersonal skills. Continuing commitment to reflective practice will empower students to move towards autonomous learning. After completion of this Unit students should be able to assist with the full range of clinical procedures and have clear ideas about how to organise their clinical learning in relation to their future personal and professional development.

**CSB053 Clinical Radiography 3**
- **Pre-requisites**: CSB044 or PCB479
- **Equivalents**: PCB581-1
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**CSB056 Computed Tomography Imaging**
- **Pre-requisites**: LQB390
- **Equivalents**: PCB681
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit covers both the technological and clinical aspects of 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.

**CSB053 Clinical Radiography 3**
- **Pre-requisites**: CSB053-1 or PCB581-1
- **Equivalents**: PCB585-1-2
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

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.

**CSB056 Specialised Radiotherapy Technique**
- **Pre-requisites**: (CSB054 or PCB587) and (CSB055 or PCB595)
- **Equivalents**: PCB687
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

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.

**CSB060 Project**
- **Pre-requisites**: CSB061-1 or PCB672-1
- **Equivalents**: PCB672-2
- **Credit Points**: 6
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.)

**CSB061 Project**
- **Pre-requisites**: CSB041 or PCB476 or CSB043 or PCB397-2
- **Equivalents**: PCB600
- **Other requisites**: Prior qualification in medical research science is required to enrol

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.
This 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.

**CSB066 Clinical Radiotherapy 4**

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<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
<th>Equivalents</th>
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</thead>
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<td>2014 SEM-2 (INT); 2014 SUM (INT)</td>
<td>PCB591-2</td>
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</table>

Experience in clinical departments is vital to developing clinical competence and this unit is designed to build on the experience gained in previous units to further develop students' clinical and interpersonal skills. Continuing commitment to reflective practice will empower students to move towards autonomous learning. After completion of this unit students should be able to assist with the full range of clinical procedures and have clear ideas about how to organise their clinical learning in relation to their future personal and professional development.

**CSB111 Foundations of Clinical Practice**

<table>
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<tr>
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<th>Campus</th>
<th>Teaching Periods</th>
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<td>12</td>
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<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

Clinical health professionals work in multi disciplinary teams within the health care system to provide optimal care to individuals and communities. The nature and standards of professional practice are determined by government and professional organisations, and the scope of clinical practice for clinicians evolves in response to community needs. There is a community expectation that clinical health care professionals will be effective communicators who engage in ethical practice that is continually improved through ongoing reflection. This unit introduces students to these concepts as they apply to professional practice.

**CSB330 Foundations of Paramedic Practice 1**

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<tr>
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<th>Campus</th>
<th>Teaching Periods</th>
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<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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.

**CSB331 Paramedic Clinical Practice 1**

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<th>Campus</th>
<th>Teaching Periods</th>
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<td>2014 SEM-2 (INT); 2014 SUM (INT)</td>
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</table>

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]

**CSB332 Foundations of Paramedic Practice 2**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
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<th>Teaching Periods</th>
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<td>2014 SEM-2 (INT)</td>
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**CSB333 Foundations of Paramedic Practice 3**

<table>
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<th>Teaching Periods</th>
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</thead>
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**CSB334 Research and Evidence Based Practice for Paramedics**

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**CSB335 Paramedic Management of Cardiac, Respiratory and Neuro Emergencies**

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<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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</thead>
<tbody>
<tr>
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<td>2014 SEM-1 (INT)</td>
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</table>

**CSB336 Paramedic Management of Medical and Surgical Emergencies**

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<thead>
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<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSB333 or PUB383 or PUB390</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
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</table>

**CSB337 Paramedic Management of Trauma and Environmental Emergencies**

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<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSB333 or PUB383 or PUB390</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
</tr>
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</table>

**CSB338 Ethics and the Law in Health Service Delivery**

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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</thead>
<tbody>
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<td>PUB466</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
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</table>

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.

**CSB339 Paramedic Management of Lifespan Emergencies**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSB333 or PUB383 or PUB390</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
</tr>
</tbody>
</table>
CSB340 Major Incident Management

Pre-requisites: (CSB335 or PUB451) and (CSB336 or PUB452) and (CSB337 or PUB453)
Equivalents: PUB567
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

CSB341 Mental Health Issues in the Out-of-Hospital Environment

Pre-requisites: (CSB331 or PUB270) and (PYB007 or PYB111)
Equivalents: PUB568
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

CSB342 Paramedic Clinical Practice 2

Pre-requisites: (CSB331 or PUB270) and (CSB340 or PUB567 or PUB555). CSB340 can be studied in the same teaching period as CSB342
Equivalents: PUB532
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SUM (INT)

As a third year student you have been exposed to core content of the course. You can approach this clinical practice unit with a better developed knowledge, understanding and skill base to evolve your clinical practice to the level of beginner practitioner. Over a six week period, you will be required to complete approximately 240 hours of placement to be conducted externally through the Queensland Ambulance Service. Designated unit This is a designated unit. Designated units include professional experience units, units requiring the development of particular skills, and units requiring the demonstration of certain personal qualities, and are deemed to be critical to progress in your course. At the end of each semester, if you fail to achieve a passing grade in this unit you may be eligible for a period of probation or exclusion.

CSB344 Integrated Paramedic Practice (Capstone)

Pre-requisites: CSB343 or PUB673 or PUB570.
CSB343 can be studied in the same teaching period as CSB344
Equivalents: PUB679
Credit Points: 12
Campus: null

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.

CSB345 Transition to Professional Paramedic Practice

Pre-requisites: CSB343 or PUB673 or PUB570.
CSB343 can be studied in the same teaching period as CSB345
Equivalents: PUB680
Credit Points: 12
Campus: null

This unit prepares 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.

CSB346 Transition to Professional Paramedic Practice (Capstone)

Pre-requisites: CSB343 or PUB673 or PUB570.
CSB343 can be studied in the same teaching period as CSB346
Anti-requisites: CSB344, CSB345
Equivalents: PUB680
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

This is the final unit (capstone) in the series of paramedic units that provide you with the opportunity to consolidate the knowledge, skills and attributes required for safe, competent and professional practice in the health workplace as a beginning level graduate paramedic. Learning outcomes of this unit build on the core content of the course. You can approach this clinical practice unit with a better developed knowledge, understanding and skill base to evolve your clinical practice to the level of beginner practitioner. Over a six week period, you will be required to complete approximately 240 hours of placement to be conducted externally through the Queensland Ambulance Service. Designated unit This is a designated unit. Designated units include professional experience units, units requiring the development of particular skills, and units requiring the demonstration of certain personal qualities, and are deemed to be critical to progress in your course. At the end of each semester, if you fail to achieve a passing grade in this unit you may be eligible for a period of probation or exclusion.

CSB420 Introduction to Pharmacy Practice

Pre-requisites: (PYB007 or CSB111)
Equivalents: PCB208
Credit Points: 12
Campus: null

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.

CSB424 Pharmacy Practice 1

Pre-requisites: CSB420 and CSB433. CSB433 can be studied in the same teaching period as CSB430
Equivalents: PCB308
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

A principle role of pharmacists is to dispense and provide advice on the use of 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. 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.

CSB433 Pharmaceutical Chemistry and Pharmacology 1

Pre-requisites: LQB182 and CVB101
Equivalents: SCB338
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

Pharmacists require a detailed understanding of the physicochemical 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.

CSB440 Pharmacy Practice 2

Pre-requisites: CSB430 and CSB433. CSB433 can be studied in the same teaching period as CSB440
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.

### CSB442 Pharmacokinetics

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<th>Equivalents</th>
<th>SCB428</th>
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<tr>
<td>Credit Points</td>
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<td>Gardens Point</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
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</table>

This unit presents the basic concepts of pharmacokinetics with an emphasis on clinical applications. It provides a rational approach to the establishment, optimization, and individualization of dosage regimens of drugs in patients.

### CSB443 Medicinal Chemistry and Pharmacology 2

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>CSB433</th>
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<tbody>
<tr>
<td>Equivalents</td>
<td>SCB438</td>
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<tr>
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<td>Gardens Point</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
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</table>

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, cholinerigic, 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.

### CSB450 Pharmacy Practice 3

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>CSB440 and CSB453. CSB453 can be studied in the same teaching period as CSB450</th>
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</thead>
<tbody>
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<td>Equivalents</td>
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<tr>
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<td>Gardens Point</td>
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<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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</table>

This unit will focus on the professional interaction of pharmacists with patients suffering from endocrine diseases, in particular diabetes, a variety of central nervous system (CNS) disorders including epilepsy, insomnia, anxiety and depression, Alzheimer’s and Parkinson’s disease, addiction and patients experiencing strong and debilitating pain from other disease states. Additionally, you will learn how to interact with patients withdrawing from drugs of addiction and the quality use of the both pharmacological and non-pharmacological therapies available for their treatment. This unit will also provide you with further knowledge and skills in the preparation of extemporaneous pharmaceutical preparations in common demand in today’s health care environment.

### CSB452 Pharmaceuticals 1

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<th>Equivalents</th>
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<td>Credit Points</td>
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<td>Gardens Point</td>
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<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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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 drug 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.

### CSB453 Pharmacology 3

<table>
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<tr>
<th>Pre-requisites</th>
<th>CSB443</th>
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<tr>
<td>Equivalents</td>
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<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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.

### CSB460 Pharmacy Practice 4

<table>
<thead>
<tr>
<th>Pre-requisites</th>
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<td>Gardens Point</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
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</table>

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.

### CSB461 Pharmacogenomics and Drug Metabolism

<table>
<thead>
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<tbody>
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<td>Credit Points</td>
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</table>

This unit extends the students knowledge of pharmacology and pharmacokinetics to the impact of the patient’s genetic composition to drug effects. Parkinson's disease, addiction and patients experiencing strong and debilitating pain from other disease states. Additionally, you will learn how to interact with patients withdrawing from drugs of addiction and the quality use of the both pharmacological and non-pharmacological therapies available for their treatment. This unit will also provide you with further knowledge and skills in the preparation of extemporaneous pharmaceutical preparations in common demand in today’s health care environment.

### CSB462 Pharmaceuticals 2

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<th>Pre-requisites</th>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
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</table>

This unit is designed to extend the knowledge base of pharmacy students in the discipline of pharmacology 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.

### CSB463 Pharmacotherapeutics 1

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<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
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</table>

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.
communicate drug knowledge to patients.

**CSB473 Pharmacotherapeutics 2**

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<th>Co-requisites</th>
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</table>

The 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 pharmacoeconomic consideration for the individual patient, drug-drug interactions and pharmacoeconomics considerations.

**CSB470 Pharmacy Practice 6**

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<th>Pre-requisites</th>
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<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<td>SCB808</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
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</table>

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 and therapies 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.

**CSB475 Pharmacy Management 1**

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<th>Co-requisites</th>
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<th>Credit Points</th>
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<th>Teaching Periods</th>
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<td>SCB758</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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.

**CSB476 Professional Placements 1**

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<th>Co-requisites</th>
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<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<td>12</td>
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<td>2014 SEM-1 (INT)</td>
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</table>

The role of a contemporary pharmacist in providing healthcare products and advice consists of a 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.

**CSB480 Pharmacy Practice 6**

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<th>Credit Points</th>
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<td>SCB808</td>
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<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
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</table>

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 an experiential log book.

**CSB470 Pharmacy Practice 6**

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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.

**CSB475 Pharmacy Management 1**

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Professional practice as a podiatrist requires the integration of a wide range of knowledge, skills and personal attributes in the clinical setting. This unit introduces you to the clinical, theoretical and professional domains of podiatric practice. Students in this unit begin the transition to the unique and challenging role of clinician, as well as continuing academic learning. The application of prior knowledge e.g. anatomy, physiology and the acquisition of new knowledge, are encouraged through a case-based approach. Principles of evidence-based practice are introduced in a podiatric context.

**CSB485 Pharmacy Management 2**

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This unit builds on the foundational knowledge and clinical skills acquired in Podiatric Medicine 1 enabling you to consolidate these skills and begin to effectively treat patients under staff supervision. The unit introduces you to concepts in clinical biomechanics, orthoses manufacture, the assessment and prescription of footwear, management of common foot conditions, the study of material medica and health issues in ageing and diabetes. The content is developed to enable you to integrate information from
other units (Disease Processes, and Microbiology).

CSB523 Podiatric Clinical Gait Analysis

Pre-requisites: LSB235
Equivalents: PUB532
Credit Points: 12
Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

The evidence provided by gait analysis technology is quantitative and facilitates sound clinical decision making. In order to select appropriate interventions it is necessary to evaluate gait and determine the musculoskeletal and neurological factors which influence lower limb disorders. The process of data collection, data selection and case evaluation in gait analysis is therefore fundamental and underpins the greater part of podiatry practice. It is important that these skills are acquired early in the course.

CSB524 Rehabilitation Medicine and Physical Therapies

Pre-requisites: CSB521 or PUB539
Equivalents: PUB538
Credit Points: 12
Campus: null

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.

CSB525 Podiatric Medicine and Clinical Practice

Equivalents: PUB432
Credit Points: 24
Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

This unit has been specifically designed for students with a degree in podiatry. It is designed to give practitioners insight into medical conditions, their effects on both general and foot health, and an understanding of how appropriate foot care may be delivered with these factors in mind.

CSB531 Radiographic Image Interpretation

Pre-requisites: CSB521 or CSB522 or CSB525 or PUB439 or PUB442. CSB521 can be studied in the same teaching period as CSB531
Equivalents: PUB537
Credit Points: 12
Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

Diagnostic imaging is an integral part of contemporary podiatry practice. As a registered podiatry practitioner you are legally entitled to authorise the taking of x-rays for diagnostic purposes. The knowledge and skills covered in this unit are applied in various clinical settings on a regular basis.

CSB532 Medicine

Pre-requisites: CSB522 or CSB525 or PUB439 or PUB442
Co-requisites: CSB530
Equivalents: PUB438
Credit Points: 12
Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

Many of the patients treated by podiatrists present with co-morbidity which affects their foot health. This unit is designed to give practitioners insight into medical conditions, their effects on both general and foot health, and an understanding of how appropriate foot care may be delivered with these factors in mind.

CSB533 Podiatric Medicine 3

Pre-requisites: CSB522 or CSB525 or PUB439 or PUB442
Equivalents: PUB539
Credit Points: 12
Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

The key elements of the National Podiatry Competency Standards which focus on the physical examination and diagnosis of foot pathology of a biomechanical nature will be the guiding principles underpinning this unit. The unit allows you to further develop clinical practice skills by integrating content from other units such as Pharmacotherapeutics for Podiatrists, Disease Processes, Medicine, and Podiatric Radiology.

CSB534 Podiatric Medicine 4

Pre-requisites: CSB533
Equivalents: PUB639
Credit Points: 12
Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

Podiatrists are required to exercise high level clinical judgement in diverse settings. This unit is designed to give students the knowledge and skills associated with the safe administration of local anaesthetics and performance of minor surgical techniques.

CSB535 Podiatric Anaesthesiology

Pre-requisites: CSB530 and CSB532 and CSB533
Equivalents: PUB522
Credit Points: 12
Campus: null

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]

CSB536 Clinical Therapeutics for Podiatrists

Pre-requisites: CSB532 and (CSB530 or LS584)
Co-requisites: CSB534
Equivalents: PUB662
Credit Points: 12
Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

Podiatrists make clinical decisions which are complex and require the practitioner to consider legal, ethical, pharmacological, medical and patient factors as they determine the most efficacious therapeutic approaches to treatment. This unit provides a basis to acquire the practical skills to complete this task.

CSB537 Orthopaedics and Sports Medicine

Pre-requisites: CSB531 and CSB533
Equivalents: PUB638
Credit Points: 12
Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

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.

CSB539 Podiatric Anaesthesiology and Surgery

Pre-requisites: CSB530 and CSB532 and CSB533
Credit Points: 12
Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

Podiatrists routinely perform surgery under local anaesthetics in a range of clinical settings. This unit is designed to give students the knowledge and skills associated with the safe administration of local anaesthetics and performance of minor surgical techniques.

CSB541 Professional Placement 1

Pre-requisites: CSB545 or PUB739. CSB545 can be studied in the same teaching period as CSB541
Equivalents: PUB738
Credit Points: 12

This placement is designed for students who are commencing patient management at the QUT Podiatry clinic.

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.002133
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/. CRICOS No.00213J

**CSB542 Professional Placement 2**

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<td>Teaching Periods</td>
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Workplace Integrated Learning (WIL) is integral to QUT’s approach to learning and teaching. Professional competency requires an appreciation of foot health needs in the community, understanding of the role of podiatrists within the broader healthcare system, and capacity for team work and collaboration with a range of health professionals in an interdisciplinary environment. This unit will develop students’ capacity for reflection and form the basis for lifelong learning in professional practice. Professional Placement 2 will build upon workplace integrated learning experiences in Professional Placement 1. This final semester unit is designed to prepare students for entry into the workplace upon graduation as registered health professionals.

**CSB543 Podiatric Surgery**

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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.

**CSB544 Transition to the Clinical Profession**

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<td>Teaching Periods</td>
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The unit identifies the legal, ethical, financial and professional frameworks that guide practice management in the public and private health sectors. As pre-professionals, students combine administrative and organisational skills to ensure the delivery of safe, effective, high quality health services in compliance with relevant laws, policies and guidelines. Essential knowledge in accounting, marketing, human resources, project management and professional management is applied to ‘real world’ tasks to prepare the student for transition to the management responsibilities of professional practice.

**CSB545 Podiatric Medicine 5**

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**CSB546 Podiatric Medicine 6**

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In this final semester unit, students demonstrate proficiency in integrating knowledge and skills obtained throughout the course, applying them in a supervised university podiatry clinic setting. Clinical decisions are informed by relevant physical and diagnostic examinations, conducted within the framework of technological, ethical, financial and legal considerations and an evidence-based context. National and international medical, orthopaedic, pharmacological and podiatric perspectives guide the design, implementation and evaluation of complex patient management plans. At this point in the course, students will be expected to demonstrate clinical competencies at a level commensurate with national podiatry competency standards, professional guidelines and codes of conduct.

**CSN022 Cardiac Ultrasound 2**

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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.

**CSN023 Cardiac Ultrasound 3**

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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.

**CSN024 Advanced Cardiac Ultrasound**

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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.

**CSN025 Cardiac Ultrasound 1**

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<td>Teaching Periods</td>
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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).
CSN025 Principles of Medical Ultrasound

**Equivalents**  PCN162  
**Credit Points**  12  
**Campus**  Gardens Point and External  
**Teaching Periods**  2014 SEM-1 (INT, EXT)

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.

CSN026 Ultrasonic Examination 1

**Co-requisites**  CSN025  
**Equivalents**  PCN159  
**Credit Points**  12  
**Campus**  Gardens Point  
**Teaching Periods**  2014 SEM-1 (INT)

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.

CSN027 Ultrasonic Examination 2

**Pre-requisites**  CSN026 and CSN025  
**Co-requisites**  CSN033  
**Equivalents**  PCN356  
**Credit Points**  12  
**Campus**  Gardens Point  
**Teaching Periods**  2014 SEM-2 (INT)

This unit includes the ultrasound techniques used to examine the head, neck and peripheral organs and thoroughly examine the appearance of normal and abnormal anatomy and pathology. It also includes ultrasound techniques in advanced obstetrics and gynaecology and in the abdomen.

CSN028 Vascular Ultrasound

**Pre-requisites**  (CSN033 or PCN159) and (CSN027 or PCN356)  
**Equivalents**  PCN355  
**Credit Points**  12  
**Campus**  Gardens Point  
**Teaching Periods**  2014 SEM-1 (INT)

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.

CSN029 Advanced Ultrasound Topics

**Pre-requisites**  (CSN33 or PCN197-2) and (CSN27 or PCN356)  
**Equivalents**  PCN357  
**Credit Points**  12  
**Campus**  Gardens Point  
**Teaching Periods**  2014 SEM-1 (INT)

The aim of the unit is to provide you with a detailed understanding of the techniques involved in conducting an ultrasound examination in advanced obstetric applications. You will also be introduced to the applications of ultrasound techniques in paediatrics. New and evolving applications of ultrasound will be introduced.

CSN030 Cardiac Ultrasound Clinical Practice 1

**Pre-requisites**  (CSN021 or PCN333) and CSN022. CSN022 can be studied in the same teaching period as CSN031  
**Equivalents**  PCN497-1, PCN497-2  
**Credit Points**  12  
**Campus**  External  
**Teaching Periods**  2014 SEM-1 (INT)

This is the first in a series of two clinical practice units that will assist you to develop knowledge, skills and attributes required for safe, competent practice in the health workplace as a beginning level cardiac sonographer. Learning outcomes of this unit build on your past clinical experiences and inform your future development and progression through the course. This unit focuses on the clinical application of the theoretical concepts learned in other units to date throughout the course (CSN021, CSN022 and CSN025). 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. This is a designated unit. Designated units include professional experience units, units requiring the development of particular skills, and units requiring the demonstration of certain personal qualities, and are deemed to be critical to progress in your course. Failure to successfully complete the requirements of this unit may lead to a period of probation or exclusion from this course.

CSN031 Cardiac Ultrasound Clinical Practice 2

**Pre-requisites**  CSN025 and CSN026  
**Equivalents**  PCN297-1, PCN297-2  
**Credit Points**  12  
**Campus**  External  
**Teaching Periods**  2014 SEM-2 (EXT)

This unit builds on the skills, knowledge and abilities gained in the unit CSN030. Medical ultrasound is a highly specialised technique for the assessment of many areas of the human body and the developing fetus. 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 other units in the course.

CSN032 Cardiac Ultrasound Clinical Practice 3

**Pre-requisites**  CSN027 and CSN033  
**Equivalents**  PCN297-1, PCN297-2  
**Credit Points**  12  
**Campus**  External  
**Teaching Periods**  2014 SEM-2 (EXT)

This is the second in a series of two clinical practice units that will assist you to develop knowledge, skills and attributes required for safe, competent practice in the health workplace as a beginning level cardiac sonographer. Learning outcomes of this unit build on your past clinical experiences and inform your future development and progression through the course. This unit focuses on the clinical application of the theoretical concepts learned in other units to date throughout the course. 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. This is a designated unit. Designated units include professional experience units, units requiring the development of particular skills, and units requiring the demonstration of certain personal qualities, and are deemed to be critical to progress in your course. Failure to successfully complete the requirements of this unit may lead to a period of probation or exclusion from this course.

CSN033 Medical Ultrasound

**Pre-requisites**  CSN025 and CSN026  
**Equivalents**  null  
**Credit Points**  12  
**Campus**  null  
**Teaching Periods**  2014 SEM-2 (EXT)

Medical ultrasound is a highly specialised technique for the assessment of many areas of the human body and the developing fetus. This clinical practice 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.

CSN034 Medical Ultrasound Clinical Practice 2

**Pre-requisites**  CSN027 and CSN033  
**Equivalents**  PCN297-1, PCN297-2  
**Credit Points**  12  
**Campus**  External  
**Teaching Periods**  2014 SEM-2 (EXT)

This unit builds on the skills, knowledge and abilities gained in the unit CSN030. Medical ultrasound is a highly specialised technique for the assessment of many areas of the human body and the developing fetus. 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.

CSN310 Introduction to Advanced Clinical Practice

**Equivalents**  PUN220  
**Credit Points**  12  
**Campus**  null

CSN312 Cardiovascular Emergencies

**Equivalents**  PUN221  
**Credit Points**  12  
**Campus**  null

CSN313 Medical and Surgical Emergencies 1

**Equivalents**  PUN222  
**Credit Points**  12  
**Campus**  null
CSN314 Clinical and Integrated Practicum 1

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CSN315 Medical and Surgical Emergencies 2

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CSN316 Trauma and Environmental Emergencies

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CSN317 Obstetric and Paediatric Emergencies

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CSN318 Clinical and Integrated Practicum 2

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CSN500 Podiatric Therapeutics 1

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CSN501 Podiatric Therapeutics 2

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CVB101 General Chemistry

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<tr>
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CVB102 Chemical Structure and Reactivity

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<th>Campus</th>
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Chemistry relates to all aspects of our lives. An understanding of chemistry is needed to make sense of our world and to address big challenges faced by our society. Together with its companion unit General Chemistry, this unit provides you with a foundation in the science of Chemistry. It builds on the fundamental scientific concepts and skills introduced in first semester. For students majoring in Biology, it provides the chemical framework necessary for the understanding of the behaviour of organic molecules in complex biological systems.

CVB201 Inorganic Chemistry

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<th>Pre-requisites</th>
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This unit provides detailed coverage of the chemistry of inorganic compounds with particular emphasis on the bonding in complexes of transition metals, including valence bond theory and orbital hybridisation, coordination theory and crystal field theory. Aspects of molecular geometry and symmetry are also developed. The chemistry of inorganic compounds and transition metal complexes is introduced and explored deeply. The unit builds on the fundamental concepts introduced in the first year units “General Chemistry” and “Chemical Structure and Reactivity” and prepares you for the final semester units “Coordination Chemistry” and the major capstone project “Chemical Research”.

CVB202 Analytical Chemistry

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<th>Pre-requisites</th>
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<td>12</td>
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This unit is an introduction to modern chemical analysis, including some common instrumental techniques, which are firmly linked to the theory and practice of the discipline in a modern, working laboratory. You will gain essential analytical and deductive skills for chemical science as well as laboratory-based experience in sampling, treatment of samples, principles and practice of making high-quality chemical measurements with chromatographic and spectroscopic instrumentation. This unit further develops your knowledge and technical laboratory skills in chemical instrumentation and analysis. It links to the work previously undertaken in CVB101 General Chemistry and prepares you for the final semester major capstone unit CVB304 Chemistry Research Project.

CVB203 Physical Chemistry

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<th>Pre-requisites</th>
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<th>Credit Points</th>
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Chemistry is ultimately the study of change. Changes of state, the mixing of substances, chemical reactions and spectroscopic transitions are manifestations of change on an atomic and molecular level. This unit provides the tools to quantitatively analyse changes accompanying a wide variety of chemical and physical transformations. The fundamental factors that govern the extents (equilibria) and rates (kinetics) of chemical reactions can be understood in these terms. The aim of this unit is to demonstrate how reactions and chemical processes can be described, quantified and understood using macroscopic concepts and through understanding of molecular systems at the microscopic level.

CVB204 Organic Structure and Mechanisms

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<th>Pre-requisites</th>
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This unit builds on the organic chemistry knowledge and laboratory skills gained in CVB101 and CVB 102. The deeper understanding of reaction mechanisms, instrumental characterisation and stereochemistry are important in facets of all subsequent chemistry units. Perhaps most importantly, this unit will be used as the foundation for advanced studies in organic chemistry such as CVB 301 Organic Chemistry: Strategy for Synthesis and potentially your capstone research project in CVB304 Chemistry Research Project.

CVB210 Chemical Measurement Science

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the connection between the theory and practice in a relevant manner. The understanding and skills in quality measurement are complemented by further related studies in introductory chemometrics, process analytical chemistry and laboratory automation, together with a practical workshop program in these areas. The practicals and workshops give the student the opportunity to develop technical skills, analytical thinking, communication and problem-solving skills. For instance, practicals and workshops will demonstrate how near-infrared chemical measurements can be used to determine the octane number of fuels using chemometric-calibration techniques and, importantly, to define the quality of those measurements.

CVB211 Industrial Chemistry

This unit focuses on technologies central to the modern chemical industry such as catalysis and zeolites. Catalysts are used in the manufacture of 90% of all chemicals produced in the world today. As such, students will be introduced to the basic theories of catalysis and surface science. These theories will then be expanded into industrial practice by discussion of real world industries such as methanol, ammonia, formaldehyde and nitric acid synthesis. The drive towards the implementation of green chemistry will also be shown and the translation of "old chemistry" into modern sustainable processes illustrated.

CVB212 Industrial Analytical Chemistry

Modern chemical industry requires comprehensive analytical measurement relating to the raw materials, process streams and outputs in order to maintain control quality and to confer error prevention. This unit develops your knowledge and application of the fundamental principles of Analytical Chemistry upon which modern industrial analysis techniques are based. This unit is complementary to the more empirical approach adopted in "CVB202 Analytical Chemistry", providing you with grounding in the theory and practice of qualitative, quantitative gravimetric and wet chemical analysis; together with spectrometric and electrochemical methods of analysis for a wide range of industrial applications including foods and beverages, mining, metals, waste waters and related areas. This unit develops your theoretical and applied knowledge of chemical analysis and further develops your technical and laboratory skills in sample preparation, gravimetric and wet chemical methods of analysis. It links to work undertaken in CVB101 General Chemistry, preparing you for the 3rd year unit CVB220 Instrumental Analysis and the final semester major capstone unit CVB304 Chemistry Research Project, as well as a career in a chemically-based industry or industry-related research.

CVB215 Criminalistic and Physical Evidence

Criminalistics is the definitive source for forensic science because it makes the technology of the modern crime laboratory clear to the non-scientist. This unit will introduce the students to the realm of forensics and its role in criminal investigations. The student will be introduced physical evidence collection, preservation and analysis techniques. The unit will bring to the students comprehensive hands-on experience in questioned documents examination, fingerprinting, crime scene investigations and facial recognition.

CVB216 Forensic Chemistry

Forensic Chemistry is a special field of chemistry dedicated to the analysis of matter and substances which may have been used in unlawful activities, abused or caused harm to individuals or the public. A forensic chemist is a professional chemist who analyzes evidence that is brought in from crime scenes and reaches a conclusion based on tests run on that piece of evidence. In the Forensic Chemistry unit, students will gain expertise in all the major branches of chemistry (organic, inorganic, physical and especially analytical) as related to forensic investigations. The analytical aspect of the course has been broadened from a more traditional chemistry focus to include modern and special types of analysis of importance to forensic science.

CVB217 Digital Forensics

The widespread use of computers, mobile phones, PDAs, digital cameras, USB drives, the internet, etc in everyday activities result in mass amount of electronically stored information. The information may be related to unlawful activities and cyber space security. Finding, interpreting and presenting such digital evidence in a manner that is acceptable to the investigating authorities and the court system is complicated and requires special skills in digital evidence analysis. This unit aims at introducing core knowledge and hands-on experience in relation to this modern discipline. The analytical aspect of the course will introduce the nature of the digital forensic evidence and the tools to find, analyze and interpret the electronic evidence.

CVB218 Drug Discovery and Design

This unit provides a brief introduction to the history and evolution of drug discovery, including the role of the pharmaceutical industry, to current-day methods including rational computer-aided drug design, drug targets and screening libraries. Case studies may include synthetic hormones, narcotics, chemotherapeutic agents and performance-enhancing compounds. You will be introduced to the concepts of chemical structure and structure-activity relationships. The unit complements ‘Drug Action’ offered in the same semester.

CVB219 Process Principles

This unit fosters a deeper understanding of the unit operations which are the main components in process flow diagrams. The students will be introduced to among other concepts in the water and wastewater treatment industry disinfection, filtration, ion exchange, adsorption and desalination. Complementary theory regarding mass and heat transfer operations will also be used to ultimately provide a comprehensive overview of water treatment and chemical processes. This unit aims to bridge the gap between academic learning and industrial practice. Examples relating to key industries such as the coal seam gas, mining, manufacturing and wastewater sectors will be provided and cutting edge problems discussed. Students will learn the key skills which industry expects graduates to possess in order to rapidly integrate into project teams.

CVB222 Forensic Analysis of Bio-active Compounds

This unit provides you with an introduction to the basics of analytical testing, detection and identification of synthetic and natural bio-active substances that are frequently encountered in pharmaceutical, forensic and environmental industries. You will also be introduced to biomedical informatics as applied to the discovery of new diagnostic techniques. The unit will introduce modern instrumental analytical platforms such as spectroscopy, chromatography and immunnoassay. The unit will also outline the internationally-recognised quality framework of ISO/IEC 17025 for testing and calibration, in the context of a practical laboratory program.

CVB225 Forensic Biology and Analytical Toxicology

The extensive use of biological evidence to identify...
Victims and offenders as well as indicate attempts to control victims prior to abuse or attack has had a significant bearing, in recent years, on the course of law enforcement investigations, criminal court proceedings, and victim service provider issues. DNA evidence arguably has become the most well known type of forensic evidence, probably because it can be uniquely identifying and because it is the genetic blueprint of the human body. In addition, analytical toxicology has become an essential tool to identify some the conditions under which a crime was attempted. For these reasons, DNA, Osteology and Toxicology evidence have become a high influential piece of the crime puzzle. In this unit the students will be introduced to the concepts of DNA profiling and analytical toxicology and their applications in forensic case work. The students will develop the necessary skills for analysing and interpreting the DNA and toxicology evidences. The students will also be introduced to the basic concepts of forensic anthropology. This will be through the study of the theory, hands-on practices relevant to real life scenarios as well as training on the forensic interpretation of the evidence.

**DAB103 Architectural Visualisation 1**

- **Equivalents**: DEB103
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

Architects 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 basic skills and techniques you’ll need to support this design visualisation with a focus on analogue media, simple model making, and fundamental drawing skills; both technical and expressive/exploratory.

**CVB310 Chemical Measurement Science**

- **Credit Points**: 12
- **Campus**: null

Modern instrumental methods are capable of producing large quantities of data and it is becoming common practice to use data driven chemometric and cheminformatics techniques as an adjunct to instrumental analysis. These techniques are introduced through a project-based investigation of bio-analytically related datasets where you develop understanding of applications of instrumental analysis and further develop your analytical thinking, problem-solving, communication and deductive skills using real world examples. This unit builds upon the theoretical and practical framework for chemical analysis in the unit CVB202 Analytical Chemistry to develop advanced instrumental and analysis techniques for modern laboratory practice.

**DAB110 Architectural Design 1**

- **Pre-requisites**: DAB103 can be studied in the same teaching period as DAB110
- **Equivalents**: ADB001
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**CVB320 Instrumental Analysis**

- **Pre-requisites**: CVB202
- **Equivalents**: PQB513
- **Credit Points**: 12
- **Campus**: null

**DAB203 Architectural Visualisation 2**

- **Pre-requisites**: DAB103
- **Equivalents**: DEB203
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

The unit DAB103 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 of skills development, and integrates digital techniques (computer aided design) with analogue approaches; further developing your ability to imagine and test architectural designs through visual mean.

**CZB190 Chemistry for Health Sciences**

- **Anti-requisites**: CVB101, CVB102
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

The study of chemistry forms an important foundation for all students of the health sciences. The organisation of the human body begins with chemicals (atoms and molecules) making up its simplest or smallest scale level of organisation. Chemistry allows us to understand how cells, tissues and organs are formed, how these substances react with each other and their environment, and how these substances behave. This unit will develop the essential concepts of chemistry necessary for students studying health and biological science with topics introduced and applied in a contextualised manner relevant to their discipline. As part of your early biomedical science training, you need to explore the chemical composition of the human body and have an understanding of chemical processes.

**DAB210 Architectural Design 2**

- **Pre-requisites**: DAB203, DAB203 can be studied in the same teaching period as DAB210
- **Equivalents**: ADB002
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

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 in 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.

**DAB220 Architecture, Culture and Place**

- **Pre-requisites**: DAB110
- **Equivalents**: ADB003
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

The concept of place is highly significant to architectural thought and production. This introductory unit surveys the concept of place in the discourse and practice of architecture and explores how place is in understood, interpreted and made in a range of cultural, historical and physical contexts.

**DAB310 Architectural Design 3**

- **Pre-requisites**: DAB110
- **Equivalents**: ADB003
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**DAB325 Architecture in the 20th Century**

- **Pre-requisites**: ADB011
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**DAB330 Integrated Technologies 1**

- **Credit Points**: 12
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.

**DAB403 Architectural Visualisation 3**

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<td>Credit Points</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
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</tbody>
</table>

Architects recognise that visualisation or communication of process, decisions and outcomes is crucial. To date, you have learnt how to effectively communicate your architectural intentions using both analogue and digital means. However, the skills you have acquired have been primarily intended for the communication of design. For architects, the ability to communicate technical intentions is equally important. As such, this unit will equip you with technical communication and documentation skills using Building Information Modelling (BIM).

**DAB410 Architectural Design 4**

<table>
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<tr>
<th>Pre-requisites</th>
<th>DAB210</th>
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<tr>
<td>Equivalents</td>
<td>ADB04</td>
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<tr>
<td>Credit Points</td>
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<td>Campus</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
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</table>

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, typology, 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.

**DAB420 Architecture, Culture and Space**

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<th>Credit Points</th>
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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.

**DAB435 Architectural Technology 1**

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<tr>
<th>Pre-requisites</th>
<th>DAB310</th>
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<tr>
<td>Equivalents</td>
<td>ADB005</td>
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<td>Credit Points</td>
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<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
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</table>

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.

**DAB510 Architectural Design 5**

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<th>Pre-requisites</th>
<th>DAB510</th>
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<tr>
<td>Equivalents</td>
<td>ADB006</td>
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<td>Credit Points</td>
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<td>Campus</td>
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<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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.

**DAB525 Architecture and the City**

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<th>Equivalents</th>
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<td>Credit Points</td>
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<td>Campus</td>
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<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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.

**DAB530 Integrated Technologies 2**

<table>
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<th>Pre-requisites</th>
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<tr>
<td>Equivalents</td>
<td>ADB024</td>
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<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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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.

**DAB610 Architectural Design 6**

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<th>Pre-requisites</th>
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<td>Equivalents</td>
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<td>Credit Points</td>
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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.

**DAB635 Architectural Technology 2**

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<th>Pre-requisites</th>
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<td>Equivalents</td>
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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.

**DAB710 Architectural Design 7**

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<th>Pre-requisites</th>
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<tr>
<td>Equivalents</td>
<td>ADB007</td>
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<td>Credit Points</td>
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<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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

This information is correct as at 19/12/2014. For the most up-to-date course information, visit [http://www.student.qut.edu.au/study/units/](http://www.student.qut.edu.au/study/units/) CRICOS No.00213J
judgement that enables the identification of design opportunities at an urban scale that inform architectural design decisions.

**DAH510 Architectural Design 5**

- **Pre-requisites**: DAB410
- **Equivalents**: ADN014, ADB014
- **Credit Points**: 12
- **Campus**: Gardens Point

This unit offers a focused intermediate level investigation into the field of architectural design. 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.

**DAH650 Architectural Design 6**

- **Pre-requisites**: DAB410
- **Equivalents**: ADN053, ADB053
- **Credit Points**: 12
- **Campus**: Gardens Point

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.
**DAN201 Master Studio B**

**Credit Points**: 24

**Campus**: Gardens Point

**Teaching Periods**: 2014 SEM-2 (INT)

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. Designing requires synthesis of a range of abstract issues to achieve focused architectural proposals, explored and developed to a professional standard.

**DEB101 Introducing Design**

**Credit Points**: 12

**Campus**: Gardens Point

**Teaching Periods**: 2014 SEM-1 (INT)

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, undertaking a stimulating and immersive environment. This unit covers content of problem solving, team work, visualisation and communication, and environmental awareness.

**DEB202 Introducing Design History**

**Equivalents**: DEB102, DEB202

**Credit Points**: 12

**Campus**: Gardens Point

**Teaching Periods**: 2014 SEM-2 (INT)

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 will be addressed and fostered by students working through a collaborative design studio. Collaboration is considered a significant aspect of the preparation of design students for future professional practice. 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 students 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.

**DEB211 Sustainable Design Systems**

**Equivalents**: BEB213

**Credit Points**: 12

**Campus**: Gardens Point

This subject familiarises students with concepts concerning building performance and how they inform design considerations during conceptual exploration.

**DEB201 Design and Sustainability**

**Equivalents**: BEB100, BEB200, DED100, ENB100, UDB100

**Credit Points**: 12

**Campus**: Gardens Point

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.

Software and tools that allow different aspects of sustainability to be analysed in the early design stages will be introduced to demonstrate how performance considerations can influence form-finding. This will contribute to the development of more holistic approaches to design that result in more sustainable building outcomes.

**DEB212 Advanced Collaboration**

**Pre-requisites**: DEB110 or BEB210

**Equivalents**: BEB212

**Credit Points**: 12

**Campus**: null

**DEB213 Sustainable Design Systems**

**Equivalents**: BEB213

**Credit Points**: 12

**Campus**: null

This unit develops your knowledge, skills and application of urban design theory and practice through problem-based learning in the studio.

**DEB502 Mapping Cities**

**Credit Points**: 12

**Campus**: null

**DEB503 Urban Design Studio X**

**Credit Points**: 12

**Campus**: null

This unit develops your knowledge, skills and application of urban design theory and practice through problem-based learning in the studio.

**DEB601 Collaborative Design**

**Credit Points**: 12

**Campus**: Gardens Point

**Teaching Periods**: 2014 SEM-2 (INT)

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 students 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.

**DEB701 Research Methods**

**Credit Points**: 12

**Campus**: Gardens Point

**Teaching Periods**: 2014 SEM-1 (INT)

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, undertaking a stimulating and immersive environment. This unit covers content of problem solving, team work, visualisation and communication, and environmental awareness.

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.

Software and tools that allow different aspects of sustainability to be analysed in the early design stages will be introduced to demonstrate how performance considerations can influence form-finding. This will contribute to the development of more holistic approaches to design that result in more sustainable building outcomes.
Units

DEN510 Urban Design Studio A
Equivalents PSP452
Credit Points 12
Campus Gardens Point

This unit is your first landscape design studio, introducing you to foundational landscape design knowledge, skills, and applications. You will acquire these in stages, covering a range of design principles, theories and processes which you will apply to real or simulated design scenarios. The first stage is an immersion in, and familiarisation with, landscape's structural and compositional relationships and ways to interpret and express these. Next you will learn to apply basic design problem solving processes to articulate landscape design propositions in response to your interpretations. You will learn and experiment with design and discipline-specific language including application of the representational techniques you will learn in the co-requisite unit DLB103 Visualisation 1. This studio prepares you for the ongoing series of landscape design studio units.

DEN521 Theory Research Project B
Equivalents DBP501
Credit Points 12
Campus Gardens Point

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.

DEN520 Urban Design Studio B
Credit Points 12
Campus Gardens Point

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.

DEN511 Theory Research Project A
Equivalents PSN211
Credit Points 12
Campus Gardens Point

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.

DEN502 Mapping Cities
Credit Points 12
Campus null

This unit introduces and consolidates key issues in discussions 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.

DEN501 Cities in History - urban housing
Credit Points 12
Campus null

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 study and 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

DEN503 Urban Design Studio X
Pre-requisites DEN501 and DEN502 can be enrolled in the same teaching period as DEN503.
Credit Points 12
Campus null

This unit introduces you to foundational manual (non-digital) landscape visualisation skills and applications. Visualisation is the ability to imagine and give form to design ideas. Landscape designers work in four dimensions and thus employ a variety of tools to think about and communicate three- and four-dimensional ideas. This unit introduces you to the skills and techniques you’ll need to support this design visualisation with a focus on analogue (non-digital) media, manual drawing skills and simple model making. You will learn and experiment with design and discipline-specific language including application of these representational techniques in the co-requisite unit DLB100. This pairing of units prepares you for the ongoing series of landscape design studio units.

DEN502 Mapping Cities
Credit Points 12
Campus null

This unit introduces you to foundational level landscape design studio, building on the foundational knowledge, skills and applications you learnt in DLB100 and DLB103. In it you will explore landscape as an experiential, spatial and temporal expression of cultural meaning. You will experiment with the interpretation and design of landscape using your own body to ‘read’ local landscapes, and how they are culturally designated. You will experiment with development processes and the language of landscape design to articulate new perceptions of landscape experiences, places, times and scales, and design propositions to transform the landscape. You will experiment with application of the representational techniques you will learn in DLB203 Visualisation 2. This studio prepares you for your second year, intermediate level design studios, beginning with DLB300.

DEN501 Cities in History - urban housing
Credit Points 12
Campus null

This unit introduces you to foundational level landscape design studio, building on the foundational knowledge, skills and applications you learnt in DLB100 and DLB103. In it you will explore landscape as an experiential, spatial and temporal expression of cultural meaning. You will experiment with the interpretation and design of landscape using your own body to ‘read’ local landscapes, and how they are culturally designated. You will experiment with development processes and the language of landscape design to articulate new perceptions of landscape experiences, places, times and scales, and design propositions to transform the landscape. You will experiment with application of the representational techniques you will learn in DLB203 Visualisation 2. This studio prepares you for your second year, intermediate level design studios, beginning with DLB300.

DEN502 Mapping Cities
Credit Points 12
Campus null

This unit introduces you to foundational level landscape design studio, building on the foundational knowledge, skills and applications you learnt in DLB100 and DLB103. In it you will explore landscape as an experiential, spatial and temporal expression of cultural meaning. You will experiment with the interpretation and design of landscape using your own body to ‘read’ local landscapes, and how they are culturally designated. You will experiment with development processes and the language of landscape design to articulate new perceptions of landscape experiences, places, times and scales, and design propositions to transform the landscape. You will experiment with application of the representational techniques you will learn in DLB203 Visualisation 2. This studio prepares you for your second year, intermediate level design studios, beginning with DLB300.

DEN503 Urban Design Studio X
Pre-requisites DEN501 and DEN502 can be enrolled in the same teaching period as DEN503.
Credit Points 12
Campus null

This unit introduces you to foundational level landscape design studio, building on the foundational knowledge, skills and applications you learnt in DLB100 and DLB103. In it you will explore landscape as an experiential, spatial and temporal expression of cultural meaning. You will experiment with the interpretation and design of landscape using your own body to ‘read’ local landscapes, and how they are culturally designated. You will experiment with development processes and the language of landscape design to articulate new perceptions of landscape experiences, places, times and scales, and design propositions to transform the landscape. You will experiment with application of the representational techniques you will learn in DLB203 Visualisation 2. This studio prepares you for your second year, intermediate level design studios, beginning with DLB300.

DEN501 Cities in History - urban housing
Credit Points 12
Campus null
efficiently explore and express complex landscape ideas. The range of software available offers you a selection of methods to capture and rapidly explore the complex three-dimensional forms and ephemeral temporal processes (the fourth dimension) that characterise landscapes. You will learn and experiment with design and discipline-specific language including application of these representational techniques in the co-requisite unit DLB200 Landscape Design 2. This pairing of units prepares you for your second year, intermediate level design studios, beginning with DLB300.

**DLB230 Landscape Horticulture**

**Equivalents:** PSB442

**Credit Points:** 12

**Campus:** null

This introductory level unit builds on the foundational knowledge of environmental sustainability you learnt in DEB100, and the knowledge, skills and applications you learnt in your first year core landscape architecture units. This unit introduces you to scientific, horticultural and plant design principles and the basic plant sciences (botany, ecology and horticulture) including: botanical nomenclature, morphology, plant forms, assemblages and systems, and plant cultivation requirements. You will apply this knowledge to develop and articulate sustainable site-based planting design propositions, and extend the communication techniques you learnt in DLB102 and DLB203 to learn the specific conventions of planting design communication. This unit prepares you for your first intermediate level landscape design studio DLB400 and further studies in environmental science in DLB420.

**DLB240 Landscape Technology**

**Pre-requisites:** DLB103

**Equivalents:** DLB430

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-2 (INT)

This introductory level unit builds on the foundational knowledge of design you learnt in DEB201. In it, you will explore theories of environment and behaviour, place-making and environmental psychology, including how people perceive and respond to landscapes both individually and collectively. You will study a wide range of foundational concepts developed from the 1960s to the present, regarding human interactions and relationships with the environment, essential to the formulation of sustainable landscape design propositions. You will explore and apply this knowledge in stages, including a site-specific project to develop your critical thinking and research skills. This unit extends the communication techniques you learnt in DEB100 to a wider range of written and visual methods of investigation and communication. It prepares you for further expansion of your intermediate level design understanding and skills in DLB400 and independent interpretation of the effects of past and present landscape designs in your third year unit DLB525.

**DLB300 Landscape Design 3**

**Pre-requisites:** DLB100

**Equivalents:** DLB310

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-1 (INT)

This intermediate level landscape design studio unit builds on the foundational knowledge, skills and applications you learnt in first year, and in DLB235. In it you will explore theories of environment and behaviour, place-making and environmental psychology, including how people perceive and respond to landscapes both individually and collectively, building on your understanding of landscape as a cultural expression developed in DLB200. You will engage in the application of these theories for systematic landscape appraisal and design development to articulate sustainable site-based design propositions. You will further develop your application of the representational techniques learnt in DLB103 and DLB203, consolidating the details of landscape design communication conventions as well as experimentation. This studio prepares you for the consolidation of your intermediate level design skills in DLB400.

**DLB320 Landscape Horticulture**

**Equivalents:** DLB230

**Credit Points:** 12

**Campus:** null

This introductory level unit builds on the foundational knowledge of environmental sustainability you learnt in DEB100, and the knowledge, skills and applications you learnt in your first year core landscape architecture units. This unit introduces you to scientific, horticultural and plant design principles and the basic plant sciences (botany, ecology and horticulture) including: botanical nomenclature, morphology, plant forms, assemblages and systems, and plant cultivation requirements. You will apply this knowledge to develop and articulate sustainable site-based planting design propositions, and extend the communication techniques you learnt in DLB102 and DLB203 to learn the specific conventions of planting design communication. This unit prepares you for your first intermediate level landscape design studio DLB400 and further studies in environmental science in DLB420.

**DLB325 People and Place**

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-1 (INT)

This introductory level unit builds on the foundational knowledge of design you learnt in DEB201. In it, you will explore theories of environment and behaviour, place-making and environmental psychology, including how people perceive and respond to landscapes both individually and collectively. You will study a wide range of foundational concepts developed from the 1960s to the present, regarding human interactions and relationships with the environment, essential to the formulation of sustainable landscape design propositions. You will explore and apply this knowledge in stages, including a site-specific project to develop your critical thinking and research skills. This unit extends the communication techniques you learnt in DEB100 to a wider range of written and visual methods of investigation and communication. It prepares you for further expansion of your intermediate level design understanding and skills in DLB400 and independent interpretation of the effects of past and present landscape designs in your third year unit DLB525.

**DLB400 Landscape Design 4**

**Pre-requisites:** DLB200

**Equivalents:** DLB410

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-2 (INT)

This intermediate level landscape design studio unit builds on the foundational knowledge, skills and applications you learnt in DEB201 and DLB230. In conjunction with the unit DLB400, you will explore theories of landscape ecology and regional ecosystems theory, with geomorphologic and human processes in landscape formation. Landscape architects need to understand the systems that create and are created by the landscape, and so this unit will develop your ability to comprehend the interconnectedness of landscape structures, systems, processes and development essential to the formation of sustainable landscape design propositions. You will apply this knowledge in a semester long landscape study project, extending the communication techniques you learnt in DEB100 to learn the specific conventions of scientific reporting. This unit expands your understanding of landscape from a small site to a broad and holistic level, preparing you for expanding your intermediate level design skills in DLB500 and learning landscape planning theory and application in DLB700.

**DLB440 Landscape Construction**

**Pre-requisites:** DLB240

**Equivalents:** DLB330

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-2 (INT)

This intermediate level unit builds on the foundational knowledge, skills and applications you learnt in DEB201, continuing your development towards a finer scale of detail and precision to resolve the processes of landscape design construction. It introduces theories of basic applied geometry, physics and chemistry to help you analyse technical briefs and the properties of landscape elements, and to critically evaluate and select appropriate materials, landform control and construction techniques to creatively formulate sustainable landscape design propositions and implementation strategies. This unit also introduces you to basic Contract Law and how it relates to landscape architectural consultancy and landscape construction. You will extend the technical graphic design development and communication skills you developed in DLB240 into the specialised area of construction documentation. This unit prepares you for your third year, advanced level unit in landscape design, technology and construction, DLB600.

**DLB500 Landscape Design 5**

**Pre-requisites:** DLB300

**Equivalents:** DLB510

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-1 (INT)

This final intermediate level landscape design studio unit builds on the knowledge, skills and applications consolidated in DLB400. In conjunction with DLB525, you will explore design theories and processes.
related to interactions between society (including culture, economy and technology) and the environment, placing an emphasis on developing landscape speculations which address sustainability in cultural and biophysical landscape contexts. Your learning will involve the rigorous testing of design ideas against the constraints of selected landscapes and briefs. You will develop and test a philosophical basis for design exploration, engaging with experimental design processes and self-directed research. This unit shifts your learning toward greater design complexity and independent application and development of your communication skills. It prepares you to engage with advanced level landscape design in DLB600.

**DLB600 Landscape Design**

This is your first advanced level landscape design studio unit, and your first 24 credit point unit in the 4-year landscape architecture course. As such, it unites two of landscape architecture’s core study areas - Landscape Design up to DLB500, and Landscape Technology/Construction in DLB240 and DLB440. DLB600 units and builds on the knowledge, skills and applications of these units in a program wherein you will learn and explore advanced levels of design resolution through the development of technical documents commensurate with those produced by the profession for landscape construction contractors. This unit shifts your learning toward greater technical design specificity and independent application. It provides a solid foundation for the critical and creative complexity and independence required in your final year landscape design studios beginning with DLB700.

**DLB800 Landscape Planning and Policy**

This advanced level 12 credit point landscape planning unit builds on the knowledge, skills and applications developed in your landscape architecture core units to date. It will lead you to explore advanced theory in landscape planning to help you conceptualise the complex social and environmental issues and policy frameworks that inform landscape development, and the related design and planning theories and processes such as those emerging through landscape urbanism. In a sustained, semester-long project you will engage with a large scale site and associated complex problems of planning, design and management, and independently formulate innovative and sustainable landscape planning and design propositions and implementation strategies. This unit shifts your learning toward greater complexity and independent application of advanced skills in the generation of detailed communication and presentation techniques commensurate with professional-level landscape architectural investigation and practice. The following semester unit DLB800 will build on these skills in your capstone landscape project.

**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.

**DLB700 Landscape Design 7**

This advanced level 24 credit point landscape design studio unit builds on the knowledge, skills and applications developed in your landscape architecture core units to date. In it you will explore advanced theory in landscape planning to help you conceptualise the complex social and environmental issues and policy frameworks that inform land development, and the related design and planning theories and processes such as those emerging through landscape urbanism. In a sustained, semester-long project you will engage with a large scale site and associated complex problems of planning, design and management, and independently formulate innovative and sustainable landscape planning and design propositions and implementation strategies. This unit shifts your learning toward greater complexity and independent application of advanced skills in the generation of detailed communication and presentation techniques commensurate with professional-level landscape architectural investigation and practice. The following semester unit DLB800 will build on these skills in your capstone landscape project.

**DLB710 Landscape Design 6**

This advanced level 12 credit point landscape design studio unit builds on the knowledge, skills and applications developed in your landscape architecture core units to date. In it you will explore advanced theory in landscape planning to help you conceptualise the complex social and environmental issues and policy frameworks that inform land development, and the related design and planning theories and processes such as those emerging through landscape urbanism. In a sustained, semester-long project you will engage with a large scale site and associated complex problems of planning, design and management, and independently formulate innovative and sustainable landscape planning and design propositions and implementation strategies. This unit shifts your learning toward greater complexity and independent application of advanced skills in the generation of detailed communication and presentation techniques commensurate with professional-level landscape architectural investigation and practice. The following semester unit DLB730 or DLB800 will build on these skills in your capstone landscape project.

**DLB730 Landscape Design 7**

This advanced level 24 credit point landscape design studio unit builds on the knowledge, skills and applications developed in your landscape architecture core units to date. In it you will explore advanced theory in landscape planning to help you conceptualise the complex social and environmental issues and policy frameworks that inform land development, and the related design and planning theories and processes such as those emerging through landscape urbanism. In a sustained, semester-long project you will engage with a large scale site and associated complex problems of planning, design and management, and independently formulate innovative and sustainable landscape planning and design propositions and implementation strategies. This unit shifts your learning toward greater complexity and independent application of advanced skills in the generation of detailed communication and presentation techniques commensurate with professional-level landscape architectural investigation and practice. The following semester unit DLB810 will build on these skills in your capstone landscape project.

**DLB740 Landscape Technology 4**

This is your first advanced level landscape design studio unit, and your first 24 credit point unit in the 4-year landscape architecture course. As such, it unites two of landscape architecture’s core study areas - Landscape Design up to DLB500, and Landscape Technology/Construction in DLB240 and DLB440. DLB600 units and builds on the knowledge, skills and applications of these units in a program wherein you will learn and explore advanced levels of design resolution through the development of technical documents commensurate with those produced by the profession for landscape construction contractors. This unit shifts your learning toward greater technical design specificity and independent application. It provides a solid foundation for the critical and creative complexity and independence required in your final year landscape design studios beginning with DLB700.

**DLB800 Landscape Planning and Policy**

This advanced level 12 credit point landscape planning and management unit builds on the knowledge, skills and applications developed in your landscape architecture core units to date. In it you will explore advanced theory in landscape planning to help you conceptualise the complex social and environmental issues and policy frameworks that inform land development, and the related design and planning theories and processes such as those emerging through landscape urbanism. In a sustained, semester-long project you will engage with a large scale site and associated complex problems of planning, design and management, and independently formulate innovative and sustainable landscape planning and design propositions and implementation strategies. This unit shifts your learning toward greater complexity and independent application of advanced skills in the generation of detailed communication and presentation techniques commensurate with professional-level landscape architectural investigation and practice. The following semester unit DLB800 will build on these skills in your capstone landscape project.
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/. CRICOS No.00213J

DLB830 Landscape Design 8
Pre-requisites: DLB730
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.

DLB845 Professional Practice in Landscape Architecture
Equivalents: DEB801
Credit Points: 12
Campus: null

This capstone unit builds on understandings of legal and regulatory environment in which landscape architects operate introduced in DLB440, 600 and 700. Design practice requires the understanding and adherence to a range of ethical, cultural, business and legal concerns and requirements. This unit provides you with the knowledge to understand and participate in professional design practice by introducing key issues in the design professions, including: the organisation and roles of the regulatory and professional bodies governing the professions; the cultural and legal context for contemporary design practice; essential skills in consultancy and construction contracts; and the ethical values and attitudes which govern professional practice. An emphasis on integrated scholarship and collaborative links with other professions will build your capacity and experience as a university student to life as a beginning professional.

DLH600 Landscape Design 6
Pre-requisites: DLB400
Equivalents: DEB601, DLB630
Credit Points: 24
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

This is your first advanced level landscape design studio unit, and your first 24 credit point unit in the 4-year landscape architecture course. As such, it unites two of landscape architecture’s core study areas - Landscape Design up to DLB500, and Landscape Technology/Construction in DLB240 and DLB440. DLH600 unites and builds on the knowledge, skills and applications of these units in a program wherein you will learn and explore advanced levels of design resolution through the development of technical documents commensurate with those produced by the profession for landscape construction contractors. This unit shifts your learning toward greater technical design specificity and independent application. It provides a solid foundation for the critical and creative complexity and independence required in your final year landscape design studios beginning with DLH700.

DLH800 Landscape Design 8
Pre-requisites: DLH600, DLB30, DLB830
Credit Points: 24
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

This advanced level 24 credit point landscape design studio unit builds on the knowledge, skills and applications developed in your landscape architecture core units to date. In it you will explore advanced theory in landscape planning to help you conceptualise the complex social and environmental issues and policy frameworks that inform land development, and the related design and planning theories and processes such as those emerging through landscape urbanism. In a sustained, semester-long project you will engage with a large scale site and associated complex problems of planning, design and management, and independently formulate innovative and sustainable landscape planning and design propositions and implementation strategies. This unit shifts your learning toward greater complexity and independent application of advanced skills in the generation of detailed communication and presentation techniques commensurate with professional-level landscape architectural investigation and practice. The following semester unit DLH800 will build on these skills in your capstone landscape project.

DLH845 Professional Practice in Landscape Architecture
Equivalents: DEB801
Credit Points: 12
Campus: null

This capstone unit builds on understandings of legal and regulatory environment in which landscape architects operate introduced in DLB440, 600 and 700. Design practice requires the understanding and adherence to a range of ethical, cultural, business and legal concerns and requirements. This unit provides you with the knowledge to understand and participate in professional design practice by introducing key issues in the design professions, including: the organisation and roles of the regulatory and professional bodies governing the professions; the cultural and legal context for contemporary design practice; essential skills in consultancy and construction contracts; and the ethical values and attitudes which govern professional practice. An emphasis on integrated scholarship and collaborative links with other professions will build your capacity and experience as a university student to life as a beginning professional.

DNB101 Industrial Design 1
Pre-requisites: DNB101
Equivalents: ADB201
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

Industrial design revolves around the creation of products that satisfy human needs constrained by industrial production. This involves the manipulation of form with an understanding of structure, function, and aesthetics. Through projects you will be exposed to: basic design elements and principles; context sketching and marker rendering; introduction to research through design, design process and concept development; basic model making techniques; and design presentation.

DNB103 Product Visualisation 1
Pre-requisites: DNB101
Equivalents: ADB201
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

Industrial designers employ a variety of tools to think about and communicate three-dimensional product concepts. This unit introduces you to the skills and techniques needed to support design visualisation, focusing on analogue media, drawing skills and simple model making.

DNB201 Industrial Design 2
Pre-requisites: DNB101 and DNB203. DNB203 can be studied in the same teaching period as DNB201.
Equivalents: ADB202
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

This unit continues with the development of your visual and creative thinking within the context of industrial design with special emphasis on the development of product symbolism. Through projects you will be exposed to: symbolic aspects of products; design process methods and concept development; model making and documentation skills; consideration of materials, manufacturing, technology and sustainability; and design presentation.

DNB202 Product Usability
Pre-requisites: DNB101
Equivalents: ADB212
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

This unit provides you with the foundational knowledge of human-centred design practice that is built upon an understanding of people and their environment. This unit continues with the development of your visual and creative thinking within the context of industrial design with special emphasis on the development of product symbolism. Through projects you will be exposed to: symbolic aspects of products; design process methods and concept development; model making and documentation skills; consideration of materials, manufacturing, technology and sustainability; and design presentation.
and techniques.

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This unit advances the knowledge you gained in DNB301 Industrial Design 3. The unit examines how various design approaches contribute to the design of complex product or systems. Through a collaborative project you will be exposed to: introduction to design research and innovation; communication skills; and manufacturing technologies.

This unit builds on the knowledge and skills you gained in DNB304 Product Technology 1 by introducing you to advanced materials and the potentials of their application. This forms an essential part of the skills and knowledge base required of you as an Industrial Design practitioner.

This unit introduces you to design investigation and application of design methods to support sustainable practices in constructed and natural environments. It covers introduction to products and systems differences; intermediate design methods and design management.

This unit builds your knowledge of the technological aspects relevant to Industrial Design. It focuses on providing experience and skills in the use and application of technology as part of the design, which is essential for your Industrial Design practice.

This unit guides you 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 can locate 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; and learning to critique design.

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.

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.

This unit introduces you to interdisciplinary design concepts and strategies that are relevant to the design of future products and systems. As more products are an integration of digital and physical interfaces, people’s experiential responses must be addressed. To achieve this DNB601 Industrial Design 6 extends the design methods and techniques you acquired in DNB501 Industrial Design 5 by transferring them across disciplines.

This unit incorporates studies of the dynamic relationships between people, products/artefacts and systems, and their contextual environment. The unit will introduce you to 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 proposal. 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 socio-cultural context; and communication of research outcome.

This unit introduces you to design methods and strategies to explore people’s behaviours and the context of use of everyday products. The design approach focuses on the user experience and on developing product designs that are suitable for manufacturing.
This unit will focus on the introduction of new products into the market. It will provide you with an overview of the relationship between product design and commercialisation. It will introduce you to 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; and commercialisation and post-launch review.

**DNB804 Professional Practice in Industrial Design**

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This unit will focus on the introduction of the role of professional practice management and its significance to industrial design. It is included in semester 8 to compliment student design activities and their involvement in live projects. The major topics covered in this unit include: the role of professional practice and management, management of design projects, type of contracts, the role of design administration, liability, design law; intellectual property, designer-client relationships.

**DNH803 Applied Design Research 2**

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his unit requires you to apply the research proposal you developed in DNB703 Applied Design Research 1 to the design of a product or system at a professional level. This is an independent project reinforcing your skills of leadership and project management.

**DNH804 Professional Practice in Industrial Design**

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This unit will focus on the introduction of the role of professional practice management and its significance to industrial design. It is included in semester 8 to compliment student design activities and their involvement in live projects. The major topics covered in this unit include: the role of professional practice and management, management of design projects, type of contracts, the role of design administration, liability, design law; intellectual property, designer-client relationships.

**DNB802 Research and Innovation 2**

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<th>Pre-requisites</th>
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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; 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.

**DNH703 Applied Design Research 1**

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<th>Pre-requisites</th>
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<td>Equivalents</td>
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This unit incorporates studies of the dynamic relationships between people, products/artefacts and systems, and their contextual environment. The unit will introduce you to 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 proposal. 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 socio-cultural context; and communication of research outcome.

**DNB803 Applied Design Research 2**

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This unit requires you to apply the research proposal you developed in DNB703 Applied Design Research 1 to the design of a product or system at a professional level. This is an independent project reinforcing your skills of leadership and project management.

**DNH704 New Product Development**

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This unit will focus on the introduction of new products into the market. It will provide you with an overview of the relationship between product design and commercialisation. It will introduce you to 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; and commercialisation and post-launch review.

**DTB101 Interior Design 1**

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This unit introduces you to knowledge, skills and application of design concepts and processes relevant to interior design at a foundational level.

**DTB103 Interior Visualisation 1**

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<th>Pre-requisites</th>
<th>DTB101 and DTB203. DTB203 can be studied in the same teaching period as DTB201</th>
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This unit introduces you to foundational visualisation and two-dimensional/three dimensional communication skills including drawing and rendering, technical drawing and model making relevant for (interior) design development and presentation.
DTB302 Interior Technology 1

Pre-requisites: DTB103, DEB203
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

This unit further develops your knowledge, skills and application in regards to the person-environment relationship, and the implications for dual-function, sensory spatial design, as well as building on foundational design processes. In DTB401 you will investigate the fundamental aspects of immersion (Space/time 4th dimension, Reverie, Presence and Phenomenology) and Interaction (Participation, Experience, Responsibility, Inclusivity and Activism) in relation to interior design practice and associated fields through the experimentation of model making and the refurbishment of an existing two-storey building with vertical circulation. It links to the work previously undertaken in DTB101, DBT201, DTB301 and DTB203, and prepares you for undertaking work on more complex interior design projects in DTB501.

DTB303 Interior Design 3

Pre-requisites: DTB201
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

This unit further develops your knowledge, skills and application in regards to the person-environment relationship and the implications for spatial design, as well as extending your knowledge of design process. In DTB301 you will investigate the fundamental aspects of transition, interiority, building character, site context, and materiality in relation to interior design practice and associated fields through the refurbishment of an existing one-storey building. It links to the work previously undertaken in DTB101, DTB201, and DTB203, and prepares you to undertake more complex interior design projects and collaborative design process in DTB401.

DTB304 Colour Studies

Equivalents: ADB152
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

This unit develops advanced knowledge in the theory and application of colour, and its interdependence with light. It focuses on experimental research and design application of colour, relevant to design and design practice.

DTB305 Interior Technology 2

Pre-requisites: DTB202
Equivalents: ADB123
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

This unit will provide opportunities to develop your knowledge and skills of the components required to assemble a set of construction documents for a commercial interior design scenario. It links to and builds on the concepts explored in DTB202 by introducing you to the commercial sector, in particular exploring 2D digital drafting conventions, building codes, standards and basic services integration.

DTB306 Interior Design 4

Pre-requisites: DTB301
Equivalents: ADB104
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

This unit further develops your knowledge, skills and application in regards to the person-environment relationship and the implications for dual-function, sensory spatial design, as well as building on foundational design processes. In DTB401 you will investigate the fundamental aspects of immersion (Space/time 4th dimension, Reverie, Presence and Phenomenology) and Interaction (Participation, Experience, Responsibility, Inclusivity and Activism) in relation to interior design practice and associated fields through the experimentation of model making and the refurbishment of an existing two-storey building with vertical circulation. It links to the work previously undertaken in DTB101, DTB201, DTB301 and DTB203, and prepares you to undertake more complex interior design projects in DTB501.

DTB402 Interior Technology 3

Pre-requisites: DTB303
Equivalents: ADB153
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

This unit will introduce you to a greater complexity in commercial interior construction and services integration while also developing your technical drawing communication skills. This unit links directly to your previous studies in units DTB202 and DTB303 and provides the necessary knowledge, skills and application required to communicate your designs through all of your core units.

DTB403 Design Psychology

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

Drawing on environmental psychology relevant to spatial design, this unit provides the theoretical and analytical resources to enable you to identify the ways in which the individual and the built environment interact, influencing behaviour and experience. Located in the second year of the course, the unit complements the socio-cultural aspects of design addressed in the third year unit DTB502 Design in Society providing core theoretical and technical knowledge to support intermediate and advanced design learning.

DTB501 Interior Design 5

Pre-requisites: DTB401
Equivalents: ADB105
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

This unit further develops your knowledge, skills and application for interior design through project based real world issues and contexts. It links to the work previously undertaken in DTB 401.

DTB502 Environments in Transition

Pre-requisites: ADP156
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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 approaches can be creatively translated and transformed to inform innovative design outcomes particular to the contemporary context.

DTB503 Design in Society

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

This unit provides theoretical and analytical resources to enable you to identify the way the designed world intersects with social life. These insights are crucial to the capacity of design to respond to the way the designed world is lived and experienced. This unit will 1) review theories and case studies to illuminate the relationships between design and everyday practice across cultures and time, and 2) provide an opportunity to apply these insights in an analysis of a contemporary designed environment. Located in the 3rd year of your course, Design in Society provides valuable resources for design practice in other units as it develops concepts and processes suited to the emphasis in the latter years of the course - not just on problem solving - but on problem framing and conceptualisation. With its emphasis on socio-cultural aspects of design, Design in Society complements the more psychological emphasis of the unit, DTB403 Design Psychology.

DTB504 Interior Design 6

Pre-requisites: DTB501
Equivalents: null
Credit Points: 12
Campus: null
Teaching Periods: null

This unit further develops your knowledge, skills and application for interior design through more complex
DTB802 Interior Design Practice Studio 2

- **Pre-requisites**: DTB701
- **Credit Points**: 24
- **Campus**: null

The final year capstone interior design unit encompasses a self-directed journey of "design through creative exploration". Students are required to articulate their own area of design interest, defining the focus of the year's work through research, analysis, experimentation, project development and refinement, communication, and presentation. It builds upon, consolidates, and advances the work undertaken in the previous foundational and intermediate years of the course.

DTB701 Interior Design 7

- **Pre-requisites**: DTB601
- **Equivalents**: ADP107
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

DTB702 Interior Design Practice Studio 1

- **Pre-requisites**: DTB601
- **Credit Points**: 24
- **Campus**: null

The final year design program is aimed at adequately preparing you for the professional challenges ahead. This unit further develops and consolidates the knowledge, skills, and application abilities gained during the foundation and intermediate years of the course in order to prepare you for the final semester Capstone project. It is project-based with the major focus being on a course of self-directed learning in an area of personal and professional relevance, enacted through high level engagement in the design studio. It is intended to guide you through the "transitional" phase of what is an on-going educational journey to becoming a fully qualified professional and beyond.

DTB801 Interior Design 8

- **Pre-requisites**: DTB701
- **Equivalents**: ADP108
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

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.

DTB803 Professional Studies in Interior Design

- **Credit Points**: 12
- **Campus**: null

This unit gives emphasis to your responsibilities and obligations as a professional interior designer. In this unit you will have the opportunity to further develop your knowledge of the interior design discipline and profession and to actively engage with issues highlighting responsibilities of life-long learning, social responsibility and ethical interior design practice.

DTH601 Interior Design 6

- **Pre-requisites**: DTB501
- **Equivalents**: ADB106, DTB601
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

This unit further develops your knowledge, skills and application for interior design through more complex project based real world issues and contexts. It links to the work previously undertaken in DTB501 and DTB502 prepares you for the final year of the course.

DTB803 Furniture Studies

- **Pre-requisites**: DTB201 and DTB303
- **Equivalents**: DTB503
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

This unit develops at an intermediate course level your knowledge, skills and their application regarding furniture and joinery in the interior and exterior context with a specific focus on experimental design and prototype construction. It builds upon the technical issues introduced in the units DTB202 and DTB303.

DTH702 Interior Design Practice Studio 1

- **Pre-requisites**: DTH601 or DTB601
- **Credit Points**: 24
- **Campus**: null

The final year design program is aimed at adequately preparing you for the professional challenges ahead. This unit further develops and consolidates the knowledge, skills, and application abilities gained during the foundation and intermediate years of the course in order to prepare you for the final semester Capstone project. It is project-based with the major focus being on a course of self-directed learning in an area of personal and professional relevance, enacted through high level engagement in the design studio. It is intended to guide you through the "transitional" phase of what is an on-going educational journey to becoming a fully qualified professional and beyond.

DTH802 Interior Design Practice Studio 2

- **Pre-requisites**: DTH702
- **Credit Points**: 24
- **Campus**: null

The final year capstone interior design unit encompasses a self-directed journey of "design through creative exploration". Students are required to articulate their own area of design interest, defining the focus of the year's work through research, analysis, experimentation, project development and refinement, communication, and presentation. It builds upon, consolidates, and advances the work undertaken in the previous foundational and intermediate years of the course.

DTH803 Professional Studies in Interior Design

- **Credit Points**: 12
- **Campus**: null

This unit gives emphasis to your responsibilities and obligations as a professional interior designer. In this unit you will have the opportunity to further develop your knowledge of the interior design discipline and profession and to actively engage with issues highlighting responsibilities of life-long learning, social responsibility and ethical interior design practice.

DUB501 Mapping Cities

- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

This unit develops the knowledge, skills and application of urban design mapping techniques. The unit explores a number of different approaches to urban design mapping in an urban context and the application of these techniques and approaches in practice.

DUB502 Urban Design Studio X

- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

This unit develops your knowledge, skills and application of urban design theory and practice through problem-based learning in the studio.

DXP402 Critical Practices in Visual Design

- **Equivalents**: KIP401
- **Credit Points**: 12
- **Campus**: null

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.
### Units

#### DXP403 Designing Interactions
- **Equivalents**: KIP402
- **Credit Points**: 12
- **Campus**: null

This unit further develops interface design skills for communications technologies including design priorities, visual systems, refined understanding of concept, project analysis and problem solving through presentation models.

#### EAB003 Development and Learning in Early Childhood
- **Credit Points**: 12
- **Campus**: null

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.

#### EAB004 Development and Learning in Early Childhood 2
- **Pre-requisites**: EAB003
- **Credit Points**: 12
- **Campus**: Caboolture and Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

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 2 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.

#### EAB005 Inclusion in Early Childhood Settings
- **Credit Points**: 12
- **Campus**: Caboolture, Kelvin Grove and External
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (EXT)

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.

#### EAB006 Leadership and Management in Early Childhood Services
- **Credit Points**: 12
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (EXT)

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.

#### EAB008 Early Childhood Language, Literacies and Communication I
- **Credit Points**: 12
- **Teaching Periods**: 2014 SEM-2 (INT, EXT)

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.

#### EAB009 Early Childhood Language, Literacies and Communication 2
- **Pre-requisites**: EAB008
- **Credit Points**: 12
- **Campus**: Caboolture, Kelvin Grove and External
- **Teaching Periods**: 2014 SEM-2 (INT, EXT)

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.

#### EAB010 Early Childhood Language, Literacies and Communication 3
- **Pre-requisites**: EAB009
- **Credit Points**: 12
- **Campus**: Caboolture, Kelvin Grove and External

#### EAB011 Early Childhood Curriculum: Arts 2
- **Credit Points**: 12
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

#### EAB012 Early Childhood Society Environment and Health Education
- **Credit Points**: 12
- **Teaching Periods**: 2014 SEM-1 (INT)

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 criticise 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.

#### EAB013 Early Childhood Science and Technology Education
- **Credit Points**: 12
- **Teaching Periods**: 2014 SEM-1 (EXT); 2014 SEM-2 (INT)

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.
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.

**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.

**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.

**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.

**EAB026 Early Childhood Community Arts Project**

This unit has a focus on pedagogies, planning and assessment within the curriculum organisations of the New Basics, the Preschool Curriculum Guidelines and the key learning areas. It aims to increase knowledge and understanding of how curriculum organisations and outcomes can be used to plan intellectually challenging curricula for young children.

**EAB028 Early Childhood Mathematics Education 2: Four to 8 Years**

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.

**EAB036 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.

**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.

**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.

**EAB510 Early Childhood English, Literacies and Language 1**

This unit provides foundation understandings, skills and processes for studying English and literacies in either Primary English Curriculum Studies 1 and 2 (Primary students) or Early Childhood English, literacies and language 2 and 3 (Early Childhood students). The unit focuses on 1) theories of literacies for current times; 2) children's literature; 3) language acquisition; 4) diversity, social justice and how language and texts work; and 5) English and literacy policy in EC and primary education contexts.

**EAB511 Early childhood contemporary and comparative perspectives**

This is a foundation unit in which you will explore a range of contemporary and comparative perspectives on the care and education of young children in differing socio-cultural contexts, in Australia and other countries. Linking past to present, you will examine the evolution of key philosophies, theories and approaches in early childhood education and care (ECEC), and consider their influence on contemporary policy, curriculum and practice. The unit encourages you to reflect critically on ways of thinking about children, childhood, development and learning and ECEC and to begin to formulate a personal philosophy of ECEC.

**EAB512 Child Health, Safety, Wellbeing and Movement Education**

This unit provides foundation understandings, skills and processes for understanding Child Health, Wellbeing, Safety and Movement as they relate to the

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This information is correct as at 19/12/2014. For the most up-to-date course information, visit [http://www.student.qut.edu.au/study/units/](http://www.student.qut.edu.au/study/units/). CRICOS No.00213J
Early Childhood Mathematics Education (ECME)

In this unit, you will engage in learning about foundational concepts in mathematics; exploring ways in which early childhood educators can develop appropriate learning opportunities to encourage and foster children’s mathematical development. The Early Childhood Mathematics Education (ECME) content specific to this unit is Measurement and Geometry and Statistics and Probability. This unit builds on concepts and understandings developed in Early Childhood Mathematics Education 1.

EAB536 Early Childhood Arts Curriculum Studies 2: Performing Arts

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 the foundational knowledge acquired in EAB530 Arts Curriculum Studies 1: Visual and Media Arts, with further analysis of the importance of the arts in the care and education of young children.

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.

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.

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 years of schooling. Emphasis is placed on a definition of literacy as critical social practice, and a balanced approach to literacy teaching and learning is fore grounded. The unit highlights the importance of all children becoming active participants in society and of knowing and engaging in a range of literacy practices. The unit will provide opportunities for students to consider the importance of providing 'high quality' literacy instruction to all students as a basic foundation of a socially just or 'high equity' education system.

EAN617 Functional Grammar for Reading and Writing

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.
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.00213J

**EAN618 Literacy Development and Performance**

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<th>Equivalents</th>
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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 understand 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.

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**EAP403 Early Years: Science and Technology Education**

| **Credit Points** | 12 |
| **Campus** | Kelvin Grove and External |
| **Teaching Periods** | 2014 SEM-1 (EXT); 2014 SEM-2 (INT, EXT) |

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.

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**EAP400 Early Years: Literacies**

| **Credit Points** | 12 |
| **Campus** | Kelvin Grove and External |
| **Teaching Periods** | 2014 SEM-1 (EXT); 2014 SEM-2 (EXT) |

In this unit you will examine literacy from critical contemporary perspectives - as a repertoire of contextualised social practices. You will gain insight into different pathways children take to literacy as their learning and development is shaped in family, community and school contexts. A key focus is on helping you to understand early reading and writing processes in the print medium, as well as multimedia. You will learn to use the framework of four literacy practices: code-breaker, text-participant, text-user and text-analyst to explore operational, cultural and critical dimensions of literacy. You will build a repertoire of strategies that will allow you to meet the needs of diverse learners and create instructional events that connect with the experience.

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**EAP401 Early Years: Mathematical Understandings**

| **Credit Points** | 12 |
| **Campus** | Kelvin Grove and External |
| **Teaching Periods** | 2014 SEM-1 (EXT); 2014 SEM-2 (EXT) |

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.

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**EAP402 Early Years: Arts and Humanities**

| **Credit Points** | 12 |
| **Campus** | Kelvin Grove and External |
| **Teaching Periods** | 2014 SEM-1 (EXT); 2014 SEM-2 (INT, EXT) |

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.

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**EAZ351 Family Studies and Early Childhood Education**

| **Credit Points** | 12 |
| **Campus** | PNG Education Institute |
| **Teaching Periods** | 2014 SEM-1 (INT) |

The aim of this unit is to engage you in learning experiences to develop a sound understanding and empathetic approach to the varied family contexts which children experience.

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**EAZ354 Curriculum in Early Childhood 1**

| **Credit Points** | 12 |
| **Campus** | PNG Education Institute |
| **Teaching Periods** | 2014 SEM-2 (INT) |

This unit enables early childhood professionals to draw on a range of knowledges in designing and evaluating learning and teaching opportunities in the arts and sciences in early childhood.

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**EAZ355 Curriculum in Early Childhood 2**

| **Credit Points** | 12 |
| **Campus** | PNG Education Institute |
| **Teaching Periods** | 2014 SEM-2 (INT) |

This unit enables early childhood professionals to develop a repertoire of knowledge and skills in curriculum decision-making and pedagogy in early childhood settings.

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**EDB002 Teaching and Learning Studies 2: Development and Learning**

| **Credit Points** | 12 |
| **Campus** | Caboolture and Kelvin Grove |
| **Teaching Periods** | 2014 SEM-1 (INT) |

This unit has the dual purposes of promoting your own personal and professional development as lifelong, 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 sociocultural contexts, and with a particular focus on the theories, research and practice which informs educators about how learners construct knowledge and become creative, self-motivated thinkers and problem solvers.

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**EDB003 Teaching and Learning Studies 3: Practising Education**

| **Credit Points** | 12 |
| **Campus** | Caboolture, Kelvin Grove and External |
| **Teaching Periods** | 2014 SEM-2 (INT, EXT) |

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.

**EDB004 Teaching and Learning Studies 4: Inclusive Education**

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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.

**EDB005 Teaching and Learning Studies 5: Professional Work of Teachers**

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<th>Pre-requisites</th>
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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.

**EDB006 Learning Networks**

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<th>Anti-requisites</th>
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This unit explores the concept of learning networks: interacting social and technical systems that lead to collective knowledge 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.

**EDB007 Culture Studies: Indigenous Education**

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<td>Teaching Periods</td>
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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.

**EDB011 Early Childhood Field Studies 1: Development and Learning in the Field**

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</tbody>
</table>

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.

**EDB012 Early Childhood Field Studies 2: Practising Education in the Field**

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campus</td>
<td>Caboolture, Kelvin Grove and External</td>
</tr>
<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (EXT), 2014 SEM-2 (INT, EXT)</td>
</tr>
</tbody>
</table>

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. Not available to Visiting students.

**EDB013 Early Childhood Field Studies 3: Diversity and Inclusivity**

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campus</td>
<td>Caboolture and Kelvin Grove</td>
</tr>
<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
</tr>
</tbody>
</table>

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. Not available to visiting students.

**EDB014 Early Childhood Field Studies 4: Professional Work of Teachers - Induction into the Field**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>EDB011, EDB012 and EDB013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Campus</td>
<td>Caboolture, Kelvin Grove and External</td>
</tr>
<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT, EXT); 2014 SEM-2 (INT, EXT)</td>
</tr>
</tbody>
</table>

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. Not available to Visiting students.

**EDB015 Internship (Early Childhood)**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>EDB014 (Can be enrolled in same teaching period)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Campus</td>
<td>Caboolture. Kelvin Grove</td>
</tr>
<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT), 2014 SEM-2 (INT, EXT)</td>
</tr>
</tbody>
</table>

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. Not available to Visiting students.

**EDB021 Primary Field Studies 1: Development and Learning in the Field**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>EDB011, EDB012 and EDB013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Campus</td>
<td>Caboolture and Kelvin Grove</td>
</tr>
<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.

**EDB022 Primary Field Studies 2: Practising Education in the Field**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>EDB021 and (CLB006 or CRB005) and (MDB002 or CRB093)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Campus</td>
<td>Kelvin Grove and Caboolture</td>
</tr>
<tr>
<td>Teaching Periods</td>
<td>2014 SUM-2 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.00213
**EDB023 Primary Field Studies 3: Inclusive Educational Practices**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDB022</td>
<td>12</td>
<td>Caboolture, Kelvin Grove and External</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (EXT)</td>
</tr>
</tbody>
</table>

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. Not available to Visiting students.

**EDB024 Primary Field Studies 4: Professional Work of Teachers - Induction into the Field**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDB023 and EDB004</td>
<td>12</td>
<td>Caboolture, Kelvin Grove and External</td>
<td>2014 SEM-1 (INT, EXT); 2014 SEM-2 (EXT, INT)</td>
</tr>
</tbody>
</table>

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. Not available to Visiting students.

**EDB025 Internship (Primary)**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDB024 (Can be enrolled in same teaching period)</td>
<td>12</td>
<td>Caboolture, Kelvin Grove and External</td>
<td>2014 SEM-2 (INT, EXT); 2014 SEM-2 (EXT, INT)</td>
</tr>
</tbody>
</table>

Designated Unit. This unit aims to induct you into the professional work of teachers. The aim of this unit is 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. Not available to Visiting students.

**EDB031 Secondary Field Studies 1**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMB231 or XNB291 or HMB292 or CLB015 or CLB016 or CLB036 or CLB093 or CLB021 or CLB339 or CLB051 or CRB920 or CLB054 or CRB924 or MDB015 or MDB021 or CRB923 or MDB031 or CRB930 or PUB343 or XNB191</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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 knowlegde, 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.

**EDB032 Secondary Field Studies 2**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDB031 and a Curriculum Studies 2 unit</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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 teachers. Not available to Visiting students.

**EDB033 Secondary Field Studies 3**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDB032 and Curriculum Studies 3 unit</td>
<td>12</td>
<td>Kelvin Grove and External</td>
<td>2014 SEM-1 (EXT, INT)</td>
</tr>
</tbody>
</table>

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. Not available to Visiting students.

**EDB034 Secondary Field Studies 4**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDB033</td>
<td>12</td>
<td>Kelvin Grove and External</td>
<td>2014 SEM-2 (INT, EXT); 2014 STP2 (INT)</td>
</tr>
</tbody>
</table>

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. Not available to Visiting students.

**EDB035 Internship (Secondary)**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDB034 (Can be enrolled in same teaching period)</td>
<td>12</td>
<td>Kelvin Grove and External</td>
<td>2014 SEM-2 (INT, EXT); 2014 STP3 (INT)</td>
</tr>
</tbody>
</table>

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. Not available to Visiting students.

**EDB036 Introduction To Education**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDB036</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
</tr>
</tbody>
</table>

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.

**EDB037 Introduction To Educational Sites**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDB037</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.

**EDB038 Indigenous Australian Culture Studies**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDB038</td>
<td>12</td>
<td>null</td>
<td></td>
</tr>
</tbody>
</table>

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
EBD039 Indigenous Politics and Political Culture

Credit Points: 12
Campus: null

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.

EBD040 Indigenous Knowledge: Research Ethics and Protocols

Credit Points: 12
Campus: null

This unit provides students with a critical examination of the major ethical and moral issues arising from the design and conducting of research on/with 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.

EBD041 Indigenous Australia: Country, Kin and Culture

Anti-requisites: SWB109
Credit Points: 12
Campus: null

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.

EBD042 Indigenous Education 1

Anti-requisites: SWB109
Credit Points: 12
Campus: null

- 

EBD043 Indigenous Education 2

Anti-requisites: SWB109
Credit Points: 12
Campus: null

- 

EBD120 Early Childhood Learning and Development 1

Credit Points: 12
Campus: Kelvin Grove and Caboolture

This unit is at the introductory stage of your course and provides the foundations for the application of information and communication technologies (ICT) in curriculum and pedagogy. It addresses the knowledge and application of ICT in both early childhood and primary education contexts. It further shows how children can benefit from opportunities to explore their world using technologies to develop confidence in using digital media.

EBD121 Early Childhood Learning and Development 2

Pre-requisites: EDB120
Credit Points: 12
Campus: Caboolture, Kelvin Grove and External

Teaching Periods: 2014 SEM-1 (EXT, INT)

To facilitate learning during early childhood, teachers must have a sound knowledge of 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. This unit incorporates a 10 day field placement (weeks 9 and 11) in a kindergarten setting.

EBD122 Early Childhood Learning and Planning

Credit Points: 12
Campus: Kelvin Grove and Caboolture

Teaching Periods: 2014 SEM-2 (INT)

This unit focuses on developing foundational core skills in lesson planning and in designing and implementing teaching strategies for inclusive educational contexts. The unit develops your professional knowledge, skills and practice, and includes site visits as well as 10 days of field experience in a primary school setting. Field experience is central to your preparation for the profession, and all units that contain a field experience component are designated units, that is, students who do not achieve a passing grade for the unit will have their progress in the course reviewed. Failure to pass a designated unit may result in exclusion from the course.

EBD140 Teaching Strategies and Planning

Credit Points: 12
Campus: Kelvin Grove and Caboolture

Teaching Periods: 2014 SEM-2 (INT)

This unit focuses on developing foundational core skills in lesson planning and in designing and implementing teaching strategies for inclusive educational contexts. The unit develops your professional knowledge, skills and practice, and includes site visits as well as 10 days of field experience in a primary school setting. Field experience is central to your preparation for the profession, and all units that contain a field experience component are designated units, that is, students who do not achieve a passing grade for the unit will have their progress in the course reviewed. Failure to pass a designated unit may result in exclusion from the course.

EBD170 Cultural Studies 1: Indigenous Education

Pre-requisites: EDB120 or EDB170
Credit Points: 12
Campus: Caboolture and Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

This unit focuses on the impact of culture and cultural identity and its impact on Aboriginal and Torres Strait Islander education. It involves theoretical understandings around cultural standpoint as well as planning for teaching Aboriginal and Torres Strait knowledge in an educational context. The unit develops your professional knowledge, skills and practice, and includes field experience. Field experience is crucial to your preparation for the profession, and all units that contain a field experience are designated units, that is, students who do not achieve a passing grade for the unit will have their progress in the course reviewed. Failure to pass a designated unit may result in exclusion from the course.

EBD171 Culture Studies 2

Pre-requisites: EDB171 or EDB150
Credit Points: 12
Campus: null

This unit focuses on the links between education, culture and society. This unit uses socio-cultural theory previously introduced in Education and Society 1 to better understand and engage with students from diverse backgrounds and has a practical and professional emphasis in that it links Field Experience to recent educational policy initiatives. Such initiatives include the importance of teachers understanding their legal and ethical responsibilities in terms of Child Protection and the Rights of the Child. Field experience is crucial to your preparation for the profession, and all units that contain a field experience are designated units, that is, students who do not achieve a passing grade for the unit will have their progress in the course reviewed. Failure to pass a designated unit may result in exclusion from the course.

EBD172 Education and Society 2

Pre-requisites: EDB171 or EDB150
Credit Points: 12
Campus: null

This unit focuses on the links between education, culture and society. This unit uses socio-cultural theory previously introduced in Education and Society 1 to better understand and engage with students from diverse backgrounds and has a practical and professional emphasis in that it links Field Experience to recent educational policy initiatives. Such initiatives include the importance of teachers understanding their legal and ethical responsibilities in terms of Child Protection and the Rights of the Child. Field experience is crucial to your preparation for the profession, and all units that contain a field experience are designated units, that is, students who do not achieve a passing grade for the unit will have their progress in the course reviewed. Failure to pass a designated unit may result in exclusion from the course.

EBD200 Insights into Early Childhood Development

Credit Points: 12
Campus: External

Teaching Periods: 2014 SEM-1 (EXT)

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.
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.

**EDB440 Independent Study**

- **Credit Points:** 12
- **Campus:** Kelvin Grove and External
- **Teaching Periods:** 2014 SEM-1 (INT), 2014 SEM-2 (EXT, INT), 2014 SUM (EXT, INT)

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.

**EDN602 Advanced Seminars**

- **Credit Points:** 12
- **Campus:** Kelvin Grove and External
- **Teaching Periods:** 2014 SEM-2 (BLK, EXT, INT), 2014 SUM (BLK, EXT, INT)

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. Enrolment is with Course Coordinator approval only.

**EDN603 Facilitated Study Unit**

- **Credit Points:** 12
- **Campus:** Kelvin Grove and External
- **Teaching Periods:** 2014 SEM-1 (INT, EXT), 2014 SEM-2 (INT, EXT)

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.

**EDN604 Facilitated Study Unit**

- **Credit Points:** 12
- **Campus:** Kelvin Grove and External
- **Teaching Periods:** 2014 SEM-1 (EXT); 2014 SEM-2 (INT, EXT)

See EDN604-1.

**EDN604 Facilitated Study Unit**

- **Credit Points:** 12
- **Campus:** Kelvin Grove and External
- **Teaching Periods:** 2014 SEM-1 (EXT, INT); 2014 SEM-2 (INT, EXT)

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.

**EDN605 Professional Dialogues in Education**

- **Credit Points:** 12
- **Campus:** Kelvin Grove and External
- **Teaching Periods:** 2014 SEM-1 (INT, EXT), 2014 SEM-2 (EXT, INT)

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 and from a broad range of contemporary ideas in order to manage the future.

**EDN611 Conducting and Evaluating Educational Research**

- **Credit Points:** 12
- **Campus:** Kelvin Grove and External
- **Teaching Periods:** 2014 SEM-1 (EXT, INT); 2014 SEM-2 (EXT, INT)

The unit focuses on developing expertise to seek research knowledge that addresses specific problems or issues in your practice. It assists you to search databases and other sources to locate published research reports in your field and evaluate them critically.

**EDN612 Shaping an Educational Research Project**

- **Pre-requisites:** EDN611
- **Credit Points:** 12
- **Campus:** Kelvin Grove and External
- **Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT, EXT)

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.

**EDN619 Educational Research: Design, Methodology and Analysis**

- **Pre-requisites:** EDN611
- **Credit Points:** 12
- **Campus:** Kelvin Grove and External
- **Teaching Periods:** 2014 SUM (BLK, EXT, INT)

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.

**EDN631 Supervised Practicum 1**

- **Pre-requisites:** (PYN601 or LCN625 or SPN640) and (LCN626 or SPN641). These units can be studied in the same teaching period as EDN631
- **Credit Points:** 12
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SEM-1 (INT)

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.
EDN632 Supervised Practicum

2

Pre-requisites
EDN631 and (LCN625 or SPN640) and (LCN626 or SPN641) and (LCN627 or SPN642) and PYN601. LCN627 and PYN601 can be studied in the same teaching period as EDN632.

Credit Points
12

Campus
Kelvin Grove

Teaching Periods
2014 SEM-2 (INT)

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 this skills to communicate results of assessments and recommendations for interventions to school staff, parents and other stakeholders.

EDN633 Supervised Practicum

3

Pre-requisites
EDN632

Credit Points
12

Campus
Kelvin Grove

Teaching Periods
2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

EDN634 Supervised Practicum

4

Pre-requisites
EDN633

Credit Points
12

Campus
Kelvin Grove

Teaching Periods
2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

EDN635 Field Studies in Early Childhood

Pre-requisites
EAN601

Credit Points
12

Campus
Kelvin Grove and External

Teaching Periods
2014 SEM-1 (EXT); 2014 SEM-2 (EXT)

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.

EDN641 Field Studies in Early Childhood: Birth To 5 Years

Pre-requisites
EAN601

Credit Points
12

Campus
Kelvin Grove and External

Teaching Periods
2014 SEM-1 (EXT); 2014 SEM-2 (EXT)

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.

EDP415 Engaging Diverse Learners

Credit Points
12

Campus
Kelvin Grove and External

Teaching Periods
2014 SEM-1 (EXT); 2014 SEM-2 (EXT)

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.

EDP416 The Professional Practice of Educators

Credit Points
12

Campus
Kelvin Grove and External

Teaching Periods
2014 SEM-1 (EXT); 2014 SEM-2 (EXT)

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.

EDP421 Early Years Field Studies 1: Engaging Diverse Learners

Pre-requisites
EAP400. EAP400 can be studied in the same teaching period as EDP421.

Credit Points
12

Campus
Kelvin Grove and External

Teaching Periods
2014 SEM-1 (EXT); 2014 SEM-2 (EXT)

Designated Unit. This unit identifies, discusses and applied the professional issues and responsibilities the beginning teacher needs to be aware of. The students' 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. Students will actively engage with the challenges and practice 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).

EDP422 Early Years Field Studies 2: The Professional Practice of Educators

Pre-requisites
EDP421

Credit Points
12

Campus
Kelvin Grove and External

Teaching Periods
2014 SEM-1 (EXT); 2014 SEM-2 (INT, EXT)

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).

EDP431 Middle Years Field Studies 1: Engaging Diverse Learners

Pre-requisites
MDP452 or CRP421. CRP421 can be enrolled in the same teaching period.

Credit Points
12

Campus
Kelvin Grove and External

Teaching Periods
2014 SEM-1 (EXT); 2014 SEM-2 (EXT)

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 practice 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).

EDP432 Middle Years Field Studies 2: The Professional Practice of Educators

Pre-requisites
EDP431 and (CRP400 or CLP400). CRP400 can be enrolled in the same teaching period.

Credit Points
12

Campus
Kelvin Grove and External

Teaching Periods
2014 SEM-1 (EXT); 2014 SEM-2 (EXT)

Designated Unit. This unit identifies, discusses and applied the professional issues and responsibilities the beginning teacher needs to be aware of. The students’ 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). Not available to Visiting students.
EDP441 Senior Years Field Studies 1: Engaging Diverse Learners

Pre-requisites
Curriculum Studies 1 unit. This unit can be studied in the same teaching period as EDP441

Credit Points
12

Campus
Kelvin Grove and External

2014 SEM-1 (EXT, INT); 2014 SEM-2 (EXT, INT)

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). Not available to Visiting students.

EDP442 Senior Years Field Studies 2: The Professional Practice of Educators

Pre-requisites
EDP441 and Curriculum Studies 3 unit. The CS3 unit can be enrolled in the same teaching period as EDP442

Credit Points
12

Campus
Kelvin Grove and External

2014 SEM-1 (EXT, INT); 2014 SEM-2 (EXT, INT)

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). Not available to Visiting students.

EDP452 Reflective Practitioners 1

Credit Points
12

Campus
Kelvin Grove

2014 SEM-1 (INT)

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).

EDP453 Reflective Practitioners 2

Pre-requisites
EDP452

Credit Points
12

Campus
Kelvin Grove

2014 SEM-2 (INT)

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 of 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)

EDR703 Interdisciplinary in Education Studies (Advanced Seminars)

Credit Points
24

Campus
Institute Perguruan Ilmu Khas

2014 SEM-1 (BLK)

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.

EDZ013 Teaching Practice

Credit Points
48

Campus
Institute Perguruan Ilmu Khas

2014 SEM-2 (INT)

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 and given the opportunity to teach a subject other. 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.

EFB201 Financial Markets

Pre-requisites
BSB113 or CTB113 or UDB104

Credit Points
12

Campus
Gardens Point

2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

EFB210 Finance 1

Pre-requisites
BSB113 or MAB126 or MAB105 or UDB104 or MZB126

Credit Points
12

Campus
Gardens Point

2014 SEM-1 (INT); 2014 SEM-2 (INT); 2014 SUM (INT)

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 Weighed Average Cost of Capital (WACC) concept and risk management.

EFB222 Quantitative Methods For Economics and Finance

Pre-requisites
BSB122 or BSB123 or MAB101 or MAB233 or MZB107

Credit Points
12

Campus
Gardens Point

2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

EFB223 Economics 2

Pre-requisites
BSB113 or CTB113 or UDB104

Credit Points
12

Campus
Gardens Point

2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

EFB225 Economics for the Real World

Pre-requisites
BSB113 or CTB113

Credit Points
12

Campus
Gardens Point

2014 SEM-2 (INT)

In this unit economic concepts and theories at the introductory level will be used to forensically and critically investigate current social and public issues of
interest. These issues relate to consumer choice, business pricing strategies, education, inequity, unemployment and poverty, population policy, tax reform, economic growth, the environment and globalisation.

**EFB226 Environmental Economics and Policy**

**Pre-requisites:** BSB113

**Equivalents:** EFB334, EFX334, EFX226

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-1 (INT)

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.

**EFB240 Finance for International Business**

**Pre-requisites:** (BSB119 or CIB119 or BSB116) and (BSB113 or CTB113)

**Anti-requisites:** EFB312, MIB202

**Equivalents:** EFX240, IBB202

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**EFB308 Empirical Finance**

**Pre-requisites:** EFB307

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-2 (INT)

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.

**EFB309 Financial Derivatives**

**Pre-requisites:** EFB307

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-1 (INT)

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.

**EFB310 Financial Institutions - Control**

**Pre-requisites:** EFB210

**Credit Points:** 12

**Campus:** null

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.

**EFB311 Financial Institutions - Lending**

**Pre-requisites:** EFB201

**Credit Points:** 12

**Campus:** null

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.

**EFB307 Finance 2**

**Pre-requisites:** EFB210

**Equivalents:** EFX307

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-1 (INT)

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.

**EFB312 International Finance**

**Pre-requisites:** EFB201 and EFB210

**Anti-requisites:** EFB240, IBB202

**Equivalents:** EFX312

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**EFB326 Applied Portfolio Management**

**Pre-requisites:** EFB210

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-2 (INT)

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.

**EFB330 Intermediate Macroeconomics**

**Pre-requisites:** EFB223 or EFB102

**Equivalents:** EFB202, EFX330

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-1 (INT)

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.

**EFB331 Intermediate Microeconomics**

**Pre-requisites:** EFB223 or EFB102

**Equivalents:** EFB211, EFX331

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-1 (INT)

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.

**EFB332 Applied Behavioural Economics**

**Pre-requisites:** EFB222 or EFB31 or EFB337  
**Equivalents:** EFX332  
**Credit Points:** 12  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 SEM-2 (INT)

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.

**EFB333 Introductory Econometrics**

**Pre-requisites:** EFB22 or EFB101  
**Anti-requisites:** EFX333  
**Credit Points:** 12  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 SEM-1 (INT)

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.

**EFB335 Investments**

**Pre-requisites:** EFB201 and EFB210  
**Anti-requisites:** EFB318  
**Equivalents:** EFX335  
**Credit Points:** 12  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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 level to advanced level of investment decision making which are essential for finance students in their personal and professional lives.

**EFB336 International Economics**

**Pre-requisites:** EFB23 or EFB240 or EFB201  
**Anti-requisites:** EFB314  
**Equivalents:** EFX336  
**Credit Points:** 12  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 SEM-2 (INT)

International economics advances student understanding of global markets and positions through theories and analyses of trade, intervention, currences, 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.

**EFB337 Game Theory and Applications**

**Pre-requisites:** EFB223  
**Equivalents:** EFX337  
**Credit Points:** 12  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 SEM-1 (INT)

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.

**EFB338 Contemporary Application of Economic Theory**

**Pre-requisites:** (EFB330 or EFB202) and (EFB331 or EFB211) and (Completion of 168 credit points)  
**Equivalents:** EFB329, EFX338  
**Credit Points:** 12  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 SEM-2 (INT)

EFB338 is a unit designed to summarise 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.

**EFB339 Financial Planning and Investments**

**Pre-requisites:** EFB210  
**Anti-requisites:** EYB250  
**Equivalents:** EFB230  
**Credit Points:** 12  

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.

**EFB340 Finance Capstone**

**Pre-requisites:** EFB307 and EFB335. EFB335 can be enrolled in the same teaching period as EFB340.  
**Equivalents:** EFX340  
**Credit Points:** 12  
**Campus:** null

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.

**EFB341 Economics and Finance Special Topic - C**

**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 Periods:** 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

The purpose of the unit is to provide undergraduate students with an opportunity to pursue an elective research topic.

**EFB342 Workplace Experience in Economics and Finance**

**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 EFB311)  
**Credit Points:** 12  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**EFB343 Corporate Finance**

**Pre-requisites:** EFB210  
**Anti-requisites:** EFB307  
**Equivalents:** EFB343  
**Credit Points:** 12  
**Campus:** Gardens Point
EFB344 Risk Management and Derivatives
Pre-requisites: EFB201 and EFB210
Equivalents: EFX344
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

This unit develops knowledge and skills required to identify, measure and hedge the risks associated with an exposure to financial securities. It also develops knowledge of a variety of derivative contracts with a specific focus on how these securities are priced and how they are used to manage and hedge risk. Topics in risk management include understanding risk, measuring risk, managing risk and exploring the value of risk management. Subsequent topics on derivatives include: the pricing and use of forwards, futures, swaps and options contracts.

EFN408 Special Topic - Economics, Banking and Finance A
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT), 2014 SEM-2 (INT), 2014 SUM (INT)

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.

EFN410 Economic and Financial Modelling
Pre-requisites: EFN412
Anti-requisites: AYN419, EFN503
Equivalents: EFX410
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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 tool. Various modelling exercises are used to illustrate the use of these modelling techniques in an economic and financial context.

EFN412 Advanced Managerial Finance
Pre-requisites: EFN406, EFX412
Equivalents: EFX405
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit expands on material introduced and developed in EFB406 and EFN411. Its objective is to examine the key decisions made by corporate financial managers that (is the investment, financing, and dividend decisions). Topics include: the financial 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.

EFN414 International Finance
Pre-requisites: EFN406
Anti-requisites: EFN417
Equivalents: EFX414
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

EFN415 Security Analysis and Portfolio Management
Pre-requisites: EFX414 and EFN426
Equivalents: EFX410, EFN417
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

EFN416 Treasury and Portfolio Management
Pre-requisites: EFN406
Equivalents: EFX416
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

EFN420 Introduction To Financial Management
Equivalents: EFX420
Credit Points: 12
Campus: Gardens Point
EFN421 Financial Planning and Strategies

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

EFN422 Economics and Data Analysis

Anti-requisites: EFB101, EFN405, EFN419, GSN403, GSN411, GSN414, GSN491
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (INT, EXT); 2014 SEM-2 (INT, EXT)

The aim of the unit is firstly to provide a basic understanding of how market conditions are determined and, in particular, it investigates market forces that drive production and prices in both individual markets and the national economy. Secondly, the aim is to help students to develop a statistical way of thinking about decision-making in the absence of complete information in real-world situations.

EFN424 Equity Trading Floor

Pre-requisites: EFN405 and EFN406
Anti-requisites: EFB224
Equivalents: EFX424
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

EFN425 Financial Markets and Institutions

Anti-requisites: EFS201
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

The unit provides the self directed independent learner with a ‘hands on’ applied experience. It introduces students to a set of theories and instruments from a domestic and international environment with the requirement to assess the role of these instruments, institutions and regulations to gain a fuller understanding of how financial markets operate and the stresses that occur upon them. Students will consider key developments in the rapidly changing environment. Through critical thought they will study the role of financial theories and models so helping them understand, explain and address financial events. Areas of study will be Government Debt, Financial Institutions, Equity Markets, Debt Markets and FX.

EFN500 Contemporary Macroeconomic Theory

Unit Coordinator Approval and undergraduate degree with a major in Economics or Finance required to enrol
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

EFN501 Corporate and Commercial Lending

Pre-requisites: EFN412
Equivalents: EFX501
Credit Points: 12
Campus: null

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.

EFN502 Developments in Microeconomic Theories

Unit Coordinator Approval and undergraduate degree with a major in Economics or Finance required to enrol
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

EFN505 Financial Risk Management

Pre-requisites: EFN412 and EFN426
Equivalents: EFX505
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

EFN507 Advanced Capital Budgeting

Pre-requisites: EFN406
Equivalents: EFX507
Credit Points: 12
Campus: null

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, estimation of the capital asset pricing model, 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.

EFN508 Econometric Methods

Anti-requisites: 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 Periods: 2014 SEM-1 (INT)

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.

EFN509 Policy Economics and Evaluation

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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 federal policies.
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).

**EFN511 Finance Theory**

| Equivalents | EFN504 |
| Credit Points | 12 |
| Campus | Gardens Point |
| Teaching Periods | 2014 SEM-1 (INT) |

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.

**EFN512 Asset Pricing**

| Credit Points | 12 |
| Campus | Gardens Point |
| Teaching Periods | 2014 SEM-1 (INT) |

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.

**EFN513 Corporate Finance**

| Credit Points | 12 |
| Campus | Gardens Point |
| Teaching Periods | 2014 SEM-1 (INT) |

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.

**EFX201 Financial Markets (Outbound Exchange)**

| Equivalents | EFB201 |
| Credit Points | 12 |
| Campus | EXCHANGE and External |
| Teaching Periods | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |

This exchange unit is only available for selection to students on an approved exchange program.

**EFX210 Finance 1 (Outbound Exchange)**

| Equivalents | EFB210 |
| Credit Points | 12 |
| Campus | EXCHANGE and External |
| Teaching Periods | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |

This exchange unit is only available for selection to students on an approved exchange program.

**EFX225 Economics for the Real World (Outbound Exchange)**

| Pre-requisites | BSB113 |
| Credit Points | 12 |
| Campus | EXCHANGE and External |
| Teaching Periods | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |

This exchange unit is only available for selection to students on an approved exchange program.

**EFX226 Environmental Economics and Policy (Outbound Exchange)**

| Pre-requisites | EFB226, EFB334, EFX334 |
| Credit Points | 12 |
| Campus | EXCHANGE and External |
| Teaching Periods | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |

This exchange unit is only available for selection to students on an approved exchange program. 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 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.

**EFX222 Quantitative Methods for Economics and Finance (Outbound Exchange)**

| Equivalents | EFB222 |
| Credit Points | 12 |
| Campus | EXCHANGE and External |
| Teaching Periods | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |

This exchange unit is only available for selection to students on an approved exchange program.

**EFX223 Economics 2 (Outbound Exchange)**

| Equivalents | EFB223 |
| Credit Points | 12 |
| Campus | EXCHANGE and External |
| Teaching Periods | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |

This exchange unit is only available for selection to students on an approved exchange program.

**EFX240 Finance for International Business (Outbound Exchange)**

| Equivalents | EFB240 |
| Credit Points | 12 |
| Campus | EXCHANGE and External |
| Teaching Periods | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |

This exchange unit is only available for selection to students on an approved exchange program.

**EFX307 Finance 2 (Outbound Exchange)**

| Equivalents | EFB307 |
| Credit Points | 12 |
| Campus | External |
| Teaching Periods | 2014 XCH-1 (EXT) |

This exchange unit is only available for selection to students on an approved exchange program.

**EFX308 Empirical Finance (Outbound Exchange)**

| Pre-requisites | EFB307 |
| Credit Points | 12 |
| Campus | EXCHANGE and External |
| Teaching Periods | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |

**EFX312 International Finance (Outbound Exchange)**

| Equivalents | EFB312 |
| Credit Points | 12 |
| Campus | EXCHANGE and External |
| Teaching Periods | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |

**EFX330 Intermediate Macroecnomics (Outbound Exchange)**

| Equivalents | EFB330 |
| Credit Points | 12 |
| Campus | EXCHANGE and External |
| Teaching Periods | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |

**EFX331 Intermediate Microecnomics (Outbound Exchange)**

| Equivalents | EFB331 |
| Credit Points | 12 |
| Campus | EXCHANGE and External |
| Teaching Periods | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |

This exchange unit is only available for selection to
Units

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/.

EFX332 Applied Behavioural Economics (Outbound Exchange)

- **Equivalents**: EFB332
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX337 Game Theory and Applications (Outbound Exchange)

- **Equivalents**: EFB337
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX333 Introductory Econometrics (Outbound Exchange)

- **Equivalents**: EFB333
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX338 Contemporary Application of Economic Theory (Outbound Exchange)

- **Equivalents**: EFB338
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX334 Environmental Economics and Policy (Outbound Exchange)

- **Equivalents**: EFB334
- **Credit Points**: 12
- **Campus**: External
- **Teaching Periods**: 2014 XCH-2 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX339 Financial Capstone (Outbound Exchange)

- **Equivalents**: EFB340
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX335 Investments (Outbound Exchange)

- **Equivalents**: EFB335
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX336 International Economics (Outbound Exchange)

- **Equivalents**: EFB336
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX340 Finance Capstone (Outbound Exchange)

- **Equivalents**: EFB340
- **Credit Points**: 12
- **Campus**: External
- **Teaching Periods**: 2014 XCH-2 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX341 Economic and Financial Modelling (Outbound Exchange)

- **Pre-requisites**: EFB210
- **Credit Points**: 12
- **Campus**: External
- **Teaching Periods**: 2014 XCH-2 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX342 Advanced Managerial Finance (Outbound Exchange)

- **Pre-requisites**: EFN406
- **Credit Points**: 12
- **Campus**: External
- **Teaching Periods**: 2014 XCH-2 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX343 Corporate Finance (Outbound Exchange)

- **Credit Points**: 12
- **Campus**: External
- **Teaching Periods**: 2014 XCH-2 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX344 Risk Management and Derivatives (Outbound Exchange)

- **Pre-requisites**: EFB201 and EFB210
- **Credit Points**: 12
- **Campus**: External
- **Teaching Periods**: 2014 XCH-2 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX345 International Finance (Outbound Exchange)

- **Pre-requisites**: EFN414
- **Credit Points**: 12
- **Campus**: EXCHANGE and External
- **Teaching Periods**: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.
EFX416 Treasury and Portfolio Management (Outbound Exchange)

Pre-requisites: EFN406
Equivalents: EFN416
Credit Points: 12
Campus: External
Teaching Periods: 2014 XCH-2 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX507 Advanced Capital Budgeting (Outbound Exchange)

Pre-requisites: EFN406 and EFN412
Equivalents: EFN507
Credit Points: 12
Campus: External
Teaching Periods: 2014 XCH-2 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX420 Introduction to Financial Management (Outbound Exchange)

Pre-requisites: EFN420
Equivalents: EFN420
Credit Points: 12
Campus: EXCHANGE and External
Teaching Periods: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

EFX509 Financial Risk Management (Outbound Exchange)

Pre-requisites: EFN415
Equivalents: EFN505
Credit Points: 12
Campus: External
Teaching Periods: 2014 XCH-2 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

ENB130 Mechanical and Thermal Energy

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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 the 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.

ENB100 Engineering Sustainability

Equivalents: DEB100, UDB100
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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

ENB110 Engineering Statics and Materials

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit introduces you to forces and moments between rigid bodies and to the properties of steel. This knowledge will help you to understand how major infrastructure systems (e.g. bridges, skyscrapers, roads, factories), mechanical systems (e.g. engines, turbines, pumps, vehicles), and electrical systems (e.g. power stations, transmission lines, motors) are designed and built. This unit is one of four first year units covering fundamental engineering principles that you will need in your profession.

ENB120 Electrical Energy and Measurements

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT); 2014 SUM (INT)

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.

ENB121 Aerodynamics

Equivalents: MMB251
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.

ENB150 Introducing Engineering Design

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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

ENB200 Introducing Engineering Systems

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.

ENB205 Electrical and Computer Engineering

Credit Points: 12
Campus: null

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.
ENB211 Dynamics
Pre-requisites: (MAB126 or MAB131 or MAB180 or MZB126) and (ENB130 or PCB136 or PCB150)
Equivalents: MMB112
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

Fundamental equations of particle kinetics; energy, power, impulse and momentum; kinematics of rigid bodies in plane motion, relative motion and rotation relative to rotating axes; kinematics of rigid bodies. Basic machine components. (Gears, clutches, brakes etc.). Single degree of freedom system.

ENB212 Strength of Materials
Pre-requisites: ENB110 or ENB101 and ENB104
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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).

ENB215 Fundamentals of Mechanical Design
Equivalents: MMB281
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

Basic procedures of design, design for sustainability, universal design, Concept development, creative problem solving, Basic component design, computational scheme in design, manufacture & materials.

ENB221 Fluid Mechanics
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

Engineers work with numerous kinds of systems where consideration must be given to the motion within, and interactions between the system and its environment. This unit introduces the student to the concepts of fluid mechanics in the context of real engineering systems. The basic principles and equations of fluid mechanics are presented and discussed as related fluids within various engineering systems. After an introduction to the units and properties of fluids, pressure, hydrostatics and the energy and momentum equations are presented followed by an application of these principals to real fluids in piping systems. A brief introduction to the methods of computational fluid dynamics is presented and this methods utility to the solution of real world problems illustrated.

ENB222 Thermodynamics 1
Pre-requisites: ENB130 and (ENB221 or EN40401-PROCENG)

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.

ENB229 Mechatronics Project 1
Pre-requisites: ENB120, ENB130 and ENB150
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

ENB229 is a project unit with a hands-on introduction to mechatronics. You will be introduced to the basic concepts in mechatronics, focusing on the mechanics, electronics, and embedded software principles. The unit focuses on the research, design, and implementation of a mechatronic product to conform to a customer's needs.

ENB231 Materials and Manufacturing 1
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

Materials and their engineering applications, Manufacturing systems and technology, material properties and manufacturing, material selection, failure, graphical communication.

ENB234 Introduction To Design and Professional Practice
Pre-requisites: ENB240
Credit Points: 12
Campus: null

Introduction to general principles of electronic circuit and electrical equipment design and practicalisation; 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.

ENB241 Software Systems Design
Pre-requisites: ENB246 or INB104
Equivalents: EEB612
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

ENB242 Introduction To Telecommunications
Pre-requisites: (ENB120 or ENB103) and (MAB126 or MAB110 or MAB111 or MZB126)
Equivalents: EEB340
Credit Points: 12
Campus: null

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.

ENB243 Linear Circuits and Systems
Pre-requisites: ENB240
Credit Points: 12
Campus: null

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.

ENB244 Microprocessors and Digital Systems
Pre-requisites: ENB240
Credit Points: 12
Campus: null

ENB244 is an introduction to microcontrollers and will cover topics from binary numbers, logic gates, and architectures, to assembly language and basic C programming. After this course you’ll have a basic understanding of how computers work and you’ll be able to develop programs for a microcontroller based computer system.

ENB245 Introduction To Design and Professional Practice
Pre-requisites: ENB240
Credit Points: 12
Campus: null

Introduction to general principles of electronic circuit and electrical equipment design and practicalisation; 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.
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.

This unit introduces you to electrical circuit analysis. It shows how to determine the transient and steady state solution in simple and three phase circuits as well as the interaction of fluxes and currents in transformers and electrical machines.

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.

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ENB315 Motor Racing Vehicle Design
Pre-requisites: ENB316  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-1 (INT)

After studying Fundamentals of Mechanical Design and Design of Machine Elements, in this unit you will design 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 ergonomic as well as construction methods used in building race vehicles. The topics covered include:  
- Introduction. Concept development of a race vehicle.  

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.

ENB312 Stress Analysis
Pre-requisites: ENB102 or ENB212  
Equivalents: MMB212  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-1 (INT)

ENB312 Dynamics of Machinery
Pre-requisites: ENB211  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-1 (INT)

ENB313 Automatic Control
Pre-requisites: ENB211  
Equivalents: ENB301  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-2 (INT)

ENB314 Industrial Noise and Vibration
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-2 (INT)

ENB316 Design of Machine Elements
Pre-requisites: ENB215  
Equivalents: MMB381  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-1 (INT)

ENB317 Design and Maintenance of Machinery
Pre-requisites: ENB316  
Equivalents: MMB382  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-2 (INT)

ENB318 Biomechanical Engineering Systems
Pre-requisites: ENB211  
Equivalents: MMB391  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-2 (INT)

ENB319 Biomechanical Engineering Design
Pre-requisites: ENB215  
Equivalents: MMB392  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-1 (INT)

ENB321 Fluids Dynamics
Pre-requisites: ENB201 or ENB221  
Equivalents: MMB352  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-2 (INT)

ENB322 Biofluids
Pre-requisites: ENB201 or ENB221  
Equivalents: MMB362  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-2 (INT)

ENB323 Mechatronics Project 2
Pre-requisites: ENB229 and ENB243 and ENB244  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-2 (INT)
ENB329 focuses on teams of students applying advanced mechatronics principles to design and build an autonomous robot. Students will integrate aspects of mechanical, electromechanical, electrical, software, signal processing and control engineering that they have learnt in their course. The core learning outcomes include development of teamwork and communication skills, engineering design and implantation skills and the ability to communicate about your robot.

**ENB331 Materials and Manufacturing 2**

**Pre-requisites** ENB231  
**Credit Points** 12  
**Campus** Gardens Point  
**Teaching Periods** 2014 SEM-2 (INT)

This unit 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 and material failure mechanisms are provided to you through lectures, tutorials, practical laboratory and case studies. The unit also provides you with an excellent opportunity to apply the knowledge in the design and manufacture of a component.

**ENB332 Biomaterials**

**Equivalents** MMB292  
**Credit Points** 12  
**Campus** Gardens Point  
**Teaching Periods** 2014 SEM-2 (INT)

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.

**ENB334 Design For Manufacturing**

**Equivalents** MMB374  
**Credit Points** 12  
**Campus** Gardens Point  
**Teaching Periods** 2014 SEM-1 (INT)

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.

**ENB335 Modelling and Simulation For Medical Engineers**

**Pre-requisites** ENB318 or MMB496  
**Credit Points** 12  
**Campus** Gardens Point  
**Teaching Periods** 2014 SEM-1 (INT)

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.

**ENB336 Industrial Engineering**

**Credit Points** 12  
**Campus** Gardens Point  
**Teaching Periods** 2014 SEM-1 (INT)

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), SS, SMED, JIT, plant layout, cell design with proper material handling and balance and job design with due consideration to ergonomics.

**ENB337 Introduction to Robotics**

**Equivalents** MMB451  
**Credit Points** 12  
**Campus** Gardens Point  
**Teaching Periods** 2014 SEM-2 (INT)

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.

**ENB340 Power Systems and Machines**

**Pre-requisites** ENB103 or ENB250  
**Credit Points** 12  
**Campus** Gardens Point  
**Teaching Periods** 2014 SEM-2 (INT)

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,

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.00213J
uninterruptible power supplies and power switching components.

**ENB345 Advanced Design and Professional Practice**

**Pre-requisites** ENB245

**Equivalents** EEB664

**Credit Points** 12

**Campus** null

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.

**ENB346 Digital Communications**

**Pre-requisites** ENB342

**Equivalents** EEB560

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT)

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.

**ENB347 Modern Flight Control Systems**

**Pre-requisites** ENB348

**Equivalents** EEB535

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-2 (INT)

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.

**ENB348 Aircraft Systems and Flight Control**

**Pre-requisites** MAB127 or MAB182 or MAB132

**Equivalents** EEB431

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT)

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.

**ENB350 Real-time Computer-based Systems**

**Pre-requisites** ENB244

**Equivalents** EEB566

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT)

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.

**ENB352 Communication Environments For Embedded Systems**

**Pre-requisites** ENB350

**Equivalents** EEB666

**Credit Points** 12

**Campus** null

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.

**ENB354 Introduction To Systems Design**

**Pre-requisites** EE8585

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT)

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.

**ENB355 Advanced Systems Design**

**Pre-requisites** ENB354

**Equivalents** EEB665

**Credit Points** 12

This unit is based on the experiences already gained in first semester. The purpose of this unit is to lead to a deeper understanding of the system engineering process and the relations between the project phases, requirements, review processes, documentation and/or related deliverables. Practical examples will be given based on currently ongoing projects. A further objective of this course is to outline the importance of understanding contractual relations of Test Reports (TR), Design Documents (DD), Verification and Validation (VV&V), Acceptance Tests (AT) and delivery.

**ENB357 Spacecraft Dynamics and Control**

**Pre-requisites** ENB221 and ENB222

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-2 (INT)

This unit offers a general introduction to space technology, it includes the following: coordination of systems and time references used within space dynamics; rocket dynamics; satellite orbit and altitude dynamics and control; an introduction to a satellite as a system and subsystems.

**ENB360 Heat and Mass Transfer Operations**

**Pre-requisites** ENB221 and ENB222

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT)

Optimal delivery of heat and mass transfer is a key outcome of process engineering design and operations. This unit delivers core knowledge of heat and mass transfer concepts to improve unit operations.

**ENB361 Minerals and Minerals Processing**

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT)

The unit will provide an understanding of the principles of physical and chemical mineral processing operations. An emphasis will be placed on: 1) characterisation of ores, 2) mineral ore preparation, 3) physical separations and 4) chemical separations. This unit will use current Australian mining industries to demonstrate the importance and significance of each stage of mineral processing through collaborative learning activities.

**ENB362 Bulk Materials Handling**

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-2 (INT)
Legislation, regulation and WHS risk management strategies is included. The unit includes hazard identification and risk assessment techniques, and the design of control systems. The issues, design considerations and preventative strategies for fires and explosions will be covered. The learnings from contemporary disasters, such as Beaconsfield Mine and the Japanese Nuclear Disaster will be covered as Case Studies. This unit covers material related to minimising the impact of a process on the environment in both the planning and operational stages. It contains a mixture of theory and team-centred learning. Specifically the unit includes environmental management principles Environmental Impact Assessment and dispersion modelling techniques for quantifying the environmental impact as well as a team-based case study.

ENB375 Structural Engineering

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; unsymmetrical 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.

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.

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.

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.

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.

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.

ENB381 Civil Engineering Construction

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/unit/ CRICOS No.00213J
**ENB382 Estimating in Engineering Construction**

- **Pre-requisites:** ENB381, CEB513
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

The majority of the unit applies construction, planning and commercial understanding previously developed to fundamental estimating skills suited to firm bidding. The creation 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.

**ENB383 Environmental Resource Management**

- **Equivalents:** CEB418
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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 of 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.

**ENB384 Design of Masonry Structures**

- **Pre-requisites:** ENB102 or ENB270, CEB516
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

Historic development & Modern Masonry: Constituent Materials – testing standards; Design for durability; Limit design principles – capacity & serviceability; General design aspects of masonry; 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 drain pipes; Case study - industrial building / medium rise apartment building.

**ENB421 Thermodynamics 2**

- **Pre-requisites:** ENB222 and ENB321, MMB351
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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.

**ENB422 Energy Management**

- **Equivalents:** MMB451
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

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.

**ENB423 Heating, Ventilation and Air-Conditioning**

- **Pre-requisites:** ENB201 or ENB221 or ENB222
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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.

**ENB432 Engineering Asset Management and Maintenance**

- **Equivalents:** MMB470
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

This unit includes the following: engineering asset management policy statement; overhaul and replacement of the most important engineering systems; organisation for maintenance; maintenance planning and control; failure mode and effect analysis; reliability, maintainability and availability analysis; risk assessment; spare parts inventory management.

**ENB433 Plant and Process Design**

- **Pre-requisites:** (ENB221 or ENB201) and ENB222 and ENB231
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

The unit is of great assistance to graduates who will work in one of the many industries where Mechanical Engineers are concerned with Plant and Process Design. These industries use heat exchangers, piping systems and cooling towers intensively. This unit includes power stations, mineral processing, sugar processing and petroleum industries. The unit is taught by university and industry specialists who have considerable experience in their chosen field.

**ENB434 Tribology**

- **Pre-requisites:** ENB201 or ENB221
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

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.

**ENB435 Computer Integrated Manufacturing**

- **Equivalents:** MMB471
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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.

**ENB436 Mechatronics System Design**

- **Equivalents:** MMB478
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

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
Units

ENB437 Health Legislation in the Medical Environment

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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.

ENB439 Advanced Robotics

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This unit extends the robotic concepts introduced in ENB339 and introduces you to the components, systems and mathematical foundations of mobile robots. The unit introduces the fundamental approaches and techniques which enable modern mobile robots to usefully and safely navigate an environment to perform useful tasks. The unit encourages critical thinking about the use of robotic technologies in various applications, and emphasizes the practical application of robotic theory to the design and synthesis of mobile robotic systems that can understand their environment and plan their actions accordingly.

ENB440 RF Techniques and Modern Applications

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<td>Anti-requisites</td>
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This unit addresses the following: lumped and distributed microwave and RF circuits, including [g], [h] and [i] 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; specialized 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.

ENB441 Applied Image Processing

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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.

ENB446 Wireless Communications

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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.

ENB447 Navigation Systems For Aircraft

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<th>Pre-requisites</th>
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<td>Equivalents</td>
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Modern aviation continues to flourish, with millions of passenger flying every 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 relying 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.

ENB448 Signal Processing and Filtering

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<tr>
<td>Equivalents</td>
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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 to enhance, detect classify and estimate useful information from the signals in the presence of noise and other distortions will be presented. The methods presented will be tested on real signals drawn from different engineering applications, such speech signals, image signals, biomedical signals and signals in communications systems.

ENB451 Aerospace Radio and Radar Systems

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<td>Equivalents</td>
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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.

ENB452 Advanced Power Systems Analysis

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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.

ENB453 Power Equipment and Utilisation

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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 for earthing. Design approaches emphasise current engineering practical.

ENB454 Power System Management

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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
ENB455 Power Electronics

Pre-requisites: ENB344
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

ENB456 Energy

Equivalents: EEB911
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.

ENB457 Controls, Systems and Applications

Pre-requisites: ENB301
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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 design using state space techniques, linear optimal control, non-linear systems, and adaptive control with applications of neuro-computing and fuzzy logic.

ENB471 Design of Concrete Structures and Foundations

Pre-requisites: ENB276 and ENB377
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

ENB472 Project Engineering 2

Pre-requisites: ENB276
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.

ENB473 Design and Construction of Multi-storey Buildings

Pre-requisites: ENB275 and ENB375
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

ENB474 Finite Element Methods

Pre-requisites: ENB475
Credit Points: 12

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.

ENB475 Structural Engineering Design Project

Pre-requisites: ENB371 and (ENB372, ENB376, and ENB378) or EN40MJR-CVCOENG
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.

ENB477 Facade Engineering

Pre-requisites: ENB375 or ENB311
Credit Points: 12
Campus: Gardens Point
The unit provides the basic knowledge and skills required by facade engineers and designers. It introduces you to new materials such as aluminium, composite aluminium panels, natural stone, structural silicone adhesive and one of the more unique and challenging structural materials - glass. It then presents the required knowledge and skills for thermal and weather performance analyses and structural design of typical aluminium framed and glazed facades. The unit will provide a basic understanding of selection, analysis and design of innovative and large span facades and glass structures. Fabrication and construction are integral aspects in the selection and design of facades, so an insight into fabrication and construction methods are presented along with an understanding of their collaboration in design.

ENB478 Advanced Water Engineering

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<td>ENB378</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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.

ENB481 Civil Engineering Project Management

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<th>Pre-requisites</th>
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<th>Teaching Periods</th>
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<tr>
<td>ENB275</td>
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<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
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</table>

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.

ENB485 Advanced Geotechnical Engineering Practice

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<th>Pre-requisites</th>
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<td>ENB371</td>
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<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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.

ENN510 Engineering Knowledge Management

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<tr>
<th>Equivalents</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>MEN273</td>
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<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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.

ENN515 Total Quality Management

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<th>Equivalents</th>
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<tr>
<td>MEN177</td>
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<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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.

ENN522 Advanced Communication Systems

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This unit will focus on fundamental principles as well as recent developments in communication technologies including advanced multiple access techniques, multiple-input multiple-output systems, modern antenna systems, Orthogonal Frequency Division multiplexing, advances in cellular systems and cognitive radio systems.

ENN523 Advanced Network Engineering

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<th>Anti-requisites</th>
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<tr>
<td>INB352, INN352</td>
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<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
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</table>

Computer networks have become an integrated part of the fundamental infrastructure in modern industries and societies. Building new networks or upgrading existing networks requires a deep understanding of the concepts and principles of network engineering. Building on previously acquired knowledge and techniques of computer networks, this advanced level unit further introduces students to performance evaluation, traffic engineering and other advanced topics. Then, it exposes students to the theory and practice of the analysis and design of local and wide area networks through assembling various network technologies in a cohesive fashion with emphases on the connectivity, scalability, reliability, security, QoS and recent developments of computer networks.

ENN524 Mobile Network Engineering

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<td>INN353</td>
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Mobile networks have been widely deployed in various industries whilst navigation systems have been increasingly integrated into various mobile platforms for value-added services. Relying on a solid overview of wireless communications and mobile networks, this unit introduces students to the fundamental knowledge of mobile networks and navigation systems and integrated solutions. The unit highlights the recent advances in wireless local area and wide area networks as well as sensor networks. The unit also provides a systematic overview for satellite navigation systems and terrestrial wireless positioning technologies. Integration of mobile networks and navigation systems through specific standards will be also discussed through two case studies.

ENN530 Asset and Facility Management

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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.

ENN531 Advanced Materials and Engineering Applications

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Design, material selection and processing play a vital role in the selection, analysis and design of innovative and large span facades and glass structures. Fabrication and construction are integral aspects in the selection and design of facades, so an insight into fabrication and construction methods are presented along with an understanding of their collaboration in design.
role in developing products and structures. This unit is designed to introduce the development of advanced materials and their potential applications. The advances in characterization and simulation techniques will be covered. The unit teaches the inter-relationships between the microstructure properties and processing so that the fundamental principle of structure-property relationship and materials selection can be understood. The unit also provides students an opportunity to apply the knowledge to analyse a typical material problem through project work and use of state-of-the-art material selection software.

**ENN533 Advanced Engineering Design and Maintenance**

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This unit introduces advanced methods and tools of engineering design and machinery maintenance such as problem identification, creative problem solving and best concept selection, ensuring machine reliability at the design stage, machinery failure analysis prediction and prevention, design of machinery for special application (e.g. pressure vessels, conveyors, pharmaceutical and food processing equipment), advanced maintenance systems and machine condition monitoring methods.

**ENN541 Research Methods for Engineers**

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Problem identification, research design and planning, literature search and communications through reports and presentations are essential attributes of engineers in all the disciplines. Research methods and their applications to the solve discipline specific real world problems are skills that in demand from engineers at today’s work place. It is also equally important to communicate solutions clearly and effectively in writing and verbally.

**ENN542 Statistical and Optimisation Methods for Engineers**

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This unit offers an introduction to statistical methods and optimisation methods useful for engineers in practice. It includes the following: the process of stochastic research, linear regression analysis, simultaneous equation model, count data model, time series, classical optimisation methods, Nonlinear, geometric and dynamic programming.

**ENN550 Energy Systems Fundamentals**

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This unit immerses students in an integrated systems approach to the provision of energy services that are responsive to the global imperative for a transition to a low-carbon society in the 21st century. An Earth System Science (ESS) approach is utilised to develop an understanding of the Earth’s systems and the interactions between these systems, energy systems and social, technological and economic systems. The unit incorporates identification, analysis and evaluation of existing, transitional and future energy systems, with a core focus on the optimisation of the integrated system and sub-systems through effective knowledge-driven decision making.

**ENN551 Renewable Energy Technologies, Energy Storage and Electricity Distribution Systems**

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<th>Pre-requisites</th>
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</table>

Complex systems thinking, advanced well-to-wheel analysis and knowledge-driven decision making are vital skills for energy professionals to acquire in order to optimise the role renewable energy resources can play in the continuing transition to a sustainable low carbon society. This unit adopts a comprehensive integrated system approach to the fundamentals of renewable energy sources and conversion technologies, energy storage and electricity distribution. The aim of such an integrated system is to optimise performance which is closely matched to end user energy needs in time, quantity and quality.

**ENN552 Solar Thermal Systems - Heat and Power**

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</table>

While buildings account for 30 – 50% of global energy resources, it is people, rather than buildings per se, that require energy services. This unit incorporates strategies and methods required to optimise the provision of low- and zero-carbon energy services in residential, commercial and industrial buildings and their neighbourhoods.

**ENN553 Energy Optimised Buildings and Communities**

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<th>Pre-requisites</th>
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Whilst buildings account for 30 – 50% of global energy resources, it is people, rather than buildings per se, that require energy services. This unit incorporates strategies and methods required to optimise the provision of low- and zero-carbon energy services in residential, commercial and industrial buildings and their communities.

**ENN554 Enterprise Resource Planning**

| Equivalents | MEN272 |
| Credit Points | 12 |
| Campus         | Gardens Point |
| Teaching Periods | 2014 SEM-2 (INT) |

Enterprise resource planning (ERP) systems integrate internal and external information across an entire organization, embracing finance/accounting.

**ENN555 User Interface Design and Teaching**

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<th>Credit Points</th>
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This two-semester unit is a project unit aims to give students experience in solving advanced engineering problems in a relevant discipline and the opportunity for creative thinking, design, implementation and software development. It provides students an opportunity to apply the knowledge gained in previous courses to develop user interfaces for a variety of applications.

**ENN556 Enterprise Resource Planning Systems and their impact on organisations**

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</table>

Enterprise resource planning (ERP) systems integrate internal and external information across an entire organization, embracing finance/accounting.
to apply the knowledge gained throughout the course. Through the project students will gain experience in project identification, research planning, finding solutions and communications.

**ENNS90 Project 2**

**Pre-requisites**
ENNS90-1

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-1 (INT); 2014 SEM-2 (INT)

This two-semester unit is a project unit aimed to give students experience in solving advanced engineering problems in a relevant discipline and the opportunity to apply the knowledge gained throughout the course. Through the project students will gain experience in project identification, research planning, finding solutions and communications.

**EPG001 Introduction To Power Plant**

**Credit Points**
12

**Campus**
null

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 plant station 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.

**EPG005 Project Delivery**

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 STP8 (BLK)

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.

**EPG006 Applied Thermodynamics**

**Credit Points**
12

**Campus**
null

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 plants. 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.

**EPG011 Industrial Electrical Power Distribution**

**Credit Points**
12

**Campus**
null

THIS UNIT IS AVAILABLE TO BX20 AND BX21 STUDENTS ONLY. This unit provides an overview of the aspects of industrial power distribution and earthing systems relevant to a power generation plant. Around 8% of a power station's output is used on plant auxiliaries - power stations are their own biggest customer. The effective design, operation and maintenance of equipment used for distribution of this auxiliary power across a plant site is crucial for its reliable operation. Earthing systems underpin the safety of personnel and plant in any industrial complex. This unit provides the theoretical and practical background knowledge required to understand the design, testing and maintenance of earthing systems in a power plant.

**EPG015 Industrial Electrical Power Systems**

**Credit Points**
12

**Campus**
null

THIS UNIT IS AVAILABLE TO BX20 AND BX21 STUDENTS ONLY. Electrical protection systems are fundamental to the safe and reliable operation of the generating facilities. 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.

**ERB101 Earth Systems**

**Equivalents**
NQB201

**Credit Points**
12

**Campus**
null

**Teaching Periods**
2014 SEM-2 (INT)

In ERB101 Earth System you will focus on the key components of our planet – the lithosphere, hydrosphere, and atmosphere. The focus will be on these large-scale processes and how these systems interact and determine the landscapes we live on, how they change in time and the potential impacts on society. This provides a fundamental introduction to Earth Sciences, building on the knowledge and skills developed through Semester 1, and prepares you for more in-depth exploration of Earth evolution, natural hazards, environmental management, resource sustainability and climate change.

**ERB102 Evolving Earth**

**Equivalents**
NQB202

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-2 (INT)

In ERB102 Evolving Earth you will focus on key events in the history of our planet – the formation of our planet, the concept of geologic time, the origin of the oceans and atmosphere and the evolution of life. You will learn about the connections between the evolution of life and geological processes and events, to appreciate the complexity of life that exists on Earth today. This provides a fundamental introduction to evolution and geological time, building on the knowledge and skills developed through Semester 1, Imagine Science, and prepares you for more in depth exploration of Earth system connectivity, natural hazards, environmental management and climate change.

**ERB201 Destructive Earth**

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-1 (INT)

In ERB201 Destructive Earth, we will focus on the Science of Natural Hazards. By understanding the conditions and processes that lead to, and cause, severity of natural processes such as earthquakes, tsunamis, volcanic eruptions, landslides, cyclones, tornadoes, storms/blizzards, floods, bushfire, and asteroid impacts, you will be better informed as to why there are natural hazards and disasters, and how to prepare and mitigate for future events that will have a range of social, economic and political impacts. We will build on the knowledge and skills developed in Year 1 to provide you with a global perspective of how we, as a society, will continually be confronted by natural hazards.

**ERB202 Marine Geoscience**

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-1 (INT)

Oceans make up 70% of the Earth's surface, yet less than 5% of them have been explored. There is therefore still much to learn about the marine environment, marine resources and management. This unit will develop a detailed understanding of oкеanography, carbonate geology and reef structures, marine biota and interpretation of depositional processes and products in the shallow through to the deep marine environment.

**ERB203 Sedimentary Geology and Stratigraphy**

**Pre-requisites**
ERB101 and ERB102 and ERB202

**Anti-requisites**
NQB413

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-2 (INT)

This unit provides you with an introduction to sedimentology and stratigraphy, incorporating sediments and sedimentary rocks and how they relate to depositional environments. The unit focuses on the link between features preserved in sedimentary rocks and what those features tell us about the rock the rock was emplaced, the environment it was emplaced into and the subsequent burial history of the rocks. Sedimentology and stratigraphy is a fundamental part of the education of any earth scientist, and especially of those who wish to be involved in fossil fuel (i.e., coal, petroleum and gas) exploration, water resource management, and environmental geochemistry, such as geosequestration of carbon dioxide, landscape...
remediation and soil science, investigation of extreme events (e.g., landslides, tsunami and storm surge) and climate change.

**ERB204 Deforming Earth**

**Pre-requisites:** ERB201 or NQB314  
**Equivalents:** NQB412  
**Credit Points:** 12  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 SEM-2 (INT)

This unit will introduce the geological “fingerprints” and fundamental mechanics of the continuous deformation processes that shape our planet. The deformation of Earth materials is intimately related to earthquakes, the formation of tectonic plates, mountain building, volcanoes, fluid flow in the lithosphere, and the generation of resource deposits. All rocks exposed at the surface of Earth have experienced some form of deformation. Therefore, this unit provides essential tools for the field geologist, geotechnical engineers, rock physicists, etc., and paves the way for the capstone unit “Geodynamic Earth”.

**ERB205 Earth Materials**

**Equivalents:** NQB311  
**Credit Points:** 12  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 SEM-1 (INT)

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.

**ERB206 Petrology**

**Pre-requisites:** ERB205  
**Equivalents:** NQB411  
**Credit Points:** 12  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 SEM-2 (INT)

Petrology is the study of igneous and metamorphic rocks. These rock types compose the bulk of the Earth. Understanding what these rocks are and how they form is an essential part of the study of geoscience. It is fundamental to a wide range of higher level units. This unit focuses on the description, classification and origins of igneous and metamorphic rocks.

**ERB310 Groundwater Systems**

**Equivalents:** NQB614  
**Credit Points:** 12  
**Campus:** null

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 and current issues associated with these resources are covered.

**EVB102 Ecosystems and the Environment**

**Credit Points:** 12  
**Teaching Periods:** 2014 SEM-2 (INT)

This unit will introduce the ecological “fingerprints” of the environment and fundamental mechanics of the continuous processes that shape the environment. As well as providing an introduction to the science of ecology, this unit further develops foundation knowledge and skills developed through Semester 1, and prepares you for the exploration of global environmental issues.

**EVB201 Global Environmental Issues**

**Pre-requisites:** EVB102 or SGB110  
**Credit Points:** 12  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 SEM-1 (INT)

The capacity for understanding complex global environmental problems such as climate change, now and in the future, will rely on the capacity of environmental scientists to interpret and critically analyse environmental systems. This unit focuses on understanding long and short term climate and environmental change and opportunities for action as crucial to sustainable development within our biotic, geomorphic and cultural landscapes. This developmental unit builds on knowledge and skill from Ecosystems and Environment, EVB102.

**EVB202 Quantitative Skills for Environmental Science**

**Pre-requisites:** SEB113  
**Credit Points:** 12  
**Campus:** null

**EVB203 Geospatial Information Science**

**Pre-requisites:** ERB101 or EVB102  
**Equivalents:** UDB181  
**Credit Points:** 12  
**Campus:** null

This unit encourages spatial thinking by introducing geographic information science that incorporates modern processes of geographic information source, presentation and communication principles, processes and contemporary presentation methods in a variety of mapping formats applied to Geospatial Information.

**EVB211 Geographic Information Systems and Science**

**Pre-requisites:** ERB101  
**Equivalents:** NQB403  
**Credit Points:** 12  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 SEM-1 (INT)

This unit will provide the student with a sound knowledge and understanding of cartographic communication principles, processes and contemporary presentation methods in a variety of mapping formats applied to Geospatial Information.

**EVB212 Soils and the Environment**

**Pre-requisites:** ERB101  
**Equivalents:** NQB403  
**Credit Points:** 12  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 SEM-1 (INT)

This unit will provide you with grounding in soil science and its application to environmental soil analysis and management, the importance of soil for ecosystem function in a changing environment, and the critical role of soils in the context of climate change. The unit links biological, ecological and geological systems and contributes to your understanding of the complexity of environmental systems in general.

**EVB221 Remote Sensing of the Environment**

**Pre-requisites:** ERB101  
**Credit Points:** 12  
**Campus:** null

This unit provides a theoretical and practical introduction into geographic information systems and science that incorporates modern processes of acquisition, manipulation, validation, storage, extraction, analysis, modeling and presentation of spatial information.
objects on Earth by processing of electromagnetic radiation emitted from aircraft or satellites.

**EV222 Spatial Analysis and Modelling Practice**

**Pre-requisites**
- EVB211

**Equivalents**
- UDB388

**Credit Points**
- 12

**Campus**
- null

This unit provides a theoretical and practical introduction into the current and evolving practice of spatial analysis and spatial data modelling. The unit builds on the theoretical and practical skillset attained by the successful completion of all components of EVB211 Geographic Information Systems and Science.

**EZB210 Earth and Space Sciences**

**Credit Points**
- 12

**Campus**
- null

This unit will build on foundation material in the general chemistry unit, and combine the principles of physics and geology to develop an understanding of the structure, composition and origins of our planet, and the universe. You will examine 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.

**GSN403 Data Analysis and Decision Making**

**Pre-requisites**
- GSN405

**Anti-requisites**
- EFN409

**Equivalents**
- GSZ403

**Credit Points**
- 6

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 6TP5 (INT)

Business Leaders and managers work in complex business environments, in the era of Big Data, where mind-boggling volumes data and information is generated daily on just about every aspect of the business and the economy. The Data Analysis and Decision Making unit provides students with the opportunity to learn how to make effective business decisions based on the application of a number of standard data analysis techniques to real world business problems. This unit provides students with the opportunity to integrate and draw upon their disciplinary knowledge in analysing data and making decisions.

**GSN404 Accounting for Decision Making**

**Anti-requisites**
- GSN202

**Equivalents**
- GSZ404

**Credit Points**
- 6

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 6TP4 (INT)

This unit provides students with the opportunity to develop an understanding of accounting techniques that are useful for managerial decision making. Essentially this unit concentrates on two key areas of particular importance to business managers and leaders: budgeting and cost control accounting and the analysis and interpretation of financial statements. Through the study of this unit, students will be in a better position to make informed predictions, recommendations and decisions about future directions and actions that are needed to ensure the financial stability of a particular organisation.

**GSN405 Strategic Management**

**Anti-requisites**
- GSZ602

**Equivalents**
- GSZ405

**Credit Points**
- 6

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 6TP5 (INT); 2014 6TP2 (INT)

Strategy is the process of determining goals and moving towards the achievement of those goals in a business, government, or not-for-profit setting. The Strategic Management 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 the foundations for students in terms of understanding contemporary thinking in the strategy field.

**GSN406 Human Resource Management Issues**

**Equivalents**
- GSZ406

**Credit Points**
- 6

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 6TP2 (INT)

There is increasing recognition internationally of the critical contribution of effective people management in obtaining and sustaining a strategic advantage in an increasingly globally competitive business environment. This unit provides students with the opportunity to examine the challenges faced by managers and leaders in achieving effective human resource management in the complex business environments of today and tomorrow. The unit adopts an issues-based approach, designed to build awareness of the human resource management issues and build contextually specific solutions to those issues in diverse industry contexts.

**GSN407 Communicating to Influence**

**Anti-requisites**
- GSZ603

**Equivalents**
- GSZ407

**Credit Points**
- 6

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 6TP5 (INT); 2014 6TP2 (INT)

Specialised knowledge alone is no longer enough to guarantee success in business; you must be able to effectively communicate this knowledge with a variety of audiences, in a variety of situations and using a range of communication technologies. This unit provides students the opportunity to develop highly effective and persuasive oral, written and technology enabled communication skills. The unit encourages students to develop an understanding of their audience, sensitivity to language use and to demonstrate the value and power of language as a means of persuasion in managerial and leadership contexts.

**GSN408 Fundamentals of Marketing Management**

**Equivalents**
- GSZ408

**Credit Points**
- 6

**Campus**
- null

The Fundamentals of Marketing Management unit provides students with the opportunity to critically examine and evaluate the role of marketing and its contribution to the strategic processes of organisations operating in increasingly complex and highly competitive global business environments. A study of key marketing decisions made by real world organisations are examined including the marketing concept, the marketing mix, marketing information systems, marketing research, market segmentation, targeting and positioning, and the process of marketing planning, implementation and control.

**GSN409 Understanding and Leading Others**

**Anti-requisites**
- MGN412

**Equivalents**
- GSZ409

**Credit Points**
- 6

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 6TP6 (INT)

The Understanding and Leading Others unit will help students to be able to identify, assess and understand the factors that influence the thoughts, feelings, motivations and actions of individuals in the workplace. Students will then have the opportunity to apply these insights into human behaviour within organisations to determine the most effective strategies and courses of action for maximising the potential of individuals and to lead and build high performing face-to-face and virtual teams.

**GSN410 Entrepreneurship**

**Equivalents**
- GSZ410

**Credit Points**
- 6

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 6TP1 (INT)

The Entrepreneurship unit introduces students to the field of entrepreneurship and management of innovation. Through the study of this unit, students will be able to develop an understanding of entrepreneurial attitudes, abilities, behaviours and culture and explore a range of issues related to opportunity recognition, viability screening for sustainable competitive advantage, risk recognition and mitigation, intellectual property protection and developing a business model for a new enterprise.

**GSN412 Business Law**

**Anti-requisites**
- AYN410, EFN413

**Equivalents**
- GSZ412

**Credit Points**
- 6

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 6TP1 (INT)

The Business Law 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.

**GSN413 Financial Management**

**Pre-requisites**
GSN403

**Anti-requisites**
EFN406

**Equivalents**
GSZ413

**Credit Points**
6

**Campus**
Gardens Point

**Teaching Periods**
2014 6TP2 (INT)

It is essential for business leaders and managers who must make financial decisions, to have a fundamental understanding of the operation of financial markets and how these markets impinge on the operation of their organisation. They must know how to properly value cash flows and other assets, and understand the fundamentals of asset diversification, risk and return, and the cost of capital. This unit introduces students to the national and international financial environments in which they operate from a personal and business perspective. The unit explores the three major lessons in finance: time value, diversification and arbitrage.

**GSN415 Leadership and Complexity**

**Pre-requisites**

**Equivalents**
GSZ415

**Credit Points**
6

**Campus**
Gardens Point

**Teaching Periods**
2014 6TP3 (INT)

In a complex society where changes are occurring with increasing speed and frequency, leadership has never had greater significance, nor has it been more challenging. The Leadership and Complexity unit is designed to improve the capacity of students to understand, communicate and influence the people they will lead in complex, rapidly changing business environments. Students will be taken through a variety of reflective activities designed to help them to shape up their own leadership philosophy that will form the foundation of their leadership style.

**GSN416 Business Plans 1**

**Pre-requisites**
GSN405 and GSN410

**Equivalents**
GSZ416

**Credit Points**
6

**Campus**
null

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.

**GSN417 Effective Advocacy for Managers**

**Pre-requisites**

**Credit Points**
6

**Campus**
null

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.

**GSN428 International Study Tour**

**Equivalents**
GSZ428

**Credit Points**
6

**Campus**
null

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, meetings, presentations and site visits in the host countries. Assessment includes attendance and participation at all events and submission of a detailed Daily Journal.

**GSN430 New Venture Funding**

**Pre-requisites**
GSN410 or GSZ410

**Credit Points**
6

**Campus**
Gardens Point

**Teaching Periods**
2014 6TP4 (INT)

A key challenge for Entrepreneurs and their new ventures is obtaining sufficient financing to resource the venture through the seed, start-up and growth stages of the venture life cycle. This unit helps students to understand the resource requirements across the various states of both lean and traditional start-ups and explores the financing options open to new ventures, how to attract financing, how to determine the best financing options for their venture and strategies for controlling and conserving cash to ensure the long term viability and sustainability of the enterprise.

**GSN431 New Venture Growth and Transitions**

**Pre-requisites**
GSN410 or GSZ410

**Credit Points**
6

**Campus**
null

Study after study shows that the vast majority of new entrepreneurial ventures fail prior to reaching maturity despite the potential of the new product or service and the passion, commitment and hard work of the business founders. Management's ability to make the transition from the new, small firm to a rapidly growing company is critical to its success. This unit provides students with the opportunity to learn about the strategic and organisational challenges associated with each phase of new venture growth cycle and to develop a suite of tools and techniques that can employ to manage the growth and transition of their own entrepreneurial ventures.

**GSN443 Effective Advocacy for Managers**

**Pre-requisites**

**Credit Points**
6

**Campus**
null

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 QUT Business School.

**GSN445 Special Topic 2**

**Equivalents**
GSZ445

**Credit Points**
6

**Campus**
Gardens Point

**Teaching Periods**
2014 6TP5 (INT), 2014 6TP4 (INT), 2014 6TP3 (INT), 2014 6TP1 (INT); 2014 6TP2 (INT)

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 QUT Business School.

**GSN445 Special Topic 3**

**Credit Points**
6

**Campus**
Gardens Point

**Teaching Periods**
2014 6TP5 (INT), 2014 6TP4 (INT), 2014 6TP3 (INT), 2014 6TP1 (INT); 2014 6TP2 (INT)

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.

**GSN446 Systems Thinking for Managers**

**Equivalents**
GSZ464.GSN502,GSZ502

**Credit Points**
6

**Campus**
Gardens Point

**Teaching Periods**
2014 6TP6 (INT); 2014 6TP3 (INT)

Leaders and managers of organisations deal with complex problems whose resolution requires holistic approaches, sophisticated thinking and pluralist methodologies. Systems Thinking is an approach that has been successfully used by business managers and leaders to engage with and manage complex and often ambiguous business problems. This unit provides students with foundational knowledge related to systems methodologies and their underpinning epistemologies that enable business leaders and managers to solve and manage the complex, multi-faceted business problems of today and tomorrow.

**GSN468 Problem Framing for Creative Action**

**Equivalents**
GSN504,GSN526,GSZ468,GSZ526,GSZ556

**Credit Points**
6

**Campus**
Gardens Point

**Teaching Periods**
2014 6TP6 (INT), 2014 6TP4 (INT), 2014 6TP3 (INT), 2014 6TP1 (INT)
Simple problem solving approaches are no longer sufficient to solve and manage the complex and multifaceted business problems of today and tomorrow. Instead, managers need to be skilled in new approaches such as problem reframing, creative problem solving, lateral, analogical and design thinking that support creative and innovative approaches for dealing with complex business challenges. This unit enables students to explore contemporary and creative approaches to problem framing and problem solving in complex business environments both at the individual and group level. Students will also have the opportunity to investigate how to create workplace environments that encourage and foster creativity and innovation.

GSN473 Corporate Governance and Accountability

Pre-requisites: GSN404 and GSN409 and GSN412 and GSN491
Equivalents: GSZ473
Credit Points: 6
Campus: Gardens Point
Teaching Periods: 2014 6TP2 (INT)

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. This unit introduces students to the principles underlying good corporate accountability and governance and 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. Comparative models of governance are also discussed drawing on examples from many cultures and jurisdictions, as well as large and small businesses.

GSN481 Philanthropic and Nonprofit Frameworks of Governance

Pre-requisites: GSN472, GSN229
Credit Points: 6
Campus: Gardens Point
Teaching Periods: 2014 6TP2 (INT)

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.

GSN484 Management for Philanthropic and Nonprofit Organisations

Anti-requisites: AMN480, GSN230
Credit Points: 6
Campus: Gardens Point
Teaching Periods: 2014 6TP4 (INT)

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.

GSN485 Legal Issues for Philanthropic and Nonprofit Organisations

Anti-requisites: GSN231
Credit Points: 6
Campus: Gardens Point
Teaching Periods: 2014 6TP5 (INT)

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.

GSN486 Accounting and Finance Issues for Philanthropic & Nonprofit Organisations

Anti-requisites: GSN231
Credit Points: 6
Campus: Gardens Point
Teaching Periods: 2014 6TP4 (INT)

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.

GSN487 Introduction to Social Enterprise

Anti-requisites: AMN482
Credit Points: 6
Campus: Gardens Point
Teaching Periods: 2014 6TP3 (INT)

This course introduces students to ethical theories and constructs with a focus on producing effective personal and professional resolutions to 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.

GSN488 Fundraising Development Principles

Anti-requisites: GSN322, MIM409, AMN481
Credit Points: 6
Campus: Gardens Point
Teaching Periods: 2014 6TP4 (INT)

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.

GSN489 Fundraising Development Techniques

Pre-requisites: GSN488
Anti-requisites: GSN323, MIM409, AMN481
Credit Points: 6
Campus: Gardens Point
Teaching Periods: 2014 6TP5 (INT)

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.

GSN490 Managing Technological Innovation

Pre-requisites: GSN405 and GSN410
Equivalents: GSZ490
Credit Points: 6
Campus: Gardens Point
Teaching Periods: 2014 6TP3 (INT)

The management of technological innovation is a strategic process that supports, drives and influences the strategic management of the firm. The Managing Technological Innovation unit explores the dynamics of technological innovation, how to identify trends within their technological and competitive environments and use these insights to craft an innovation strategy and importantly strategies for operationalizing the innovation.

GSN491 Economics in Business

Pre-requisites: EFN405, GSN411, GSN414
Equivalents: GSZ491
Credit Points: 6
Campus: Gardens Point
Teaching Periods: 2014 6TP6 (INT); 2014 6TP3 (INT)

For business leaders and managers to operate in the volatile global business environment of today, it is important for them to have a fundamental understanding of both macro and micro economics to guide their business decision making. This unit introduces students to an analytical framework that is needed to understand how market conditions are
determined at both the micro and macro levels and how market conditions affect business performance including issues such as supply and demand, market structures and how they impact pricing strategies and decisions of individual firms, structure of the economy as well as some exploration of international trade.

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### GSN51 Negotiation Skills and Strategies

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<tr>
<th>Equivalents</th>
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<tr>
<td>Credit Points</td>
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<tr>
<td>Campus</td>
<td>Gardens Point</td>
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<td>Teaching Periods</td>
<td>2014 ET01 (INT)</td>
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Negotiation is an important part of everyday management, and effective negotiation skills are indispensable for successful managers operating in a globalised and complex business environment. The Negotiation Skills and Strategies unit introduces students to a conceptual framework for analysing the business negotiation process. The exploration of negotiation practices in different contexts better prepares students for negotiation in the increasingly globalised business environment.

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### GSN558 Stakeholder Engagement and Media Principles

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<tr>
<th>Equivalents</th>
<th>GSN558, GSN555, GSN496, GSN523, GSN523</th>
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<tr>
<td>Credit Points</td>
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<td>Teaching Periods</td>
<td>2014 ET06 (INT)</td>
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In this globally connected world it has never been so important for organisations to effectively manage their public reputation portrayed in both traditional and social media. The Stakeholder Engagement and Media Principles unit develops students' understanding of the role of stakeholder engagement, the importance of stakeholder analysis and the role media plays in influencing organisational issues.

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### GSN559 Improving Business Operations

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<th>Equivalents</th>
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<td>Credit Points</td>
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<td>Campus</td>
<td>Gardens Point</td>
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<td>Teaching Periods</td>
<td>2014 ET05 (INT)</td>
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The use of a Business Process Improvement (BPI) approach is recognised as being effective for improving business operations. The Improving Business Operations unit introduces students to the Business Process Improvement process including the tools, and phases of business process re-engineering. The unit is designed to stimulate strategic thinking and analysis by applying business process re-engineering theory in a real world context.

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### GSN560 Advanced Strategy for Global Business

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<tr>
<th>Equivalents</th>
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<td>Credit Points</td>
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<td>Campus</td>
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<td>Teaching Periods</td>
<td>2014 ET04 (INT)</td>
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Business leaders today need to be multi-disciplinary strategic thinkers, who have foresight and an ability to take a big-picture, long term view of an organisation. Additionally, the ability to make decisions, often with incomplete information, and to determine appropriate strategic responses to complex, global business problems and opportunities is seen as the key determinant of positive business outcomes and the longevity of organisations. The Advanced Strategy for Global Business unit helps students to develop a sophisticated knowledge and application of strategic analysis techniques and approaches including the dynamics of inter-firm dependencies, the nature of complex-adaptive systems, an understanding of the pivotal role of data in the strategy process and the limitations of theoretical models.

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### GSN569 Services Innovation

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<tr>
<th>Pre-requisites</th>
<th>GSN405 and GSN490</th>
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<tr>
<td>Credit Points</td>
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Service innovations can enhance existing products and services and enable businesses to penetrate new markets, attract new customers, achieve higher margins, reduce costs and help to shape new ways of working with stakeholders to sustain competitive advantage. This unit explores the initiation and application of service innovation in varied contexts and new ways of creating value for the firm and its stakeholders. In particular the unit focuses on the importance of service innovation, how to manage the process of service innovation and some practical frameworks to guide decision-making at a strategic level.

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### GSN570 Integrated Workplace Project Part 1: Business Research Methods

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<tr>
<th>Pre-requisites</th>
<th>GSN473 and GSN490</th>
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<tr>
<td>Credit Points</td>
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<td>Campus</td>
<td>Gardens Point</td>
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<td>Teaching Periods</td>
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The Integrated Workplace Project 1 – Business Research Methods unit is the first of two capstone units in the MBA program. This unit is designed to provide students with the opportunity to apply the learnings from the program in an integrated manner to address a complex work-based problem or a new or emerging business opportunity of interest to the student, their employer or a sponsoring organisation. This unit, specifically explores how to conduct effective business research and analysis for a real workplace situation.

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### GSN571 Integrated Workplace Project Part 2: Organisational Opportunities and Ventures

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>GSN570</th>
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<tr>
<td>Credit Points</td>
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<tr>
<td>Campus</td>
<td>Gardens Point</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 ET03 (INT); 2014 ET01 (INT)</td>
</tr>
</tbody>
</table>

The Integrated Workplace Project is the capstone unit in the MBA program. This 12cp unit is designed to enable students to draw together and integrate the learnings from the MBA program and apply their learning to a live workplace project. Students will be required to identify, scope and investigate a real world workplace problem or opportunity for a specific organisation, including conducting applied business research in relation to the issue. Additionally students will be required to make a series of informed recommendations for a pivotal role of data in the strategy process and the limitations of theoretical models.
Business leaders and managers work in complex business environments, in the era of Big Data, where mind-boggling volumes data and information is generated daily on just about every aspect of the business and the economy. This unit provides students with the opportunity to learn how to make effective business decisions based on the application of a number of standard data analysis techniques to real-world business problems. This unit provides students with the opportunity to integrate and draw upon their disciplinary knowledge in analysing data and making decisions.

### GSZ407 Communicating to Influence

**Anti-requisites:** GSZ603  
**Equivalents:** GSZ407  
**Credit Points:** 6  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 6TP2 (BLK)

Specialised knowledge alone is no longer enough to guarantee success in business. You must be able to effectively communicate this knowledge with a variety of audiences, in a variety of situations and using a range of communication technologies. This unit provides students the opportunity to develop highly effective and persuasive oral, written and technology enabled communication skills. The unit encourages students to develop an understanding of their audience, sensitivity to language use and to demonstrate the value and power of language as a means of persuasion in managerial and leadership contexts.

### GSZ408 Fundamentals of Marketing Management

**Equivalents:** GSN408  
**Credit Points:** 6  
**Campus:** null  
**Teaching Periods:** null

The Fundamentals of Marketing Management unit provides students with the opportunity to critically examine and evaluate the role of marketing and its contribution to the strategic processes of organisations operating in increasingly complex and highly competitive global business environments. A study of key marketing decisions made by real world organisations are examined including the marketing concept, the marketing mix, marketing information systems, marketing research, market segmentation, targeting and positioning, and the process of marketing planning, implementation and control.

### GSZ409 Understanding and Leading Others

**Anti-requisites:** MGN412  
**Equivalents:** GSZ409  
**Credit Points:** 6  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 6TP5 (BLK)

The Understanding and Leading Others unit will help students to be able to identify, assess and understand the factors that influence the thoughts, feelings, motivations and actions of individuals in the workplace. Students will then have the opportunity to apply these insights into human behaviour within organisations to determine the most effective strategies and courses of action for maximising the potential of individuals and to lead and build high performing face-to-face and virtual teams.

### GSZ410 Entrepreneurship

**Equivalents:** GSZ410  
**Credit Points:** 6  
**Campus:** Gardens Point

The Entrepreneurship unit introduces students to the field of entrepreneurship and the management of innovation. Through the study of this unit, students will be able to develop an understanding of entrepreneurial attitudes, abilities, behaviours and culture and explore a range of issues related to opportunity recognition, viability screening for sustainable competitive advantage, risk recognition and mitigation, intellectual property protection and developing a business model for a new enterprise.

### GSN403 Reflective Practice for Business and Society

**Anti-requisites:** GSN402  
**Equivalents:** GSN404  
**Credit Points:** 6  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 6TP2 (BLK)  
2014 6TP3 (BLK)

This unit provides students with the opportunity to develop an understanding of accounting techniques that are useful for managerial decision making. Essentially this unit concentrates on two key areas of particular importance to business managers and leaders: budgeting and cost control accounting and the analysis and interpretation of financial statements. Through the study of this unit, students will be in a better position to make informed predictions, recommendations and decisions about future directions and actions that are needed to ensure the financial stability of a particular organisation.

### GSZ405 Strategic Management

**Equivalents:** GSN405  
**Credit Points:** 6  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 6TP2 (BLK)

Strategy is the process of determining goals and moving towards the achievement of those goals in a business, government, or not-for-profit setting. The Strategic Management 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 the foundations for students in terms of understanding contemporary thinking in the strategy field.

### GSZ406 Human Resource Management Issues

**Equivalents:** GSN406  
**Credit Points:** 6  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 6TP6 (BLK); 2014 6TP9 (BLK)

There is increasing recognition internationally of the critical contribution of effective people management in obtaining and sustaining a strategic advantage in an increasingly globally competitive business environment. This unit provides students with the opportunity to examine the challenges faced by managers and leaders in achieving effective human resource management in the complex business environments of today and tomorrow. The unit adopts an issues-based approach, designed to build awareness of the human resource management issues and build contextually specific solutions to those issues in diverse industry contexts.

### GSZ411 Real World Business

**Anti-requisites:** GSN410  
**Equivalents:** GSN411  
**Credit Points:** 6  
**Campus:** null  
**Teaching Periods:** null

It is essential for business leaders and managers who must make financial decisions, to have a fundamental understanding of the operation of financial markets and how these markets impinge on the operation of their organisation. They must know how to properly value cash flows and other assets, and understand the fundamentals of asset diversification, risk and return, and the cost of capital. This unit introduces students to the national and international financial environments in which they operate from a personal and business perspective. The unit explores the three major lessons in finance: time value, diversification and arbitrage.

### GSZ412 Business Law

**Anti-requisites:** AYN410 and EFN413  
**Equivalents:** GSN412  
**Credit Points:** 6  
**Campus:** null  
**Teaching Periods:** null

The Business Law 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.

### GSZ413 Financial Management

**Pre-requisites:** GSZ403  
**Anti-requisites:** EFN406  
**Equivalents:** GSN413  
**Credit Points:** 6  
**Campus:** Gardens Point  
**Teaching Periods:** 2014 6TP4 (BLK)

In a complex society where changes are occurring with increasing speed and frequency, leadership has never had greater significance, nor has it been more challenging. The Leadership and Complexity unit is designed to improve the capacity of students to understand, communicate and influence the people they will lead in complex, rapidly changing business environments. Students will be taken through a variety of reflective activities designed to help them to shape up their own leadership philosophy that will form the foundation of their leadership style.
 often ambiguous business problems. This unit provides students with foundational knowledge related to systems methodologies and their underpinning epistemologies that enable business leaders and managers to solve and manage the complex, multi-faceted business problems of today and tomorrow.

**GSZ468 Problem Framing for Creative Action**

- **Pre-requisites**: GSZ468, GSZ405, GSZ406, GSZ407, GSZ408, GSZ409, and GSZ412
- **Credit Points**: 6
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 STP4 (BLK)

Simple problem solving approaches are no longer sufficient to solve and manage the complex and multi-faceted business problems of today and tomorrow. Instead, managers need to be skilled in new approaches such as problem reframing, creative problem solving, lateral, analogical and design thinking that support creative and innovative approaches for dealing with complex business challenges. This unit enables students to explore contemporary and creative approaches to problem framing and problem solving in complex business environments both at the individual and group level. Students will also have the opportunity to investigate how to create workplace environments that encourage and foster creativity and innovation.

**GSZ473 Corporate Governance and Accountability**

- **Pre-requisites**: GSZ404 and GSZ409
- **Credit Points**: 6
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 STP4 (BLK)

Boards of directors and managers of organisations are now legally as well as morally accountable for the company’s assets and its place in our society and economy. Comparative models of governance are also discussed drawing on examples from many cultures and jurisdictions, as well as large and small businesses.

**GSZ490 Managing Technological Innovation**

- **Pre-requisites**: GSZ405 and 42cp of EMBA units
- **Credit Points**: 6
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 STP5 (BLK)

The management of technological innovation is a strategic process that supports, drives and influences the strategic management of the firm. The Managing Technological Innovation unit explores the dynamics of technological innovation, how to identify trends within their technological and competitive environments and use these insights to craft an innovation strategy and importantly strategies for operationalising the innovation.
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.

### GSZ503 Self Realisation and Personal Development
- **Equivalents**: GSN503, GSZ554
- **Credit Points**: 6
- **Campus**: External
- **Teaching Periods**: 2014 5TP4 (EXT)

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.

### GSZ505 Communicating Effectively
- **Equivalents**: GSN505
- **Credit Points**: 6
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 5TP4 (BLK)

### GSZ507 Developing and Leading High Performance Teams
- **Equivalents**: GSN507
- **Credit Points**: 6
- **Campus**: External
- **Teaching Periods**: 2014 5TP7 (EXT)

### GSZ508 Organisational Behaviour and Culture
- **Equivalents**: GSN508
- **Credit Points**: 6
- **Campus**: External
- **Teaching Periods**: 2014 5TP7 (EXT)

### GSZ509 Workplace Project 1
- **Equivalents**: GSN509
- **Credit Points**: 6
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 5TP4 (EXT)

### GSZ510 Complex Projects and the Law
- **Equivalents**: GSN510
- **Credit Points**: 6
- **Campus**: External
- **Teaching Periods**: 2014 5TP7 (EXT)

### GSZ512 Strategically Managing Risk
- **Equivalents**: GSN512
- **Credit Points**: 6
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 5TP4 (BLK)

### GSZ513 Managing Innovation in Technology-Based Organisations
- **Equivalents**: GSN513
- **Credit Points**: 6
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 5TP7 (BLK)

### GSZ515 Business Planning
- **Equivalents**: GSN515
- **Credit Points**: 6
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 5TP7 (BLK)

### GSZ516 Negotiation and Mediation Strategies
- **Equivalents**: GSN516
- **Credit Points**: 6
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 5TP7 (BLK)

### GSZ517 International Study Tour
- **Equivalents**: GSN517
- **Credit Points**: 6

### GSZ518 Implementation of Complex Projects
- **Equivalents**: GSN518
- **Credit Points**: 6
- **Campus**: null
- **Teaching Periods**: 2014 5TP4 (BLK)

### GSZ519 Leadership for Results
- **Equivalents**: GSN519
- **Credit Points**: 6
- **Campus**: null
- **Teaching Periods**: 2014 5TP7 (EXT)

### GSZ520 Planning and Implementing Change
- **Equivalents**: GSN520
- **Credit Points**: 6
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 5TP4 (BLK)

### GSZ521 Managing Contract Relationships
- **Equivalents**: GSN521
- **Credit Points**: 6
- **Campus**: null
- **Teaching Periods**: 2014 5TP7 (BLK)

### GSZ522 Accountability and Governance
- **Equivalents**: GSN522
- **Credit Points**: 6
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 5TP4 (BLK)

### GSZ523 Stakeholder Engagement and the Media
- **Equivalents**: GSN523, GSZ555
- **Credit Points**: 6
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 5TP4 (BLK)

### GSZ524 Capstone Integrating Workplace Project
- **Equivalents**: GSN524
- **Credit Points**: 6
- **Campus**: Gardens Point
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.

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Leaders in business, government and community organisations face daily challenges and difficult decisions. How leaders make decisions in complex environments is an insight that is rarely able to be observed by students developing their own leadership and decision making skills. Students completing this highly experiential unit will be paired with a senior executive level leader from a business, government or community organisation to observe the leader in action and engage in discussions about leadership, decision making and dealing with the ethical dilemmas faced by this leader over a period of nine months. This unit is positioned to build upon the EMBA executive coaching program and the work completed in GSZ415 Leadership and Complexity unit.

In this globally connected world it has never been so important for organisations to effectively manage their public reputation portrayed in both traditional and social media. The Stakeholder Engagement and Media Principles unit develops students understanding of the role of stakeholder engagement, the importance of stakeholder analysis and the role media plays in influencing organisational issues.

Business leaders today need to be multi-disciplinary strategic thinkers, who have foresight and an ability to take a big-picture, long term view of an organisation. Additionally, the ability to make decisions, often with incomplete information, and to determine appropriate strategic responses to complex, global business problems and opportunities is seen as the key determinant of positive business outcomes and the longevity of organisations. The Advanced Strategy for Global Business unit helps students to develop a sophisticated knowledge and application of strategic analysis techniques and approaches including the dynamics of inter-firm dependencies, the nature of complex-adaptive systems, an understanding of the role of data in the strategy process and the strategic thinkers, who have foresight and an ability to take a big-picture, long term view of an organisation. Additionally, the ability to make decisions, often with incomplete information, and to determine appropriate strategic responses to complex, global business problems and opportunities is seen as the key determinant of positive business outcomes and the longevity of organisations. The Advanced Strategy for Global Business unit helps students to develop a sophisticated knowledge and application of strategic analysis techniques and approaches including the dynamics of inter-firm dependencies, the nature of complex-adaptive systems, an understanding of the role of data in the strategy process and the limitations of theoretical models.

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## GSZ602 Actioning Strategic Change and Innovation

**Anti-requisites**: GSZN05  
**Credit Points**: 12

Today we operate in a highly-competitive globalised business environment. Those charged with leading large, medium or small business organisations or government departments or agencies must be able to identify and seize the business opportunities associated with conducting business internationally. This unit provides students with the tools and strategies to give them increased confidence and competence in their ability to conduct business internationally. Conducting Business Internationally should be studied in conjunction with GSZ428 International Study Tour. This unit forms part of the EMBA Integration and Specialisation component of the program and should be undertaken by students once all the units in the Building Foundations and the majority of units in the Multi-Disciplinary Decision Making components of the program are complete. This unit will be made available students from 2014 and replaces the Special Topic unit, Doing Business in China.

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<tbody>
<tr>
<td>GSZ602 Actioning Strategic Change and Innovation</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 6TP2 (BLK)</td>
</tr>
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</table>

Managing the development and implementation of strategy in government organisations requires the ability to effectively develop innovative solutions for problems in complex environments and plan for the change process through their implementation. This unit examines strategic management concepts and frameworks that will help the manager to understand the strategic context and develop business strategies aligned to government policy frameworks.

## GSZ603 Communicating for Results

**Anti-requisites**: GSZN07, GSZ407  
**Credit Points**: 12  
**Campus**: Gardens Point  
**Teaching Periods**: 2014 6TP6 (BLK); 2014 6TP5 (BLK)

New ventures can originate from any organisational context. Irrespective of the context, entrepreneurs face unique challenges in planning for and designing new ventures. This capstone unit in the EMBA program, provides students with the opportunity to apply learnings from the program in an integrated manner resulting in the designing and planning of a new ventures within an existing organisation or a new start-up or a not-for-profit organisation. GSZ572 forms part of the EMBA Integration and Specialisation component of the program and should be undertaken by students once all the units in the Building Foundations and the Multi-Disciplinary Decision Making components of the program are complete. This unit will be available to students from 2014 and will replace GSZ416 Business Plans 1.

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<tr>
<td>GSZ572 Planning for New Ventures</td>
<td>6</td>
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<tr>
<td>GSZ603 Communicating for Results</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 6TP6 (BLK); 2014 6TP5 (BLK)</td>
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## GSZ604 Navigating Risk, Ethics and Politics

**Anti-requisites**: GSZ406  
**Credit Points**: 12  
**Campus**: null

## GSZ605 Beyond Accounting: Strategically Managing Public Funds

**Credit Points**: 12  
**Campus**: Gardens Point  
**Teaching Periods**: 2014 6TP6 (BLK)

- This unit provides an holistic approach to the theory and practice of financial management, accounting and accountability in public sector agencies; examines the regulatory framework and the social and environmental pressures for financial reform; and considers aspects of budgeting, control and auditing.

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<tr>
<td>GSZ605 Beyond Accounting: Strategically Managing Public Funds</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 6TP6 (BLK)</td>
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## GSZ606 Leading Strategic Initiatives and Programs

**Credit Points**: 12  
**Campus**: Gardens Point  
**Teaching Periods**: 2014 6TP6 (BLK)

Building on the underpinning principles of established frameworks such as Managing Successful Programmes (MSP), aspiring leaders must be able to design and lead organisational transformation initiatives in complex and changing environments. The ability to lead in complex environments, having the self-awareness to engage with diverse stakeholders and senior executives both within and external to the organization and manage conflicting interests, at the same time as ensuring alignment of program and organisational strategy, is critical to success.

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<tr>
<td>GSZ606 Leading Strategic Initiatives and Programs</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 6TP6 (BLK)</td>
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<tr>
<td>GSZ607 Developing and Delivering Complex and Contested Policy</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 6TP5 (BLK)</td>
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It is essential for high performance in a leadership role that strong capabilities in these areas are developed. The skills necessary for this role cannot be learnt through experience alone. This unit will pass on the wisdom of practitioners and academics to put you in the best position to take on these high stakes responsibilities.

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<td>Gardens Point</td>
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Within the context of an approved Outward Bound Mobility activity, this unit provides an opportunity for you to further develop your knowledge and skills for working in a globalised context through an international experience undertaken within the context of your course. It allows you to build on, and extend studies that you have completed in the earlier parts of your course. It also offers an international 'lens' through which to reflect on your current course experiences and, thus, the opportunity to broaden and deepen your repertoire of skills for working in local and/or global contexts.

### HLB300 Independent Study

**Pre-requisites**
Completion of 192cp

**Credit Points**
12

**Campus**
Kelvin Grove

**Teaching Periods**
2014 SEM-1 (INT); 2014 SEM-2 (INT); 2014 SUM (INT)

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.

### HLB400 Transition to Professional Practice

**Credit Points**
12

**Campus**
null

### HLN004 Chronic Conditions Prevention and Management

**Equivalents**
PUN553

**Credit Points**
12

**Campus**
Kelvin Grove and External

**Teaching Periods**
2014 SEM-1 (EXT, INT); 2014 SEM-2 (EXT, INT)

The unit introduces a range of factors that contribute to the development, prevention and management of chronic conditions. It has an interdisciplinary focus that addresses the continuum of care from primary health to tertiary interventions.

### HLN045 Qualitative Research

**Credit Points**
12

**Campus**
Kelvin Grove and External

**Teaching Periods**
2014 SEM-1 (EXT, INT); 2014 SEM-2 (EXT, INT)

This unit addresses a range of qualitative methodologies and methods that present as alternative approaches to the quantitative paradigm in health science research. The predominance of the natural sciences in nursing/health research has come into question in more recent times and thus the unit introduces students to the origins of such challenges, to the knowledge bases of alternative ways of investigating the social world of health/illness and to related research methods. The unit comprises a series of lectures, seminar presentations and relevant readings.

### HLN700 Thesis

**Credit Points**
48

**Campus**
null

Through undertaking a research project in a specialised area of practice, the dissertation provides the opportunity for you to develop advanced skills in the critical evaluation, interpretation and application of research.

#### HLN701 Independent Study

**Credit Points**
12

**Campus**
Kelvin Grove and External

**Teaching Periods**
2014 SEM-1 (INT, EXT); 2014 SEM-2 (EXT, INT); 2014 SUM (INT)

The development of critical appraisal skills is essential for students undertaking postgraduate study. This unit provides an opportunity to investigate a relevant topic in your area of study. In the process of identifying, gathering and analysing up-to-date relevant literature, you will strengthen skills in the synthesis of information and report writing relevant to your field.

#### HLN703 Project A

**Credit Points**
24

**Campus**
null

Through undertaking a small project in a specified area, this unit provides you with the opportunity to consolidate, extend and apply the advanced knowledge and skills you have gained through your course to date.

#### HLN704 Project B

**Pre-requisites**
HLN703

**Credit Points**
24

**Campus**
null

#### HLN705 Advanced Quantitative Research Methods

**Pre-requisites**
PUN105

**Credit Points**
12

**Campus**
null

This unit further develops your knowledge, skills and application of statistical methods by building on the foundations acquired in PUN105 Health Statistics 1. It is common in health to deal with data that is not easily analysed using basic statistical techniques. This unit focuses on providing you with the skills needed to undertake advanced statistical modelling such as regression logic, survival analysis and longitudinal data analysis. You will apply your knowledge to the analysis of data using the SPSS statistical software. The techniques covered in the unit will equip you with the skills necessary to analyse most of the data typically generated in clinical and population health settings.

#### HLN707 Research Methods for Health

**Credit Points**
12

**Campus**
null

Research Methods for Health provides practical training in research skills and takes you through the process of developing an answerable research question, to designing the study, planning the research project’s implementation, and planning the analysis and dissemination of the research findings.

#### HLN708 Project

**Credit Points**
48

**Campus**
null

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.

#### HLN710 Epidemiology

**Credit Points**
12

**Campus**
null

This unit introduces you to the fundamentals of epidemiology. You will develop the skills to apply epidemiological principles to public health and clinical practice. This includes undertaking logical, scientific assessment of the health literature, with a strong emphasis on critical appraisal of health information and data.

#### HLN711 Advanced Qualitative Methods

**Credit Points**
12

**Campus**
null

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.

#### HLN720 Clinical Education in Health

**Credit Points**
12

**Campus**
Kelvin Grove and External

**Teaching Periods**
2014 SEM-2 (INT, EXT)

This unit is 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.

**HLN750 Thesis**

- **Credit Points**: 24
- **Campus**: null

Through undertaking a research project in a specialised area of practice, the dissertation provides the opportunity for you to develop advanced skills in the critical evaluation, interpretation and application of research. Together, HLN750-1 and HLN750-2 comprise a 48 credit point unit that can be studied over two semesters. Assessment items are submitted and a final grade awarded only at the end of the final sub-unit HLN750-2.

**HLN750 Thesis**

- **Credit Points**: 24
- **Campus**: null

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.

**HLP101 Advanced Discipline Readings**

- **Pre-requisites**: HLP105, HLP105 can be studied in the same teaching period as HLP101 (or Admission into HLS5 or HLS6 or HLS7 or HLS5 or HLS5)
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**HLP102 Research Seminars**

- **Pre-requisites**: HLP101
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

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.

**HLP103 Dissertation**

- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**HLP106 Research Strategies 2**

- **Pre-requisites**: HLP104 and HLP105. HLP104 and HLP105 can be studied in the same teaching period as HLP106
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

**HLP107 Project 4**

- **Pre-requisites**: HLP107-1
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

**HLP107 Project 3**

- **Pre-requisites**: HLP105
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

**HLP107 Project 2**

- **Pre-requisites**: HLP107-1
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

**HLP107 Project 1**

- **Pre-requisites**: HLP105
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

**HMB171 Fitness Health and Wellness**

- **Credit Points**: 12
- **Campus**: null

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.
HMB292 Health Education Curriculum Studies 1
Pre-requisites: HMB171 and HMB338
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

HMB351 Wellness Coaching
Pre-requisites: INB171 and HMB338
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

HMB396 Health Education Curriculum Studies 2
Pre-requisites: HMB292
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

IAB130 Databases
Anti-requisites: INN210
Equivalents: INB210, IND210, ITB004
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

IAB201 Modelling Information Systems
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

IAB202 Business of Information Technology
Pre-requisites: IFB101
Anti-requisites: INB301
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

IAB210 Databases
Anti-requisites: INN210
Equivalents: ITB004
Credit Points: 12
Campus: null

IAB213 Innovation and Disruption
Pre-requisites: INB350
Credit Points: 12
Campus: null

IAB215 Digital Transformation
Pre-requisites: INB350
Credit Points: 12
Campus: null

IAB216 Social Enterprise
Pre-requisites: INB350
Credit Points: 12
Campus: null

IAB230 Mobile and Ubiquitous Computing
Pre-requisites: IFB104
Equivalents: INB345
Credit Points: 12
Campus: null

IAB260 Social Technologies
Pre-requisites: IFB101
Credit Points: 12
Campus: null

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.

IAB125 Social Technologies
Pre-requisites: INB350
IAB320 Business Process Improvement

This unit will teach you how to conduct an end-to-end organizational process improvement project, from analysis to redesign. The students will be equipped with a comprehensive set of methods, techniques and tools that can be used effectively to progress with a process improvement effort. These include quantitative and qualitative analysis techniques as well as various process redesign paradigms. You will also develop your understanding of any active process improvement methodologies such as Lean, Six Sigma and Process Reengineering. The unit will use a hands-on approach, with real-life case studies, to enable authentic learning outcomes.

IAB321 Business Process Technologies

Whether you will be a business analyst, a process owner, a solution architect or a software engineer, it is essential that you understand the principles and value of business process automation, in order to fully realise the benefits of Business Process Management. This unit introduces the fundamentals of "business process automation". You will learn how to develop an executable business process based on a business-oriented process model. You will practice how to automate an executable process using a business process management system (BPMS) and how to monitor its progress. The unit further presents various post-execution techniques for analysing the behaviour of automated processes. The hands-on approach allows students to design, control and analyse automated business processes using a variety of well-known business process technologies.

IAB322 Business Process Technologies

This unit will focus on the beginner to intermediate concepts for mobile development, using iOS and Windows Phones platforms as case study. It covers the native programming language, basic data persistence and views, access and manipulation of Web API (or cloud services), map and navigation, gesture interactions, as well as debugging and performance tweaking. All of these skills and knowledge, and the steps for internal ad-hoc distribution and commercial deployment are meant to kick-off the journey of creating real world mobile apps.

IAB330 Mobile Application Development

This unit will focus on the beginner to intermediate concepts for mobile development, using iOS and Windows Phones platforms as case study. It covers the native programming language, basic data persistence and views, access and manipulation of Web API (or cloud services), map and navigation, gesture interactions, as well as debugging and performance tweaking. All of these skills and knowledge, and the steps for internal ad-hoc distribution and commercial deployment are meant to kick-off the journey of creating real world mobile apps. While prerequisite skills in programming is necessary, this unit will emphasise on the use of designer-friendly prototyping tools, including graphical interface for the creation of user interface (e.g. Interface Builder for iOS), and user interface markup languages (e.g. XAML for Windows platforms).

IAB331 Business in the Cloud

This unit will address the knowledge, skills and challenges of understanding and assisting organisations in adopting cloud computing and transforming business through new cloud orchestration models. It will cover different aspects of developing a detailed digital strategy for business in the cloud, including: cloud computing concepts and principles and developing technical cloud architecture; developing a business architecture including business analysis, business case analysis and change management; and understanding legal and regulatory policy that governs the use of cloud services. Through the knowledge, skills and assessments of the unit, students will develop a sound management acumen for undertaking business and IT professional roles related to cloud adoption and practice.

IAB350 Enterprise Systems Configuration

Configuration is a critical step of ES implementation. Configuring an Enterprise System is largely a matter of balancing the way the organisation wants the system to work with the way it was designed to work, as per the business requirements of the organisation. Configuring an Enterprise System is completed through the in-built changeable parameters that modify system operation. For example, an organisation can select the type of inventory accounting to use, whether to recognise revenue by geographical unit, product line, or distribution channel and whether to pay for shipping costs when a customer returns a purchase.

IAB352 Enterprise Systems Configuration

This subject provides the you with a comprehensive understanding of the operations of an information systems consulting firm and skills pertaining to the consulting process. The focus of the subject is engagement; in other words, the practices that consultants use to win clients. You are professionally trained in information systems consulting skills such as proposal writing, engagement meetings, consulting presentations and negotiation. This builds on the skills developed in business analysis. A grand simulation is held at the end of semester where consulting teams compete against each other to win an information systems tender. This unit is highly regarded in industry and several large consulting firms recruit students who complete this subject.

IAB360 Social Enterprise

Social enterprise brings together all the talents, interests, experience, insights, and knowledge of people in ways that are independent of the vertical top to bottom hierarchy, or end to end process orientation. For example, organizations, large and small, must evolve into social enterprises, using social media to foster deep productive collaboration with employees, customers and other stakeholders in their value chain. The aim of this unit is to understand how to identify and derive value from a community and consistently use social technologies for defined processes and collaboration. You will not only gain...
knowledge and expertise in implementing social media to solve problems and to engage people but will also learn how to consistently use social technologies to facilitate social enterprise in the value chain, business support, and business ventures.

**IAB450 Enterprise Systems Management**

Pre-requisites: IAB350

Credit Points: 12

Campus: null

Enterprise System lifecycle is lengthy and complex. It involves multiple parties; both internal and external to the organisation. During the lifecycle of these complex systems developed by software vendors (e.g. SAP AG., Oracle Corp.), are implemented by software consultants (e.g. Accenture, IBM). The selection of such an application suitable to the organisation involves such activities including: detailed business requirements analysis, request for information, request for quotations, then ultimately leading to the selection of the software package. After selecting the ES package, the organisation then implements the software package employing several methodologies and implementation strategies. Understanding of business process improvements and change management are also vital topics of discussions for Enterprise Systems lifecycle management. Once the ES is implemented, the organisation should then monitor its performance through key performance indicators derived for the organisation.

**IFB101 Impact of IT**

Equivalents: INB101, IND103

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit investigates the transformational relationship between information technology (IT) and individuals, society and organisations. It focuses on determining and evaluating the impact IT can have from a range of perspectives including personal, social, ethical, organisational, political and cultural. Case studies across a variety of domains (e.g. health, education, transport, media or banking) will link theory with practice, and build your understanding of the depth and breadth of change, both positive and negative, that is driven by information technology.

**IFB102 Computer Technology Fundamentals**

Equivalents: INB102, IND102

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit develops your knowledge and understanding of computer technology which will support your subsequent learning of IT. This unit covers certain examples of technology but does so in an integrated way which demystifies technology, providing a path to understand computer technology all the way from silicon to the web. The unit focuses on the architecture of computers, networks, and the Web, so that you will be able to understand how these components work and function now and will do so in the future.

**IFB103 Designing for IT**

Equivalents: INB1812

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

As emerging technologies provide increasing opportunities for innovation, design thinking is becoming a much sought after skill as it provides an effective approach to understand and develop user centred solutions. In this unit, you will be introduced to design thinking as an approach for innovation and problem solving and how to apply this technique to develop IT solutions to real-world problems. Teamwork is introduced and assessed in this unit. You and your team members will pitch your ideas and designs using oral and visual communication skills to gain peer and peer feedback. This unit lays the foundational design, communication and teamwork skills that will be integrated and practised through a design thinking project, and culminating in the final year capstone project.

**IFB104 Building IT Systems**

Equivalents: INB104, IND104, ITB001

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This introductory unit gives you practical experience with the various kinds of computer languages used to build IT systems. Modern IT applications are built in a variety of ways ranging from "mash ups" of existing applications, to adding new mobile interfaces on top of legacy enterprise systems, to "scratch" development of entirely new applications. This is done using a wide range of computer languages: programming, scripting, querying, pattern matching, mark-up, user interface, etc. This unit uses small in-class exercises and larger practical assignments to give you hands-on experience with such languages, working both individually and collaboratively. The focus is not on the details of programming per se but on how technologies are used by IT developers and what they can do.

**IFB299 Application Design and Development**

Pre-requisites: (IFB103 or INB103) and (CAB201 or IAB201)

Equivalents: INB201

Credit Points: 12

Campus: null

In this unit you will combine the knowledge and skills you have developed so far to complete a significant systems development unit exercise in a team environment. You will extend your ability to work collaboratively and effectively with others from myriad backgrounds, leveraging the different knowledge and skills available in your team, to design and develop solutions that meet real world requirements.

**IFN001 Advanced Information Retrieval Skills**

Credit Points: 4

Campus: Gardens Point, Kelvin Grove and External

Teaching Periods: 2014 SEM-1 (BLK, EXT, INT)

Advanced Information Research Skills (AIRS) provides a baseline set of research skills preparatory for higher degree research at QUT. The unit assists researchers to be more effective and efficient in the use of information resources, processes and systems. It is offered in blended learning mode via online modules, and supplemented with learning resources, on campus workshops, and Liaison Librarian consultations.

**IFP100 Knowledge Transfer and Research Commercialisation**

Credit Points: 12

Campus: External

Teaching Periods: 2014 SEM-1 (EXT)

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**IFP110 R&D Management Project 1**

Credit Points: 24

Campus: Gardens Point and External

Teaching Periods: 2014 SEM-1 (EXT); 2014 SEM-2 (EXT)

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.

**IFP111 R&D Management Project 2**

Credit Points: 24

Campus: Gardens Point and External

Teaching Periods: 2014 SEM-1 (EXT); 2014 SEM-2 (EXT)

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.

**IFP112 Introduction to Intellectual Property and Research**

Credit Points: 12

Campus: External

Teaching Periods: 2014 SEM-1 (EXT)

The global economic impact and significance of the management of intellectual property (IP) cannot be underestimated. Excellent skills and management practices applied to the use of intellectual property are key requirements in the context of early research, innovation and a knowledge economy. Indeed many federal governments and national funding agencies have recognised this and now require formal standards of IP management in order to maximise innovation outcomes. Intellectual property development and its management takes place in both public and private sector contexts, and facilitates the delivery of the economic, social and cultural benefits expected of research. This unit provides a number of the critical foundational concepts and practices in intellectual property processes which form the basis for key skills required by a research manager, commercialiser or entrepreneur.
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This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/.
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### Units

#### IFX401 Exchange Program - Law

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#### IFX412 Exchange Program - Justice Studies

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#### IFX413 Exchange Program - Justice Studies

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#### IFX414 Exchange Program - Justice Studies

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#### IFX417 Exchange Program - Justice Studies

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#### IFX421 Exchange Program - Law (PG)

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#### IFX422 Exchange Program - Law (PG)

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| **IFX424 Exchange Program - Law (PG)**                               |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

| **IFX425 Exchange Program - Law (PG)**                               |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

| **IFX426 Exchange Program - Law (PG)**                               |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

| **IFX427 Exchange Program - Law (PG)**                               |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

| **IFX428 Exchange Program - Law (PG)**                               |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

| **IFX502 Exchange Program - Education**                             |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

| **IFX503 Exchange Program - Education**                             |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

| **IFX504 Exchange Program - Education**                             |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

| **IFX505 Exchange Program - Education**                             |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

| **IFX506 Exchange Program - Education**                             |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

| **IFX507 Exchange Program - Education**                             |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

| **IFX508 Exchange Program - Education**                             |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT); 2014 XCH-1 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

| **IFX523 Exchange Program - Education (PG)**                       |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

| **IFX524 Exchange Program - Education (PG)**                       |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

| **IFX525 Exchange Program - Education (PG)**                       |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

| **IFX526 Exchange Program - Education (PG)**                       |
| **Credit Points**          | 12                | **EXCHANGE and External** | **Teaching Periods** | 2014 XCH-2 (EXT) |
| **This exchange unit is only available for selection to students on an approved exchange program.** |

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Students on an approved exchange program.

**IFX527 Exchange Program - Education (PG)**

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**IFX528 Exchange Program - Education (PG)**

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**IFZ448 Thesis**

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**IFZ948 Thesis**

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**INB101 Impact of IT**

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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.

**INB102 Emerging Technology**

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The aim of this unit is to provide you with a conceptual framework to understand the technologies that enable IT. This will be a fun exploration of a wide spectrum of ideas where we will examine some currently popular technologies, their history and their future. Information Technology has become so central to our daily lives that an informed understanding of it 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 produced recent technological advances in IT. Concepts leading to existing technologies are introduced during lectures, which are followed by laboratory sessions where you will be encouraged to discuss social change, future information tools and explore the concepts required for constructing these technologies.

**INB103 Industry Insights**

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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.

**INB104 Building IT Systems**

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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.

**INB120 Corporate Systems**

<table>
<thead>
<tr>
<th>Anti-requisites</th>
<th>INN180</th>
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<tbody>
<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Campus</td>
<td>Gardens Point</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
</tr>
</tbody>
</table>

This unit has the aim to introduce you broadly to your field of study and to assist you in identifying an appropriate study career path that suits your skills and interest. To that end, this unit aims to give you a broad overview of the nature and role of socio-technical information systems in corporate business settings, and the role that corporate systems managers perform within the major business domains in which they operate.

**INB122 Organisational Databases**

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<thead>
<tr>
<th>Anti-requisites</th>
<th>INN112</th>
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<tbody>
<tr>
<td>Credit Points</td>
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<td>Campus</td>
<td>Gardens Point</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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</tbody>
</table>

The aim of this unit is to teach students how databases and database-driven websites are used in organisational environments, their role in information technology, the importance of the information architecture behind the external representation of a database, issues of security, privacy, accessibility, and the social and ethical implications around databases.

**INB123 Project Management Practice**

<table>
<thead>
<tr>
<th>Anti-requisites</th>
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</thead>
<tbody>
<tr>
<td>Equivalents</td>
<td>IAB304</td>
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<tr>
<td>Credit Points</td>
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<td>Campus</td>
<td>Gardens Point</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
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</tbody>
</table>

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.

**INB124 Information Systems Development**

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<th>Credit Points</th>
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<tr>
<td>Campus</td>
<td>Gardens Point</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.

**INB180 Computer Games Studies**

<table>
<thead>
<tr>
<th>Anti-requisites</th>
<th>INB180</th>
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<tbody>
<tr>
<td>Equivalents</td>
<td>ITB750</td>
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<tr>
<td>Credit Points</td>
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<td>Campus</td>
<td>Gardens Point</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
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</tbody>
</table>

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.

**INB181 Introduction to Games Production**

<table>
<thead>
<tr>
<th>Anti-requisites</th>
<th>INB181</th>
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<tbody>
<tr>
<td>Equivalents</td>
<td>ITB751, ITN751</td>
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<tr>
<td>Credit Points</td>
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<td>Campus</td>
<td>Gardens Point</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
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</table>
INB182 Introducing Design

<table>
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<tr>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
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<tbody>
<tr>
<td>DEB101</td>
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</table>

Please note: this unit is only available to BSEG (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 you to the ways of thinking like a designer.

INB201 Scalable Systems Development

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<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
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<tbody>
<tr>
<td>INB102 or IFB102 or ITB005</td>
<td>12</td>
<td>Gardens Point</td>
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</table>

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.

INB204 Special Topic 1

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<th>Credit Points</th>
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Smart phones have become ubiquitous in daily aspects of people's lives, not only as a cellular phone, but also as a media player, a computing device, and a personal assistant. Many advanced capabilities in the relatively small devices are made possible by applying computing and information processing to multimedia data, including signal processing and machine learning techniques. Real world examples include speech recognition for controlling device, camera for taking and sharing photos, accelerometer for playing games. This special topic unit introduces a range of development tools and techniques to process input sensors in mobile phone and to analyse mobile data. For example, students will learn to develop computer vision tools for mobile applications using OpenCV to recognise objects and faces from video inputs and understand the basic technique of data mining using mobile data.

INB210 Databases

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<tr>
<th>Anti-requisites</th>
<th>Equivalents</th>
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<tbody>
<tr>
<td>INN210</td>
<td>ITB004</td>
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</table>

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.

INB220 Business Analysis

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<thead>
<tr>
<th>Anti-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
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<tbody>
<tr>
<td>INN220</td>
<td>ITB008</td>
<td>12</td>
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This unit is designed 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, case studies and role playing activities, you will develop basic knowledge and skills required for introductory business analysis (BA).

INB221 Technology Management

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<thead>
<tr>
<th>Pre-requisites</th>
<th>Anti-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
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</thead>
<tbody>
<tr>
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<td>INTN241, ITN251 and ITN266</td>
<td>ITB366, ITB241</td>
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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.

INB222 Enterprise Architecture

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<tr>
<th>Pre-requisites</th>
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<tr>
<td>INB101</td>
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Enterprise Architecture is the means by which companies align business practice and IT. It typically includes information such as the organisational structures and functions of a company, business services, processes, and data objects, and the IT landscape by way of software applications, platforms and infrastructure. These are captured through different modelling techniques and put in the different layers of the enterprise architecture. Through an enterprise architecture, a company can govern its IT on existing solutions, and acquire or develop new IT solutions.

INB250 Foundations of Computer Science

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<tr>
<th>Anti-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
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<tr>
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<td>ITB006</td>
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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.

INB251 Networks

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<tr>
<th>Anti-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
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<tr>
<td>INN251</td>
<td>ITB006</td>
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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 networks, network technologies and network applications. The unit serves as an entry point to further specialised studies in the field of computer network systems.

INB255 Security

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<th>Anti-requisites</th>
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<th>Credit Points</th>
<th>Campus</th>
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<td>ITB730</td>
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</table>

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.

INB270 Programming

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<tr>
<th>Pre-requisites</th>
<th>Anti-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
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<td>INN270</td>
<td>ITB003</td>
<td>12</td>
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</table>

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.

INB271 The Web
Pre-requisites: INB104
Anti-requisites: INB373 and INN373 and ITB227 and ITN007 and ITN227 and INN271
Equivalents: ITB007
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

INB272 Interaction Design
Pre-requisites: INB103 or INB181
Equivalents: ITB254
Credit Points: 12
Campus: null

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.

INB280 Fundamentals of Game Design
Pre-requisites: INB180
Equivalents: ITB016, ITN016
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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 and how to design characters whose behaviour and dialogue provide clues and prompts to the player.

INB281 Advanced Game Design
Pre-requisites: INB280
Equivalents: ITB017
Credit Points: 12
Campus: Gardens Point

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.

INB282 Games Level Design
Pre-requisites: INB281
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

INB300 Professional Practice in IT
Pre-requisites: INB201
Anti-requisites: ITB020, INS010, INS011, INS012, INS020
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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) basic business concepts (in relation to IT), (2) the strategic context (and the impact of IT), and (3) IT from a business perspective. You will apply your business knowledge and skills to real world cases in a contemporary IT setting, for example launching a new app and digital marketing.

INB301 The Business of IT
Pre-requisites: ITB007, IAB202
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

Students are to work together in a team of 4-6 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.

INB302 IT Capstone Project
Pre-requisites: INB301
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

The unit aims to give students an understanding of why future hardware will be increasingly parallel and the challenges this poses for software development communities. The unit aims to give students a basic understanding of this parallel hardware and practical skills in parallelizing programs using today's best tools and techniques, backed up by basic parallel programming principles.

INB303 Special Topic 3
Pre-requisites: INB311 or INB312
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SUM (INT)

Topic for Summer 2014: Customer Relationship Management Systems This unit builds on your previous knowledge of Enterprise Systems (Selection & Implementation or Application). You will investigate and explore different aspects of how corporations can employ CRM systems, covering marketing and planning, campaign management, e-marketing, customer lifecycle management, retention management, CRM service orchestration, lead management, analytics, customer segmentation, service order support and customer processing. Both conceptual and practice-based content will be critiqued in the unit. Your learning is enhanced through a combination of practical exercises, review of case studies and industry speakers. We will use the SAP CRM system for hands-on exercises as an exemplar of a CRM system.

INB305 Special Topic 4
Pre-requisites: INB311 or INB312
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SUM (INT)

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.

**INB307 Project 2**

**Equivalents** ITB791

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

**INB308 Project 3**

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

**INB309 Major Project**

**Pre-requisites** INB101 and INB102 and INB103 and INB104 and INB201

**Equivalents** ITB844

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

**INB311 Enterprise Systems**

**Antirequisites** INN311

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-2 (INT)

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.

**INB312 Enterprise Systems Applications**

**Antirequisites** INB323, INN312

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT)

The aim of this unit is to introduce business configuration aspects of a large Enterprise Systems (also referred to as ERP systems) application. The unit commences with an introduction to concepts of large system implementations, requirements gathering and analyses. The unit then teaches how to configure a large Enterprise Systems application (using SAP) for common business processes in an organization. The course also aims to provide hands-on experience of configuring a range of SAP modules. 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.

**INB313 Electronic Commerce Site Development**

**Equivalents** ITB260

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-2 (INT)

This unit will introduce you to a number of state-of-the-art business process intelligence techniques that can be used at different stages of a business process life cycle. The unit will also discuss the design.
requirements for executable process models and strategies for business process improvement.

**INB325 Corporate Systems Management Project**

*Anti-requisites* ITB370

*Credit Points* 12

*Campus* Gardens Point

*Teaching Periods* 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**INB335 Information Resources**

*Anti-requisites* INN335

*Equivalents* ITB322

*Credit Points* 12

*Campus* null

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.

**INB340 Database Design**

*Pre-requisites* INB210 or ITB004

*Anti-requisites* ITB229

*Credit Points* 12

*Campus* Gardens Point

*Teaching Periods* 2014 SEM-1 (INT)

The aim of this unit is to help you develop your knowledge, understand a formal specification tool (ERM/ ORM) for modelling information systems unambiguously and to apply this formal technique to conceptualise information systems found in many real world application domains.

**INB341 Software Development With Oracle**

*Pre-requisites* IAB130 or INB210 or ITB004 or INB122

*Equivalents* ITB223

*Credit Points* 12

*Campus* Gardens Point

*Teaching Periods* 2014 SEM-2 (INT)

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.

**INB342 Enterprise Data Mining and Data Analysis**

*Pre-requisites* INB122 or INB210 or INB340

*Anti-requisites* INN342

*Equivalents* ITB239

*Credit Points* 12

*Campus* null

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.

**INB343 Data Warehousing and Mining**

*Pre-requisites* INB210

*Credit Points* 12

*Campus* Gardens Point

*Teaching Periods* 2014 SEM-1 (INT)

This unit teaches the foundations of data warehousing and mining for producing systems that provide valuable services and decision support to business companies. Through this study, you will be able to demonstrate knowledge of the principles and techniques of data warehouse architecture and schema, OLAP and data cubes, ETL and data quality, patterns and sequences mining, association analysis, and decision tables. You will also be able to use and develop smart data services for business intelligence.

**INB344 Search Engine Technology**

*Pre-requisites* INB371

*Credit Points* 12

*Campus* null

Search engines are becoming ubiquitous not only for finding web pages but also as a key part of companies’ infrastructure. Database systems only allow access to structured data which are only the tip of the iceberg of the vast amount of information that also sits in unstructured files such as word documents, reports, email messages, etc. Industry is now realising the high value of this free text information and deploying the means to use it. Processing this information requires natural language processing for extracting meaningful relations and semantics as well as efficient indexing processes that together compose search engine technology. Today, search technology is a hot area of research and development with applications in data warehousing, e-commerce, digital libraries, bioinformatics, and web information systems in general.

**INB345 Mobile and Ubiquitous Computing**

*Credit Points* 12

*Campus* Gardens Point

*Teaching Periods* 2014 SEM-1 (INT)

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.

**INB346 Enterprise 2.0**

*Credit Points* 12

*Campus* Gardens Point

*Teaching Periods* 2014 SEM-2 (INT)

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.

**INB347 Web 2.0 Applications**

*Credit Points* 12

*Campus* Gardens Point

*Teaching Periods* 2014 SEM-1 (INT)

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.

**INB348 Mobile Application Development**

*Pre-requisites* INB370 or INB371

*Credit Points* 12

*Campus* Gardens Point

*Teaching Periods* 2014 SEM-2 (INT)

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.
INB350 Internet Protocols and Services

Pre-requisites
INB251 or ITB006 or ITB510

Anti-requisites
ITB624, ITB629, ITN525, ITN667, ITN720

Equivalents
ITB720

Credit Points
12

Campus
Gardens Point

Teaching Periods
2014 SEM-1 (INT)

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.

INB351 Unix Network Administration

Pre-requisites
INB350

Equivalents
ITB721, ITB625, ITB535, ITB525

Credit Points
12

Campus
null

Teaching Periods
2014 SEM-2 (INT)

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.

INB352 Network Planning

Pre-requisites
INB350

Anti-requisites
ITB551, ITB628, ITB722, INN352, ITN551, ITN722, ENN523

Credit Points
12

Campus
Gardens Point

Teaching Periods
2014 SEM-2 (INT)

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.

INB353 Wireless and Mobile Networks

Pre-requisites
INB251 or ITB006

Anti-requisites
ITB723

Credit Points
12

Campus
Gardens Point

Teaching Periods
2014 SEM-1 (INT)

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.

INB354 Next Generation Internetworks

Pre-requisites
INB350

Credit Points
12

Campus
Gardens Point

Teaching Periods
2014 SEM-1 (INT)

INB355 Cryptology and Protocols

Pre-requisites
ITB646, ITB548, ITB566

Credit Points
12

Campus
Gardens Point

Teaching Periods
2014 SEM-2 (INT)

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.

INB356 Cloud Computing

Pre-requisites
INB370 or INB371

Credit Points
12

Campus
Gardens Point

Teaching Periods
2014 SEM-2 (INT)

INB360 Modelling and Simulation Science

Pre-requisites
INB270

Anti-requisites
MAB480

Equivalents
MXB261

Credit Points
12

Campus
null

Teaching Periods
null

This unit aims to give students an understanding of computational techniques used for simulations (and visualisation) in a selection of application areas where the scientific problems are characterized by widely varying spatial and temporal scales. Through this study you will be able to demonstrate knowledge of the development and implementation of simulation algorithms and the analysis of resulting data using multi-dimensional visualisation techniques.

INB365 Systems Programming

Pre-requisites
INB270 or ITB003 or INB371, ITB745, ITB706, INN365

Credit Points
12

Campus
Gardens Point

Teaching Periods
2014 SEM-2 (INT)

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.

INB370 Software Development

Pre-requisites
INB270 or ITB003

Credit Points
12

Campus
Gardens Point

Teaching Periods
2014 SEM-1 (INT)

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.

INB371 Data Structures and Algorithms

Pre-requisites
INB270 or ITB003

Anti-requisites
ITB711, ITB702, INN371

Credit Points
12

Campus
Gardens Point

Teaching Periods
2014 SEM-1 (INT)

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.

INB372 Agile Software Development

Pre-requisites
INB370

Anti-requisites
INN372, ITB612, ITB712

Credit Points
12

Campus
Gardens Point

Teaching Periods
2014 SEM-2 (INT)

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.

INB373 Web Application Development

Pre-requisites
INB270 or ITB003 or INB271 or ITB007

Anti-requisites
INN373

Equivalents
ITB716, ITN716

Credit Points
12
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.

**INB374 Enterprise Software Architecture**

- **Pre-requisites**: INB270 or ITB003 or CAB201
- **Equivalents**: ITB717
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

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.

**INB375 Parallel Computing**

- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

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.

**INB379 Game Project Design**

- **Pre-requisites**: Completion of 144 credit points of study
- **Anti-requisites**: ITB009
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**INB380 Games Project**

- **Pre-requisites**: INB379 or INB305
- **Anti-requisites**: ITB020
- **Credit Points**: 24
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**INB381 Modelling and Animation Techniques**

- **Pre-requisites**: INB371 and MAB281
- **Equivalents**: ITB746
- **Credit Points**: 12
- **Campus**: null

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 the increasing power of 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.

**INB382 Real Time Rendering Techniques**

- **Pre-requisites**: INB371 and MAB281
- **Anti-requisites**: ITB648 and ITB649
- **Equivalents**: ITB747
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**INB383 AI for Games**

- **Pre-requisites**: INB371 or MAB281
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

The aim of this unit is to provide students with an intermediate to advanced level course in computer game AI, involving computational approaches to solving a wide range of problems in the interactive entertainment and game industries.

**INB385 Multimedia Systems**

- **Pre-requisites**: ITB103 or ITB002
- **Anti-requisites**: ITB257
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

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 representation and production of meaning through interactive visual representation.

**INB386 Advanced Multimedia Systems**

- **Pre-requisites**: INB385 (Special considerations may apply)
- **Equivalents**: ITB259, ITN259
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

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.

**INB860 Computational Intelligence for Control and Embedded Systems**

- **Equivalents**: ITB847
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

This is a specialisation unit in the field of Information technologies 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.

**IND102 Emerging Technology**

- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 13TP2 (INT)

There is an enormous spectrum of Information Technologies currently being used and the number of tools continues to grow. Professionals require a good understanding of exactly what these technologies are and what drives the development of new technologies as this knowledge provides a strong foundation for anticipating future technological trends. While the underlying principles of computation and communication have largely remained unchanged, increases in the speed of computation and information transmission continue to dramatically...
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 protocols. 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. This unit aims to give students the opportunity to construct small IT systems and to expose you to a wide variety of aspects of system development.

### INN180 Computer Games Studies

- **Anti-requisites**: INB180, ITB750
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

### INN181 Introduction to Games Production

- **Anti-requisites**: INB181, ITB751, ITN751
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

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.

INN210 Databases

Anti-requisites: INB210
Equivalents: ITN200
Credit Points: 12
Campus: null

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.

INN220 Business Analysis

Anti-requisites: INB220
Equivalents: ITB222, ITB365, ITN222, ITN365
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

This unit is designed 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).

INN221 Technology Management

Anti-requisites: ITN241, ITN251, ITN366, INB221
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

INN222 Enterprise Architecture

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

Enterprise Architecture is the means by which companies align business practice and IT. It typically includes information such as the organisational structures and functions of a company, business services, processes, and data objects, and the IT landscape by way of software applications, platforms and infrastructure. These are captured through different modelling techniques and put in the different layers of the enterprise architecture. Through an enterprise architecture, a company can govern its IT existing solutions, and acquire or develop new IT solutions.

INN250 Foundations of Computer Science

Anti-requisites: INB250
Credit Points: 12
Campus: null

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.

INN251 Networks

Anti-requisites: INB251
Equivalents: ITN701
Credit Points: 12
Campus: null

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.

INN2271 The Web

Anti-requisites: INB227
Equivalents: ITN251
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

The aims of the unit are to provide you with knowledge of how the web is constructed, how it works and what it has to offer. Additionally, the unit aims to give you a general understanding and basic skills in developing web applications, including an appreciation of the variety of implementation technologies available. Through an understanding of the technologies that 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 and organisational 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 whether.

INN280 Fundamentals of Game Design

Anti-requisites: ITB016 and INB280
Equivalents: ITN016
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/.

### INN3282 Games Level Design

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This unit will provide you with theoretical and practical knowledge of game level 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.

### INN304 Special Topic 3

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<th>Pre-requisites</th>
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### INN311 Enterprise Systems

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### INN312 Enterprise Systems Applications

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The aim of this unit is to introduce business configuration aspects of a large Enterprise Systems (also referred to as ERP systems) application. The unit commences with an introduction to concepts of large system implementations, requirements gathering and analyses. The unit then teaches how to configure a large Enterprise Systems application (using SAP) for common business processes in an organization. The course also aims to provide hands-on experience of configuring a range of SAP modules. 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.

### INN313 Electronic Commerce Site Development

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### INN320 Business Process Modelling

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### INN321 Business Process Improvement

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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.

### INN322 Information Systems Consulting

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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.

### INN323 Business Process Automation

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The aim of this unit is to introduce you to modern-day topics underlying Business Process Management (BPM) such as service oriented architectures, business intelligence, business process automation, and workflow patterns. The unit will demonstrate how business processes modelled on the basis of well-known and established workflow patterns can seamlessly lead to sophisticated business-process-aware information systems. It will be shown how these information systems can exploit concepts from service-oriented architectures and from state-of-the-art BPM and business intelligence environments.

### INN324 Business Process Analytics

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This unit will introduce you to a number of state-of-the-art business process intelligence techniques that can be used at different stages of a business process life cycle. The unit will also discuss the design requirements for executable process models and strategies for business process improvement.

### INN326 Advanced Process Modelling

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This unit will allow you to familiarize with practical issues around the establishment and execution of a process modelling initiative within an enterprise. The unit will present a number of methods and approaches to cope with these issues and show their applicability via case studies.

### INN327 Business Process Management

| Credit Points  | 12 |
| Campus         | Gardens Point |
| Teaching Periods | 2014 SEM-2 (INT) |

This unit will provide an overview about all factors that impact the enterprise-wide deployment of Business Process Management (BPM). The unit will follow the six factors of a BPM maturity model and cover the impact of emerging technologies in the design and management of business processes.
The aim of this unit is to help you develop your knowledge, understand a formal specification tool (ERM/ORM) for modelling information systems unambiguously and to apply this formal technique to conceptualise information systems found in many real world application domains.

INN341 Software Development With Oracle

- **Pre-requisites**: INN210 or ITN200 or INN122 or ITB004
- **Anti-requisites**: INB341, ITB223
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

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.

INN342 Enterprise Data Mining

- **Pre-requisites**: INN210 or INN340 or INN122
- **Anti-requisites**: ITB239, INB342
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

This unit provides the opportunity for exploring new and emerging mobile and wireless technology including iPhone, Netbook, 3G, WiMax, and RFID. Students will critically review and understand how these devices and wireless technology can be used for current contexts such as government, business, education and social community. This unit will help you to acquire the skills and knowledge required to critically explore and utilise these devices and be inspired for the current and future opportunities in ICT usage trends.

INN343 Data Warehousing and Mining

- **Pre-requisites**: INN210
- **Anti-requisites**: INB343
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (INT)

This unit will help you to acquire the skills and knowledge required to critically explore and utilise applications within diverse contexts and organisations.
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.

**INN348 Mobile Application Development**

**Pre-requisites:** INN370 or INN371

- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

An understanding of the theoretical and practical concepts of networking 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.

**INN350 Internet Protocols and Services**

- **Anti-requisites:** INB350, ITB624, ITB629, ITB720, ITN 524, ITN529, ITN667
- **Equivalents:** ITN720
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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.

**INN352 Network Planning**

- **Anti-requisites:** INB352, ITN722, ITN551, ITB628, ITB551, ITB722, ENN523
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

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.

**INN353 Wireless and Mobile Networks**

- **Anti-requisites:** INB353, ENN624
- **Equivalents:** ITB723, ITN723
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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.

**INN354 Next Generation Internetworks**

- **Pre-requisites:** INN350 or INB350
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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. In this unit, you will learn to decompose a programming task. The principles to analyse problem and produce a modular solution to a software system. You will also develop an understanding of fundamental modern programming techniques and their use in providing medium-scale software solutions.
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.

**INN373 Web Application Development**

Pre-requisites: INN270 or ITN700 or INB270 or ITB003 or INN271 or INB271 or IFN501

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.

**INN382 Real Time Rendering Techniques**

Pre-requisites: MAB281

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.

**INN383 AI for Games**

Pre-requisites: INB383

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.

**INN385 Multimedia Systems**

Pre-requisites: INB385

This unit will examine the theory, techniques, and technologies associated with the specification, design, construction and testing of multimedia 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.
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.

INN404 Honours Dissertation 4
Credit Points: 12
Campus: null

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.

INN500 PRINCE2 (R) Project Management
Pre-requisites: Completion of 24 credit points of Postgraduate or International College Diploma units (INN% or QCD% or GSN%)

This unit seeks to develop your understanding of the key issues involved in developing and managing a contemporary and innovative collection. 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 collections to meet the specific needs of a community or client group. You will also develop a working knowledge of the skills and techniques essential for critically evaluating the resources and collections created. The unit further seeks to develop your oral and written communication skills, critical thinking and teamwork skills.

INN531 Collections Management

INN532 Information Literacy Education

INN533 Information Organisation

INN540 User Experience
INN605 Advanced Research 1  
Credit Points: 12  
Campus: null

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.

INN606 Advanced Research 2  
Credit Points: 12  
Campus: null

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.

INN607 Advanced Research 3  
Credit Points: 12  
Campus: null

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.

INN610 Case Studies in Business Process Management  
Pre-requisites: INN320 or INN321 with a grade of 6 and a GPA of at least 6  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-2 (INT)

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.

INN634 Professional Practice  
Equivalents: INN632-1, INN632-2, INN632-3, INN632-4, INN632-5, INN632-6, ITN280  
Credit Points: 12  
Campus: Gardens Point and External  
Teaching Periods: 2014 SEM-1 (EXT, INT)

This unit has been developed as an overarching unit in the IT43 Master of Information Technology (Library and Information Science) 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 technical skills and for the enhancement of existing problem solving skills necessary to be a successful network administrator or manager.

INN650 Advanced Network Management  
Pre-requisites: INN351 or INN51  
Equivalents: ITN771  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-1 (INT)

The aim of this unit is to provide you with an understanding of the advanced technical issues pertaining to the management of organisational networks of various sizes. You will use the Unix environment as the learning platform for attaining additional technical skills and for the enhancement of existing problem solving skills necessary to be a successful network administrator or manager.

INN651 Security Technologies  
Anti-requisites: ITB731, ITN731  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-2 (INT)

This unit further develops your information security and networking knowledge and skills. The unit focuses on developing your knowledge and abilities by applying it to penetration testing using open source and other commonly used security tools and applications. The unit will prepare you for a graduate position as a system administrator or information security professional.

INN652 Advanced Cryptology  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-1 (INT)

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.

INN6590 Minor Project 1  
Credit Points: 12  
Campus: null

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.

INN691 Minor Project 2  
Credit Points: 12  
Campus: null

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.

INN692 Minor Project 3  
Credit Points: 12  
Campus: null

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.

INN693 Project  
Credit Points: 24  
Campus: null

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.

INN694 Project  
Pre-requisites: INN694-1. INN694-1 may be studied in the same teaching period as INN694-2.  
Credit Points: 12  
Campus: null

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.

INN695 Major Project  
Credit Points: 48  
Campus: null

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.
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.

**INN696 Major Project 2**

**Pre-requisites**
INN696-1. INN696-1 may be studied in the same teaching period as INN696-2.

**Credit Points**
24

**Campus**
null

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.

**INN696 Major Project 1**

**Other requisites**
Students must complete INN696-2 to receive a grade for this unit

**Credit Points**
24

**Campus**
null

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.

**INN697 Project**

**Credit Points**
24

**Campus**
null

**INN702 Information Systems Research**

**Pre-requisites**
INN700

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit aims to expose Information Systems higher degree research students to a range of research philosophies, paradigms and methodologies, developing in students an awareness of their relative importance, thereby enabling improved access to these areas of research for the students and broadening their repertoire of skills. Each module introduces the area, also pointing to more in depth treatment of the topic for students who choose to go deeper in the area.

**INN703 Writing IS Research Articles**

**Pre-requisites**
INN701

**Credit Points**
12

**Campus**
null

As a research student in information systems, you are expected to contribute to the body of knowledge in this field by designing and conducting an original study and to publish your findings. In this unit, you are introduced to a variety of seminal research articles relevant to information systems research. The unit develops both broad and detailed understanding of different strands of information systems research, relevant research methods and theories associated with the strands of research, and different composition styles of information systems research articles. The goal of this unit is to further develop your research skills and learn how to write good research articles. The unit is taught in a seminar style where we critique articles, apply what we have learned to improve and extend our own research and publications, and work together to reach a deeper understanding of Information Systems research practice.

**INN704 Full Year Co-operative Education**

**Anti-requisites**
INB300

**Credit Points**
24

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**INS011 Co-operative Education 1**

**Anti-requisites**
INB300

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**INS012 Co-operative Education 2**

**Anti-requisites**
INB300

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**INS020 Professional Experience (Undergraduate)**

**Anti-requisites**
INB300

**Credit Points**
24

**Campus**
null

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
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/. CRICOS No.00213J

This issue of policing diversity is salient because of the nature of police work and the type of community engagement it entails. This unit will focus on a range of issues facing police and policing in relation to the growing diversity of Australia’s population. A significant component of this course will focus on the specific issues regarding the relationship between police and the indigenous communities. A look at the issues that arise when police interact with refugee and new migrant communities will also be a focus within this course.

INS040 Professional Experience (Postgraduate)
Credit Points: 12
Campus: null
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

IZN001 Principles and Practices of University Learning and Teaching
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

IZN002 Curriculum Design and Assessment in Contemporary Learning Environments
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

IZN003 Research and Career Planning and Development
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

IZN004 Scholarly Learning and Teaching Project
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

JSB170 Introduction to Criminology and Policing
Equivalents: JSB111, JSB011, JSB101
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (INT, EXT)
This unit will provide you with an introduction to the Criminology and Policing major before you make your choice. It will provide you with a foundation for understanding criminality 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.

JSB171 Justice and Society
Equivalents: JSB131, JSB111, JSB101
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (INT, EXT)
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.

JSB172 Professional Criminological Research Skills
Equivalents: JSB132, JSB012, JSB104
Credit Points: 12
Campus: null
Teaching Periods: 2014 SEM-1 (INT, EXT)
This unit teaches students about being competent and ethical criminal justice professionals. It introduces professional and academic skills, such as teamwork, professional communication, and writing to lay a successful foundation for academic achievement during the degree and for later professional achievement in the real world of criminal justice work.

JSB173 Understanding the Criminal Justice System
Equivalents: JSB135, JSB015, JSB202
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-2 (INT, EXT)
The criminal justice system is a key site for the maintenance of social order in society. In Australia the criminal justice system consists of three separate institutions and each is tasked with a specific role: the police are responsible for criminal investigations, the courts for adjudication and sentencing, corrections (eg prisons) for ‘correcting’ offenders.

JSB174 Forensic Psychology and the Law
Anti-requisites: PYB215
Equivalents: JSB136

JSB175 Social Ethics and the Justice System
Equivalents: JSB134
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (INT, EXT)
It is essential for those employed within the justice system to 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.

JSB176 Criminal Law in Context
Equivalents: JSB242, JSB024, JSB204
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-2 (INT, EXT)
Justice students work, or hope to work, as justice professionals in areas related to the Criminal Justice System or Human Rights. They need an understanding of fundamental principles of criminal law and of social justice issues related to criminal law. Laypeople may assume that the law is shaped by rational decisions aimed at reducing crime and punishing wrongdoing, when in fact a closer examination of the policy underpinnings, the substance of the law and the way in which it is applied demonstrates that such an analysis is overly simplistic. A deeper understanding of the forces that shape the law and the way the law’s application can distort its policy objectives is essential to those who wish to contribute to more effective laws and their administration.

JSB177 Policy, Governance and Justice
Equivalents: JSB081, JSB251, JSB271
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-2 (INT, EXT)
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.
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.

**JSB208 Gender Crime and the Criminal Justice System**

- **Pre-requisites:** 48cp of previous study
- **Equivalents:** JSB971
- **Credit Points:** 12
- **Teaching Periods:** 2014 SEM-1 (EXT, INT)

The Justice degree aims to produce 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 explores patterns in gendered 1) offending, 2) victimisation, 3) experiences with criminal justice systems.

**JSB209 Transnational Organised Crime and Terrorism**

- **Pre-requisites:** 96cp of previous study
- **Equivalents:** JSB977, JSB982
- **Credit Points:** 12
- **Teaching Periods:** 2014 SEM-1 (EXT)

The Justice degree aims to produce 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 examines the impact of Transnational Organised Crime (TOC) and Terrorism on international security, the socio-economic policies of sovereign nations and the global economy as a whole.

**JSB255 Eco Crime**

- **Pre-requisites:** 96cp of completed studies
- **Credit Points:** 12
- **Teaching Periods:** 2014 SEM-1 (EXT, INT)

Issues pertaining to the protection of the environment continue to capture centre stage in the development of both national and international policy. The balance between 'developing' and 'harming' the environment is often constructed in political and social discourses about trade, resources and rights. Illegal and harmful acts that damage and destroy the environment are crucial for understanding government policies of protection, precaution, and regulation. This unit prepares future professionals from a range of disciplines who will work in an environmental capacity, schooling them in particular in theories of green criminality and environmental harm.

**JSB264 Statistical Methods**

- **Pre-requisites:** 96cp of previous study
- **Credit Points:** 12
- **Teaching Periods:** 2014 SEM-2 (EXT, INT)

This unit introduces quantitative research methods for students of criminology, criminal justice and related fields. It provides hands-on skills in using statistical software common to governmental and academic work environments. The unit is designed for students with little or no prior mathematical background (beyond basic arithmetic).

**JSB265 Official Corruption**

- **Pre-requisites:** 48cp of previous study
- **Equivalents:** JSB258
- **Credit Points:** 12
- **Teaching Periods:** 2014 SEM-1 (EXT, INT)

Every nation in the world struggles to have their public officials act in the interest of their citizens. The study of Public Sector Ethics covers the types of actions and the methods of enforcement required to bring about performance in the public interest. This unit will introduce you in detail to the most important issues of public sector ethics both in Queensland and the world. As most of you will end up working for government, it is essential that you not only understand these concepts but put them into practice.

**JSB270 Global Justice and Human Security**

- **Pre-requisites:** 96cp of previous study
- **Equivalents:** JSB260
- **Credit Points:** 12
- **Teaching Periods:** null

This unit offers students an advanced education about crimes against human rights in a global context with a focus on crimes in conflict zones, crimes involved in the movement and migration of people, and crimes committed by the state (with case studies including human trafficking, genocide, torture and the use of child soldiers). The unit also introduces students to the theory of human security, in which individuals, rather than nation states, are the primary focus of efforts to protect against threats to national security and international stability. Domestic and international efforts to prevent and punish human rights violations will also be explored during this unit through an analysis of international cooperation and justice. This unit is essential learning for students planning a career in the Department of Defence, Department of Foreign Affairs and Trade, the Australian Federal Police, AusAid, the United Nations and numerous other Australian and international agencies.
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’.

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. Students considering further study in the Bachelor of Justice (Honours) are required to undertake this unit for entry to the program.


**JSB272 Theories of Crime**

**Pre-requisites**
96cp of previous study

**Anti-requisites**
JSN113

**Equivalents**
JSB231, JSB018

**Credit Points**
12

**Campus**
Gardens Point and External

**Teaching Periods**
2014 SEM-2 (INT, EXT)


**JSB277 Independent Study**

**Pre-requisites**
96cp of previous study, minimum GPA of 5 and requires academic approval

**Equivalents**
JSB976

**Other requisites**
96cp of previous study, minimum GPA of 5 and requires academic approval

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-2 (INT)

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. Students considering further study in the Bachelor of Justice (Honours) are required to undertake this unit for entry to the program.

This unit is concerned with the diverse roles, duties, powers and problems of policing in Australia. These issues are explored through a number of different themes across the semester.


**JSB278 Drugs and Crime**

**Pre-requisites**
96cp of previous study

**Equivalents**
JSB378

**Credit Points**
12

**Campus**
null

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.

**JSB284 Policing in Context**

**Pre-requisites**
96cp of previous study

**Equivalents**
JSB274

**Credit Points**
12

**Campus**
Gardens Point and External

**Teaching Periods**
2014 SEM-1 (EXT, INT)

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 organisations 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.

This unit provides students with knowledge and skills for working in the contemporary juvenile justice system, including knowledge about the history, how the system works, legislation, and the media and political context of juvenile justice. It questions ideas about young people as a ‘youth crime problem’ and challenges students to engage critically with youth crime in terms of social justice.

**JSB305 Professional Placement**

**Pre-requisites**
144cp of previous study, minimum GPA of 5 and academic approval

**Equivalents**
JSB976

**Other requisites**
144cp of previous study, minimum GPA of 5 and academic approval

**Credit Points**
12

**Campus**
Gardens Point

**Teaching Periods**
2014 SEM-2 (INT)

This unit is a professional placement where students can intern at a relevant organisation.

**JSB367 Intelligence and Security**

**Pre-requisites**
144cp of previous study

**Equivalents**
JSB377

**Credit Points**
12

**Campus**
null

Policing is increasingly taking a leading role in investigations with analysts setting a direction for criminal investigation teams. This unit exposes you to the essentials of the intelligence system, the intelligence process and creative problem solving skills. Intelligence professionals are also concerned with support to government, the private sector and the community. Intelligence offers an advantage through the provision of accurate and timely advice. Intelligence requires proficiency in thinking strategies and skills, interpersonal effectiveness skills, teamwork and application of intelligence process methodologies in a variety of cultural contexts.

**JSB372 Youth Justice**

**Pre-requisites**
144cp of previous study

**Equivalents**
JSB232, JSB041

**Credit Points**
12

**Campus**
Gardens Point and External

**Teaching Periods**
2014 SEM-2 (INT, EXT)

This unit provides students with knowledge and skills for working in the contemporary juvenile justice system, including knowledge about the history, how the system works, legislation, and the media and political context of juvenile justice. It questions ideas about young people as a ‘youth crime problem’ and challenges students to engage critically with youth crime in terms of social justice.

**JSB379 Political Practice**

**Pre-requisites**
96cp of previous study

**Credit Points**
12

**Campus**
Gardens Point and External

**Teaching Periods**
2014 SEM-2 (EXT, INT)

This unit will equip students with a thorough understanding of political processes and practices. Students will examine the roles and functions of political parties, public service staff, non-government organisations and the media, while developing practical skills required in the political world.
The investigation of death in modern society is a well-regulated system orchestrated through the coronial system with identification of suspicious deaths undertaken by the criminal justice system. This death investigation model involves legal, medical and criminal justice personnel in order to establish both the medical cause and legal circumstance of death. The information gathered in this way is also used to inform government policy on issues such as suicide and the protection of key assets and critical infrastructure.

Critical Policy Analysis provides you with the essential academic and vocational tools that will allow you to critically analyse justice-related policies. You will have the opportunity to examine a number of policies in an in-depth manner using a range of vocational tools and critical frameworks. The ability to provide timely, high quality, critical analyses of justice-related policies is an essential capability of reflective and ethical justice professionals. As such, this unit offers an essential aspect in one’s professional development as a justice professional.

In the context of the ongoing over-representation of Aboriginal peoples in the criminal justice system, it is essential that those who work in the justice, secondary and tertiary education sectors, have an understanding of contemporary Indigenous 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 criminal justice system. The operation of the criminal justice system in the various Australian jurisdictions have, 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 criminal justice system and seeks to raise awareness of those factors which inhibit the formulation of sound policy and practice.

The aims of this unit are three fold. First to introduce students to the techniques of project management relevant to the creation of a research project in their nominated field of research. Second to guide students in the development of a research question and hypothesis. Third to assist students understanding of the process of academic research.

The discipline of criminology draws together a range of disciplines where some of its most poignant work emanates from scholars who do not identify themselves as ‘criminologists’ as such, e.g. Michel Foucault. Considering the overlap between criminology and other social science disciplines, this unit takes an historical view of the discipline and examines some of its seminal authors and key texts.

Good research is characterised by establishing the parameters through which the research should operate and develop. A good research project is also marked by the development of an effective literature review of relevant literature in the chosen field. In this unit students will source and become acquainted with a bibliography of specialised literature relevant to the nominated field of research and begin to articulate the phases of the research project.

The content of this unit is based on an assumption that students have a basic knowledge of research methodologies, including an understanding of qualitative and quantitative research paradigms. This unit will build on that knowledge and provide students with an understanding of the techniques that can be used to collect and analyse both quantitative and qualitative data.

In the thesis you have the opportunity to conduct a major research project where you will identify and articulate a research problem, establish a research design, collect and analyse data, and report on the research findings. The research dissertation culminates the research training you have received through the Honours coursework, and is a salient feature of your Honours degree.

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This unit will provide students with a general understanding of security risk management methodologies, to include the various aspects of risk and the protection of key assets and critical infrastructure within the context of a vulnerability assessment. The students will explore selected security risk management formulae and compile a security / vulnerability (risk) assessment within the context of a nominated asset or component of critical infrastructure. The students will also be to development a countermeasures table in response to the risks and threats identified in the major project.

In the thesis you have the opportunity to conduct a major research project where you will identify and articulate a research problem, establish a research design, collect and analyse data, and report on the research findings. The research dissertation culminates the research training you have received through the Honours coursework, and is a salient feature of your Honours degree.
Students will also be exposed to various methods used to convey the findings of their assessment to a prospective client organisation.

**JSN147 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.

**JSN165 Policy, Governance and Justice**

This foundational course is designed to develop the skills required for research and policy positions in government agencies. This unit will enhance the key vocational skills required for working in any government agency. All government agencies require similar writing, communication and consultation skills for developing policy. This unit will enhance knowledge on the policy cycle and the wider policy issues associated in government and social justice environments.

**JSN166 Justice Institutions**

An understanding of Australian government institutions is critical for students who wish to work effectively in or alongside the public sector. This unit will provide you with advanced knowledge of government institutions at all levels of Australian Government, as well as the related ethical obligations of public officials in such institutions.

**JSN167 Public Sector Skills, Methods and Ethics**

This subject builds knowledge of public sector ethics obligations and is intended to provide knowledge and skills in research design, methodology and evaluation for use in public policy development and evaluation. The unit has a number of objectives. Firstly, to visit issues central to the research and evaluation process. Secondly, to introduce you to a variety of research and evaluation design models, data collection techniques and data analyses. Thirdly, to equip you with the practical skills to write a research and evaluation proposal, carry out a research and evaluation project, report the research results and conduct policy evaluation. The unit also seeks to build knowledge of theories and types of corruption, the psychology and sociology of ethical judgment, along with an advanced understanding of public sector ethics.

**JSN168 Critical Policy Skills**

There are a number of critical policy skills required of the professional contemporary policy officer. This unit aims to develop, enhance and consolidate the skills of students to enable them to undertake sophisticated and effective policy work, both in the public and the private sector. This capstone unit will develop students’ critical policy analysis skills, build the knowledge and capacity to engage effectively with stakeholders and the ability to effectively design and oversee policy.

**JSN171 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 the practice the content knowledge you have acquired in the course of your post graduate study.

**JSN172 Applied Data Analysis Techniques for Criminology and Criminal Justice**

The content of this unit is based on an assumption that students have a basic knowledge of research methodologies, including an understanding of qualitative and quantitative research paradigms. This unit will build on that knowledge and provide students with an understanding of the techniques that can be used to collect and analyse both quantitative and qualitative data.

**JSN173 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 can be seen embedded governmental practices aimed at ensuring the regulation and control of particular ‘problem populations’.

**JSN176 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.

**JSN177 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 the practice the content knowledge you have acquired in the course of your post graduate study.

**JSN178 National Security and Intelligence Practice 1**

Intelligence professionals can be ‘generalists’ with a broad base of skills applicable to a range of intelligence environments or ‘specialists’ working in narrow areas of responsibility, such as technical analysts or translators. Intelligence work requires proficiency in thinking strategies and skills, effective interpersonal skills, teamwork, and application of intelligence process methodologies. This unit presents the essentials of the intelligence system, the intelligence process, creative problem solving skills, and an introduction to writing in an intelligence environment.

**JSN179 Intelligence Practice 2**

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.
Students undertake a study of an issue as the culmination of their advanced Masters program. The dissertation must have a well-developed conceptual foundation and include a primary research component.

JSN190 Research Thesis

| Equivalents | JSN120 |
| Credit Points | 12 |
| Campus | null |

Students undertake a study of an issue as the culmination of their advanced Masters program. The dissertation must have a well-developed conceptual foundation and include a primary research component.

JSN191 Research Thesis

| Equivalents | JSN121 |
| Credit Points | 12 |
| Campus | null |

Students undertake a study of an issue as the culmination of their advanced Masters program. The dissertation must have a well-developed conceptual foundation and include a primary research component.

JSN192 Research Thesis

| Equivalents | JSN122 |
| Credit Points | 12 |
| Campus | null |

Students undertake a study of an issue as the culmination of their advanced Masters program. The dissertation must have a well-developed conceptual foundation and include a primary research component.

JSN193 Research Thesis

| Equivalents | JSN123 |
| Credit Points | 12 |
| Campus | null |

Students undertake a study of an issue as the culmination of their advanced Masters program. The dissertation must have a well-developed conceptual foundation and include a primary research component.

JSZ901 Transnational Organised Crime and Terrorism

| Credit Points | 12 |
| Campus | Temasek Polytechnic Singapore |
| Teaching Periods | 2014 SEM-1 (EXT) |

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.

JSZ902 Criminal and Terrorism Profiling

| Credit Points | 12 |
| Campus | Temasek Polytechnic Singapore |
| Teaching Periods | 2014 SEM-2 (INT) |

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.

JSZ903 Investigative Thinking and Knowledge Management

| Credit Points | 12 |
| Campus | Temasek Polytechnic Singapore |
| Teaching Periods | 2014 SUM (INT) |

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.

JSZ904 Justice Research Methodologies

| Credit Points | 12 |
| Campus | Temasek Polytechnic Singapore |
| Teaching Periods | 2014 SUM (INT) |

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.

JSZ905 Asian Economic Crime Trends

| Credit Points | 12 |
| Campus | Temasek Polytechnic Singapore |
| Teaching Periods | 2014 SEM-1 (INT) |

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.

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.

KAP401 Advertising Creative: Introduction

| Equivalents | KIP424 |
| Credit Points | 12 |
| Campus | null |

This unit focusses on the creative side of advertising, involving the analysis of creative advertising content, the development of creative concepts and creative strategies and the crafting of persuasive messages and ideas for creative campaigns.

KAP402 Advertising Creative: Copywriting and Art Direction

| Pre-requisites | KAP401. KAP401 can be enrolled in the same teaching period. |
| Equivalents | KIP426 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-1 (INT); 2014 SEM-2 (INT) |

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.

KAP403 Advertising Creative: Trends in New Media

| Equivalents | KIP429 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-1 (INT); 2014 SEM-2 (INT) |

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 media markets.

**KCB101 Media and Communication Texts**

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<td>Teaching Periods</td>
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</table>

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.

**KCB102 Media Mythbusting**

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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.

**KCB103 Strategic Speech Communication**

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</table>

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.

**KCB104 Media and Communication: Industries**

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</table>

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.

**KCB105 Inquiry in Media and Communication**

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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.

**KCB106 Media in a Globalised World**

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</table>

Media organisations in Australia operate in a global context. Australian media content represents an important export for the country’s economy, while Australian audiences consume large quantities of content produced overseas, or adapted from formats originated in other media markets. There is great value, therefore, in students of journalism, media and communication learning how the global media market functions, and the implications of cultural globalisation for professional practice. This foundation unit will introduce you to the global nature of media production, and to your role as a future practitioner in a globalised media system.

**KCB110 Introduction to Mass Communication**

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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.

**KCB203 Consumption Matters: Consumer Cultures and Identity**

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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 are acquired when undertaking audience research. A knowledge and ability to research consumer cultures is crucial to those working in the Creative Industries: it is crucial to understand the ways in which consumption actually 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.
audience research are important skills for undertaking both postgraduate research in Media & Communication and those seeking employment in media industries.

KCB302 Political Communication

This unit provides an overview of the theory and professional practices of political and governmental communication, especially through the media and communications industries. The unit examines contemporary and historical political issues and communications in Australia and internationally from the perspectives of democratic theory, media influence, strategic image and issue management, and popular culture.

KCB303 Brisbane Media Map 1

This unit allows final year Media and Communication students the opportunity to work on the Brisbane Media Map - an online resource for media and communication organisations based in Brisbane. Students involved in this project will work in teams to collectively update the map, and learn basic project management strategies.

KCB305 Brisbane Media Map 2

Networks of industry and professional associations are extremely important in media and communication industries. In this unit you will extend, apply and deepen 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.

KCB307 Making Media Connections 1

Issues surrounding 'The Media' are a common source of interest for the media itself, and too the general public. Media and communication students should be well-positioned to make an informed contribution to these debates, but often lack the ability to communicate with a general audience. This unit will therefore assist students in this regard, helping them to become a visible part of the public discourse.

KCB308 Making Media Connections 2

Issues surrounding 'The Media' are a common source of interest for the media itself, and too the general public. Media and communication students should be well-positioned to make an informed contribution to these debates, but often lack the ability to communicate with a general audience. This unit will therefore assist students in this regard, helping them to become a visible part of the public discourse.

KCB310 Contemporary Investigation in Journalism, Media and Communication

Research skills are an important element of graduate capabilities, applicable to scholarly work at Honours and higher degree level, and also to professional practice. This unit makes available at the Bachelor level the internationally recognised expertise of world-leading research active staff within the creative industries faculty. It will enable you to explore the possibilities of academic research, design a project, and acquire data gathering, analysis and presentation skills of value to subsequent study and employment.

KCD103 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, with a self-awareness that allows for self-critique and continued growth.

KCP407 Applied Professional Communication

This unit introduces students to foundational ideas in 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.

**KCZ102 Media and Society: From Printing Press to Internet**

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<th>Equivalents</th>
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<td>Campus</td>
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</table>

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.

**KCZ103 Strategic Speech Communication**

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</table>

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 the impact of convergence and globalisation. Students 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.

**KCZ104 Introduction to Media and Communication Industries**

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<th>Equivalents</th>
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<td>Teaching Periods</td>
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</table>

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 and issues. The unit will involve qualitative and quantitative research methods including context analysis, focus groups, ethnography, interviews and survey research. Students will evaluate, design and carry out research using some of these methods.

**KCZ203 Consumer Cultures**

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<tr>
<th>Equivalents</th>
<th>KCB203</th>
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<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Campus</td>
<td>Chinese University of HongKong</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 6TP2 (INT)</td>
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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.

**KCZ205 Professional Communication**

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<th>Equivalents</th>
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<td>Credit Points</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 12TP1 (INT)</td>
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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 and reporting, formal document production, 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.

**KCZ206 New Media: Applications and Identities**

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<tr>
<th>Equivalents</th>
<th>KCB201, KCB295</th>
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<td>Credit Points</td>
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<td>Teaching Periods</td>
<td>2014 6TP2 (INT)</td>
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</table>

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.

**KCZ301 Media Audiences**

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<tr>
<th>Equivalents</th>
<th>KCB301, KCB349</th>
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<tbody>
<tr>
<td>Credit Points</td>
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<tr>
<td>Campus</td>
<td>Chinese University of HongKong</td>
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</table>

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.

**KCZ302 Political Communication**

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<th>Equivalents</th>
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<td>Credit Points</td>
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<td>Campus</td>
<td>Chinese University of HongKong</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 6TP6 (INT)</td>
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</table>

This unit provides an overview of the theory and professional practices of political communication. It examines contemporary and historical political campaigns in a number of countries, including Hong Kong, the United States, the United Kingdom and Australia, from the perspectives of theories of media influence, strategic image and issue management, and the democratic role of media. It also considers how media advisors manage political communication, and how professional consultants plan and develop political campaigns.

**KCZ303 Hong Kong Media Map**

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<th>Equivalents</th>
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<td>Credit Points</td>
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<td>Campus</td>
<td>Chinese University of HongKong</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 12TP2 (INT)</td>
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</tbody>
</table>

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.

**KDB101 Performance 1**

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<thead>
<tr>
<th>Pre-requisites</th>
<th>KDB103 (can be enrolled in the same teaching period)</th>
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<tbody>
<tr>
<td>Equivalents</td>
<td>KDX111</td>
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<tr>
<td>Credit Points</td>
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<tr>
<td>Campus</td>
<td>Kelvin Grove</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
</tr>
</tbody>
</table>

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.
KDB102 Performance 2

Pre-requisites: (KDB101 or KDX111) and KDB104 (can be enrolled in the same teaching period)

Equivalents: KDX112

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

This unit introduces crafting skills and choreographic devices used in process of making dance work. It includes the presentation of group work.

KDB108 World Dance

Equivalents: KDB172

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

This unit includes exposure to a range of culturally specific dance styles through practical workshops and theoretical studies which provide contextual background to the styles taught.

KDB109 Funk, Tap and all that Jazz

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

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.

KDB110 Deconstructing Dance in History

Equivalents: KDB125

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

This unit includes a study of various international historical and contemporary contexts of dance as art. It focuses on romanticism, classicism, modernism and postmodernism.

KDB111 Performance in Context 1

Equivalents: KDB101, KDX111

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

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.

KDB120 Dance Practice 1

Equivalents: KDB103, KDB180

Other requisites: Evidence of physical condition to undertake the unit is required. Students not in KDB44(Dance) are required to pass an audition

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

This studio-based unit consists of a creative process through rehearsal directors and teaching staff leading to a studio and public performance.

KDB103 Dance Technique Studies 1

Equivalents: KDB180

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

This unit involves practical dance classes as on-going action research.

KDB104 Dance Technique Studies 2

Pre-requisites: KDB103 or KDB180

Equivalents: KDB181

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

This unit involves practical dance classes as on-going action research.

KDB105 Architecture of the Body

Equivalents: KDX104

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

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.

KDB106 Dance Analysis

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

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.

KDB107 Choreographic Studies 1

Equivalents: KDX143

Credit Points: 12

Campus: Kelvin Grove

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 contexts.

KDB125 or KDB126

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

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 contexts.

KDB114

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

This unit includes a study of historical and contemporary contexts of dance as art. It focuses on romanticism, classicism, modernism and postmodernism.

KDB115 Performance in Context 2

Equivalents: KDB101, KDX111

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

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.

KDB120 Dance Practice 1

Equivalents: KDB103, KDB180

Other requisites: Evidence of physical condition to undertake the unit is required. Students not in KDB44(Dance) are required to pass an audition

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

This studio-based unit consists of a creative process through rehearsal directors and teaching staff leading to a studio and public performance.

KDB103 Dance Technique Studies 1

Equivalents: KDB180

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

This unit involves practical dance classes as on-going action research.

KDB104 Dance Technique Studies 2

Pre-requisites: KDB103 or KDB180

Equivalents: KDB181

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

This unit involves practical dance classes as on-going action research.

KDB105 Architecture of the Body

Equivalents: KDX104

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

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.

KDB106 Dance Analysis

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

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.

KDB107 Choreographic Studies 1

Equivalents: KDX143

Credit Points: 12

Campus: Kelvin Grove

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 contexts.
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.

This unit provides an introduction to practical skills development in acting, dance and singing for music theatre.

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As a third unit in a suite of Dance Practice units, you will continue to develop skills in learning and reflective practice to enable you to become an effective self-directed practitioner. You will also investigate approaches in assisting others to learn.

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.

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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.
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.

KDB307 Dance Project 2
Pre-requisites
KDB306 and KDB311. KDB311 can be studied in the same teaching period as KDB307
Equivalents KDB302, KDB199
Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-2 (INT)

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.

KDB310 Professional Dance Training 1
Pre-requisites KDB212 or KDBX142
Equivalents KDB301, KDB193
Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-1 (INT)

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.

KDB311 Professional Dance Training 2
Pre-requisites KDB310
Equivalents KDB301, KDB193
Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-2 (INT)

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. Assessment associated with this unit aims to recreate a real life Audition experience through unseen practical examinations

KDB301, KDB193

KFB102 Design Studio 2
Pre-requisites KFB101 or KFB401
Equivalents KFB402
Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-2 (INT)

This unit aims to build on skills acquired in KFB101.

KFB103 Introduction to the Industry of Fashion
Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-1 (INT)

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.

KFB104 Sustainability: The Materiality of Fashion
Equivalents KFB407-2, KFB104-2
Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-2 (INT)

In the context of global environmental and social challenges, knowledge of sustainable materials, skills and processes for the garment and textile industries is essential for fashion students. This unit provides you with a foundational knowledge of the environmental and ethical issues surrounding fashion production and consumption, as well as innovative approaches in design and business to address these issues.

KFB107 Drawing for Fashion
Equivalents KVB107, KVB107-2, KVB757-2
Credit Points 12
Campus Caboolture and Kelvin Grove
Teaching Periods 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit concentrates on developing core skills and knowledge of drawing to provide an important guide to understanding changes in fashion and style in especially in regards to issues of gender and class.

KFB108 Unspeakable Beauty 1: A History of Dress and Fashion
Equivalents KFB106
Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-1 (INT)

Unspeakable Beauty One introduces you to the history of western fashion from the 14th century up until the mid-19th Century. You will be provided with a guide to understanding changes in fashion and style in especially in regards to issues of gender and class. This knowledge will assist you in understanding the pivotal role that fashion has played throughout history in defining social and cultural identity. This unit is the first of the suite of Fashion Studies Units offered by
the fashion discipline and will provide you with an introduction to the key concepts essential to the study of the history and theory of fashion.

**KFB109 Unspeakable Beauty 2: Fashion and Modernity**

| Equivalents | KFB206, KFB105, KFB408 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-2 (INT) |

Unspeakable Beauty 2 introduces you to the history of western fashion from the mid nineteenth century up until the mid twentieth century. You will be provided with a guide to understanding changes in fashion and style especially in regard to theories of modern consumption and production. This unit is the second in the suite of Fashion Studies Units offered by the Fashion Discipline and will provide you with an introduction to key concepts essential in the study of the history of contemporary fashion.

**KFB110 Textiles 1**

| Credit Points | 12 |
| Campus | null |

| Textiles 2 |
| Pre-requisites | KFB110 or XNB194 or PUB321 |
| Equivalents | XNB194, PUB361 |
| Credit Points | 12 |
| Campus | null |

| Textiles 2 |
| Pre-requisites | KFB110 or XNB194 or PUB321 |
| Equivalents | XNB194, PUB361 |
| Credit Points | 12 |
| Campus | null |

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.

**KFB200 Design Studio 3**

| Pre-requisites | KFB102 |
| Equivalents | KFB201, KFB403 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-1 (INT) |

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.

**KFB207 Contemporary Fashion**

| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-2 (INT) |

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.

**KFB209 Ragtrade: The Business of Fashion**

| Pre-requisites | KFB103 |
| Equivalents | KFB201 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-1 (INT) |

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.

**KFB210 Fashion and Costume in Film**

| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-1 (INT) |

This unit studies the relationship between fashion and its dissemination through visual culture. Magazines, film, photography, television and new media have been fundamental to the dissemination of fashion information, the construction of star and femininity, and to the development of the fashion industry. This unit examines two creative media, film and the internet. It examines how historically the cross-pollination between the Hollywood Studios, the cosmetic and the clothing industries first, and, more recently, contemporary blogs and internet images have contributed to the formation of discourses of consumer fashion and feminine aesthetic. By examining internet blogs and images, the unit also studies how fashion media have expanded exponentially, with the advent of the stylist, the pr and the dissemination of fashion images as new global phenomena.

**KFB211 Product Design and Development in the Fashion Industry**

| Pre-requisites | KFB103 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-1 (INT) |

While many would see the role of the designer as an integral part of any fashion brand, many of the largest fashion businesses in the industry are built on a process of product development instead of traditional ideas of design. Rather than working from a blank canvas, the product developer creatively evolves unique and commercial garments from existing ideas and samples to create designs that are both profitable and easy to outsource for manufacture. Product development requires diverse skills and knowledge in trend analysis, range building, textile selection and sourcing, garment finishing, specification sheets, global operations, marketing, and business to ensure successful project outcomes. By developing a foundation of knowledge in product development this unit aims to prepare students for work in commercial fashion or to assist them with the skills for creating their own product developed fashion brand.

**KFB301 Design Studio 5**

| Pre-requisites | KFB202 or KFB404 |
| Equivalents | KFB405 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-1 (INT) |

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.

**KFB302 Design Studio 6**

| Pre-requisites | KFB301 or KFB405 |
| Equivalents | KFB406 |
| Credit Points | 24 |
| Campus | Kelvin Grove |
| Teaching Periods | 2014 SEM-2 (INT) |

This unit is the capstone Design Studio experience 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.

**KFB303 Fashioning Futures**

| Pre-requisites | KFB412 |
| Credit Points | 12 |
| Campus | Kelvin Grove |
### KIB305 Critical Fashion Studies

**Pre-requisites:** Completion of 48cp of Fashion discipline units (KIB's units)

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-2 (INT)

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.

### KIB103 Introduction to Web Design and Development

**Anti-requisites:** INB271, KIP403

**Equivalents:** KIB807, KKB007, KKB818

**Credit Points:** 12

**Campus:** Gardens Point

**Teaching Periods:** 2014 SEM-1 (INT)

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.

### KIB109 Design for Interactive Media

**Pre-requisites:** KIB101 or KIB103 or KIB801 or KIB807 or KKB007 or KKB818 or KIP401 or KIB201 or KIB202

**Equivalents:** KIB214, KIB210

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

### KIB120 Graphic Design

**Pre-requisites:** KIB101 or KIB801 or KIP401

**Anti-requisites:** KVP401

**Equivalents:** KVB204

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-2 (INT)

An ability to create and promote attractive and effective messages is the aim of graphic design. In this unit, you will build upon the knowledge and skills you have gained in visual communication to consolidate an advanced understanding of how graphic design works in our contemporary society. This unit is focused on the design process and projects (publications, corporate identity, digital media and advertising), with an emphasis on image creation and production to visually communicate myriad concepts.

### KIB201 Concept Development for Game Design and Interactive Media

**Equivalents:** KIB816

**Credit Points:** 12

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 a previous computer skills in interface design that will be required to design effective interactive media, which you will apply in future studies in Interactive and Visual Design.
programming experience. These skills are developed and applied to the development of art and design outcomes in a studio setting.

**KIB207 Theories of Visual Communication**

**Pre-requisites** KIB120 or KVB204 and completion of 96cp of study

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-2 (INT)

This unit aims to build on your understanding of the principles of visual communication and its role in determining the values of our contemporary cultures and societies. Through theory and discussions you will critique and analyse images and visual designs applied to multiple contexts.

**KIB216 Advanced Web Design**

**Pre-requisites** KIB204 or KIB230

**Equivalents** KIB211, KIB817

**Credit Points** 12

**Campus** Kelvin Grove

**Teaching Periods** 2014 SEM-2 (INT)

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.

**KIB231 Typography and Illustration**

**Pre-requisites** KIB120 or KVB204

**Equivalents** KIB335

**Credit Points** 12

**Campus** Kelvin Grove

**Teaching Periods** 2014 SEM-1 (INT)

There are many design principles and elements to consider in the creation of an effective visual message. The elements of typography and illustration share a complementary relationship where type can be image and image can be type. Through this unit you will review aspects of typography history and roles of illustration, and will experiment with illustration, image production, typographic design and composition.

**KIB309 Embodied Interactions**

**Pre-requisites** KIB216 or KIB205 or INB385

**Equivalents** KIB311

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT)

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 and support the development of embodied media outcomes within design studios.

**KIB314 Tangible Media**

**Pre-requisites** KIB309

**Equivalents** KIB311

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-2 (INT)

This unit extends the understandings of tangible media interfaces and applications gained in the embodied interactions unit. In this unit students will develop a tangible media project from concept through to design, production and evaluation. 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.

**KIB315 Contemporary Issues in Digital Media**

**Pre-requisites** Completion of 168cp of study KIB183

**Credit Points** 12

**Campus** Kelvin Grove

**Teaching Periods** 2014 SEM-1 (INT)

The ubiquitous uptake of new technologies in communication, social interaction, and expression has changed the way that we conceptualize interaction and visual 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, methodologies 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 readings.

**KIB322 Professional Practice for Designers**

**Pre-requisites** Completion of 168 credit points of study KIB806

**Credit Points** 12

**Campus** Kelvin Grove

**Teaching Periods** 2014 SEM-2 (INT)

This unit will enable you to outline a strategy for your future as a designer and present yourself as a design professional in public contexts. It is based on professional workshops and presentations that will cover collaborative and inclusive work practices. It is a capstone unit in the Interactive and Visual Design program.

**KIB338 Print Media**

**Pre-requisites** KIB120 or KVB204

**Anti-requisites** KCP361, KCP405

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-2 (INT)

This unit builds on the visual communication and graphic design units to develop specialist skills in design layout and the creative production integrated design experiences that include print and digital 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 print and digital publishing techniques. Theoretical understandings and technical skills will be developed through studio sessions and applied to the production of team-based, professional quality integrated projects.

**KIB340 Visual Information Design**

**Pre-requisites** KIB120 or KVB204

**Equivalents** KIB211

**Credit Points** 12

**Campus** Kelvin Grove

**Teaching Periods** 2014 SEM-1 (INT)

We encounter information design every day. It has become an essential aspect of contemporary communication. The field of information design has grown rapidly in the past decade and is now routinely employed across many fields where the visual display of complex data, events, and phenomena provide concise explanations, new insights and even discoveries. Information Design is used in many fields, including product information, way-finding, mapping, biology, transport, and journalism, interaction and interface design, and systems diagrams. The demand for visual communicators with expertise in information design continues to grow. In the interpretation and production of information design you will extend your understanding of visual design and communication principles to include principles for effective information design. This unit provides advanced knowledge and skills in visual information design, which will be applied in design outcomes for a range of contexts.

**KIP401 Critical Practices in Visual Design**

**Pre-requisites** KIB101, KIB801

**Credit Points** 12

**Campus** Kelvin Grove

**Teaching Periods** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**KIP402 Designing Interactions**

**Pre-requisites** KIB102, KIB802

**Credit Points** 12

**Campus** Kelvin Grove

**Teaching Periods** 2014 SEM-2 (INT)

This unit further develops interface design skills for
KIP403 User Experience Design

**Anti-requisites**
- KJB103, KJB607

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-1 (INT)

This unit provides an introduction to theories and skills required for applying the principles of electronic hypermedia technology with the Creative Industries, providing a foundation of conceptual and practical skills related to contemporary modes of electronic hypermedia production, communication and publishing.

KIP412 Advanced Practice in Interactive and Visual Design

**Pre-requisites**
- Admission into KK68MJR-INVISDN

**Interactive and Visual Design Major**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-1 (INT)

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.

KJB103 Media Design and Layout

**Equivalents**
- KCB304, KJB211

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-2 (INT)

Visual communication techniques are essential in capturing the attention of an increasingly visual literate society. Understanding how to design well is growing in importance in a society that is time poor and overloaded with competing sources of media. You will learn how to apply design theory in a variety of visual communication contexts relevant to the journalism, media and communication industries.

KJB104 Photожournalism

**Equivalents**
- KJP420, KJB202, KKP420

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-2 (INT)

Changing digital technologies have resulted in increased demands and expectations for journalism, media and communications professionals to have appropriate digital visual skills. They are increasingly expected to understand and apply digital visual principles and possess the ability to employ and include visual elements in their work such as photo-essays, and photожournalism projects. In this unit students will explore their fundamental digital photography proficiency and analyse styles of visual communication and the photographic medium.

KJB102 Introduction to Journalism, Media and Communication

**Equivalents**
- KCB110

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-1 (INT)

This unit introduces you to core concepts and key knowledge essential for subsequent study in Journalism, Media & Communication. It combines teaching about media organisations with communication theory and practitioner perspectives drawn from a range of relevant industry sectors. The unit creates a foundation on which you will build in subsequent semesters.

KJP242 Online Journalism 1

**Pre-requisites**
- KJB121 or KJP401

**Credit Points**
- 12

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.
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/

KJB280 International Journalism
Pre-requisites: KJB120 or KJP401
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This is an advanced reporting unit stressing the watchdog role of the news media using investigative reporting approaches. In order to inform present news features, the class will examine, in depth, two news issues that are central to the current news agenda. The unit is informed through a particular collection of research materials, that are provided as an introductory information only, and through lectures particular to both the mission of investigative reporting and the salient features of the topics selected. The lecture-tutorial sequence contains a series of intensive lectures and tutorials early in the semester. These are followed in the later weeks of semester with feedback loop general sessions for discussion on feature development.

KJB304 Sub-Editing
Pre-requisites: KJB120 or KJP401
Equivalents: KJB322
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This unit builds on units such as KJB120/KJB401, Newswriting and KJB103 (Media Design and Layout). It is aimed at teaching students how to prepare text for publication in the journalism industry, which is a highly sought skill for employment both within Australia and overseas, and to understand the job market for subeditors. Students will assess the text for news values, quality, adherence to style guides (generic and in-house), grammar, spelling, accuracy, legality (including defamation, contempt and sub-judice), ethics, sources and balance. Students will learn to write headlines, captions and similar types of types that accompany stories, and to subedit print media stories for reuse in new and social media. Students, individually and in small teams, will be given a range of copy-text from very poor to reasonable on a variety of topics and make the text which will be made publishable (i.e. production-ready) by them working with their tutor using the above processes.

KJB323 Online Journalism 2
Pre-requisites: KJB222
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

KJB336 Radio and Television Journalism 2
Pre-requisites: KJB235
Equivalents: KJB338
Credit Points: 24
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

KJB337 Investigative Reporting
Pre-requisites: KJB120
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

KJP404 Radio and Television Journalism 1
Pre-requisites: KJP401 or KJP120 or KJP402 or KJP121
Anti-requisites: KJB235
Equivalents: KJP232
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

KJP400 Theories of Journalism
Pre-requisites: KJP105
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This unit introduces students to major bodies of knowledge and research about journalists, their relationship with audiences, their professional routines and practices, the contexts they operate in, the products they create, and their impact on society. Students will undertake substantial reading and critical inquiry to develop a comprehensive understanding of a selected journalism theories, principles or processes.

KJP401 Newswriting
Pre-requisites: KJP120
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

KJP402 Journalistic Inquiry
Pre-requisites: KVP402
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

KJP403 Feature Writing
Pre-requisites: KJP224
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

In this unit you will conduct interviews and other

Research and development in the information and communication technology industries. You'll also learn about career building strategies in the creative industries.
KKB201 Teaching Primary Music, Visual Arts and Media

Credit Points: 12
Campus: Caboolture and Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

Through both practical and theoretical contexts, you are introduced to curriculum planning and teaching in primary Visual Arts, Music and Visual Arts using The Arts Years 1 to 10 Syllabus (Queensland Studies Authority, 2002).

KKB202 Teaching Primary Dance and Drama

Credit Points: 12
Campus: Caboolture and Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

Through both practical and theoretical contexts, you are introduced to curriculum planning and teaching in primary Dance and Drama using the Arts Essential learnings, (2008)

KKB345 Creative Industries Project 1

Pre-requisites: Completion of 72 credit points of Creative Industries units (K% or D% units)
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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 WIL Hub Blackboard site (log on to BB > Community Finder tab > Creative Industries Faculty > 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.

KKB346 Creative Industries Project 2

Pre-requisites: KKB345 (can be enrolled in the same teaching period)
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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 WIL Hub Blackboard site (log on to BB > Community Finder tab > Creative Industries Faculty > CI_Transitions). This unit can extend upon work undertaken in KKB345 (CI Project 1) in the case of larger, more involved projects, or can be used for a second discrete project.

KKB347 Becoming A Researcher: Understandings, Skills and Practices

Pre-requisites: Completion of 192cp of study
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit for final year Creative Industries students is designed as a preparation for the Creative Industries Faculty Honours program and/or as an introduction to professional and commercial research contexts.

KKB351 Work Integrated Learning 3

Pre-requisites: KKB342 or BEB702
Anti-requisites: BEB703
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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 creative precincts managed by internationally recognised cultural producers, designers, and professionals that include art museums, galleries, fashion houses, production houses, tourist districts and the like. The unit examines the culture that is produced and exhibited in the city (or cities) selected for the tour and provides opportunities for students to interact with internationally recognised creative artists and cultural professionals. IMPORTANT: The cost of the 2-3 week tour is estimated at between four and five thousand dollars.

KKB352 Work Integrated Learning 4

Pre-requisites: KKB351. KKB351 can be enrolled in the same teaching period as KKB352
Anti-requisites: BEB704
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

It is important that design students gain real world work experience in order to link university study with professional practice. Students need to equip themselves not only with skills and discipline knowledge gained in the classroom, but also with understandings and experience gained from work-integrated learning so 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 transferable skills to a workplace or professional context.

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.00213J
It is important that design students gain real work world experience in order to link university study with professional practice. Students need to equip themselves not only with skills and discipline knowledge gained in the classroom, but also with understandings and experience gained from Work Integrated Learning so that they may function and flourish when they enter the workplace. Work Integrated Learning 4 builds upon foundational knowledge of professional practice and self-directed learning acquired in Work Integrated Learning 1, 2 and 3 by extending the focus to reflection and analysis of how individual practice relates to the collective cultural context of the workplace.

KKD101 Creative Industries: People and Practices

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This unit draws upon cutting edge research into the distinctive characteristics of the creative industries and the creative workforce to introduce you to study and work as an emerging inter-disciplinary creative practitioner. You will investigate creative career possibilities and opportunities, and develop essential information literacy and written communication skills for both academic and professional contexts. You will envision potential creative career pathways, discover which skills you’ll need, and plan your course of study in the BCI. The intention of this unit is to develop your capacity to build a sustainable lifelong career in the creative industries, by introducing you to creative industries disciplines, inter-disciplinarity, and the careers of creative industries practitioners. The unit will help you plan your course of study in line with your career interests and potential career opportunities. It will also enhance your research, written communication and critical thinking skills for various professional and academic purposes.

KKD102 Creative Industries: Making Connections

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The ability to work collaboratively and to communicate effectively is essential for all Creative Industries professionals. In this unit students 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 KKD101 Creative Industries: People and Practices and examines the practical requirements of contributing to cultures and establishing connections with communities. This unit aims to foster students skills as a collaborator and a communicator in the Creative Industries. Students will be introduced to theoretical aspects of community and cultural development and apply practical, ethical and legal considerations involved in working with communities and potential project sponsors. The unit will support students to develop fundamental visual and oral communication skills for effective participation in students’ studies and future professions within the creative industries.

KKK320 Postgraduate Workplace Learning

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<td>Teaching Periods</td>
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It is important that Creative Industries students gain real world work experience in order to link university study with professional practice in their chosen industry. Students need to equip themselves not only with skills and discipline knowledge gained in the classroom, but also with understandings and experience gained from Work Integrated Learning so that they may function and flourish when they enter the workplace. This postgraduate-level unit is offered as part of certain courses where students are expected to apply transferable skills to a workplace or professional context.

KKK330 Postgraduate Workplace Learning

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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.

KKK340 Postgraduate Workplace Learning

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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.

KKP001 Entrepreneurship in the Creative Economy

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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.

KKP002 20:20 Vision: Imagining the Creative Future

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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.

KKP003 Project Design in the Creative Industries

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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.

KKP004 Innovation in the Creative Industries: Major Project

<table>
<thead>
<tr>
<th>Units</th>
<th>Equivalents</th>
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<tbody>
<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Campus</td>
<td>Kelvin Grove</td>
</tr>
<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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, worked in a group, 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.

**KKP004 Innovation in the Creative Industries: Major Project**

**Pre-requisites**
- KKP003 and completion of 96cp

**Co-requisites**
- KKP004-2

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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 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

**KKP400 Honours Project**

**Pre-requisites**
- KKP400-2 (can be enrolled in the same teaching period)

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-1 (INT)

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 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.

**KKP400 Honours Project**

**Pre-requisites**
- KKP400-4 (can be enrolled in the same teaching period)

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-2 (INT)

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.

**KKP400 Honours Project**

**Pre-requisites**
- KKP400-3 (can be enrolled in the same teaching period)

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-2 (INT)

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.

**KKP400 Honours Project**

**Pre-requisites**
- KKP400-1 (can be enrolled in the same teaching period)

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-1 (INT)

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.
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.

**KKP601 Approaches to Research in the Creative Industries**

*Equivalents*  DEB701, KKP609, KKP624  
*Credit Points*  12  
*Campus*  Kelvin Grove  
*Teaching Periods*  2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**KKP603 Project Development in the Creative Industries**

*Pre-requisites*  KKP623  
*Equivalents*  KKN065  
*Credit Points*  12  
*Campus*  Kelvin Grove  
*Teaching Periods*  2014 SEM-2 (INT)

This unit aims to provide Creative Industries practitioners with an understanding of the theory and practice of project development through an integrated view of the concepts, skills, tools and techniques involved in establishing Creative Industries projects. The unit will develop capacities to develop and present an in-depth project/business proposal for a creative industries project or business.

**KKP606 Creative Industries Final Seminar**

*Pre-requisites*  KKP622  
*Equivalents*  KKN072  
*Credit Points*  12  
*Campus*  Kelvin Grove  
*Teaching Periods*  2014 SEM-2 (INT)

This culminating unit is dedicated to the reporting of research outcomes to a collegial group of peers, industry partners and fellow higher degree students. In addition to a written report encompassing an innovative doctoral package of publishable standard, candidates present a public seminar on their Creative Industries professional projects by drawing on the theoretical frameworks developed during their doctoral journey, together with their lived experience of project planning and implementation.

**KKP607 Advanced Professional Practice 1**

*Equivalents*  KKN011  
*Credit Points*  24

This is a multi-part unit. It aims to consolidate and advance the learning of previous project units into the final iteration of your MFA project work. You will create and present your integrated original works and these will be assessed by industry peers. In order to become an active professional artist within a creative industries environment you need to develop your disciplinary skills and understandings in a broad interdisciplinary and collaborative context. Your work environment is likely to be project-based and you therefore need to develop and demonstrate effective project management skills and self-reliance in planning, producing, promoting, and managing your creative work.

**KKP613 MFA Project**

*Co-requisites*  KKP613-1  
*Equivalents*  KKN010-2  
*Credit Points*  12  
*Campus*  Kelvin Grove  
*Teaching Periods*  2014 SEM-1 (INT); 2014 SEM-2 (INT)

This is a multi-part unit. It aims to consolidate and advance the learning of previous project units into the final iteration of your MFA project work. You will create and present your integrated original works and these will be assessed by industry peers. In order to become an active professional artist within a creative industries environment you need to develop your disciplinary skills and understandings in a broad interdisciplinary and collaborative context. Your work environment is likely to be project-based and you therefore need to develop and demonstrate effective project management skills and self-reliance in planning, producing, promoting, and managing your creative work.

**KKP608 Advanced Professional Practice 2**

*Equivalents*  KKN013  
*Credit Points*  24  
*Campus*  Kelvin Grove  
*Teaching Periods*  2014 SEM-1 (INT); 2014 SEM-2 (INT)

Improving professional practice in the Creative Industries is an iterative process that requires ongoing cycles of planning, implementation, analysis, and reflection. This unit builds upon Approaches to Professional Practice 1 to extend and refine your ability to plan, implement, and analyse your professional music project. You will work with your academic supervisors and mentors to implement advice received in intensive workshops and group-specific advice given by visiting industry experts. Together with Advanced Professional Practice 1, this unit provides a systematic framework for the development of your professional practice.

**KKP609 Approaches to Media, Communication and Cultural Research**

*Co-requisites*  IFN001, DEB701, KKP601, KKP624  
*Credit Points*  12  
*Campus*  Kelvin Grove  
*Teaching Periods*  2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit plays a key role in your research degree by introducing you to the fundamentals of good research and standards of presentation. The unit helps you develop the skills to manage your own research project.

**KKP613 MFA Project**

*Co-requisites*  KKP613-1  
*Equivalents*  KKN010-3  
*Credit Points*  12  
*Campus*  Kelvin Grove  
*Teaching Periods*  2014 SEM-1 (INT); 2014 SEM-2 (INT)

This is a multi-part unit. It aims to consolidate and advance the learning of previous project units into the final iteration of your MFA project work. You will create and present your integrated original works and these will be assessed by industry peers. In order to become an active professional artist within a creative industries environment you need to develop your disciplinary skills and understandings in a broad interdisciplinary and collaborative context. Your work environment is likely to be project-based and you therefore need to develop and demonstrate effective project management skills and self-reliance in planning, producing, promoting, and managing your creative work.
project management skills and self-reliance in planning, producing, promoting, and managing your creative work.

**KKP615 Graduate Seminar**

- **Pre-requisites:** KKP601 or KKP624 or KKP609 or KKN200
- **Credit Points:** 12
- **Campus:** Kelvin Grove and External
- **Teaching Periods:** 2014 SEM-1 (EXT, INT); 2014 SEM-2 (INT)

At the postgraduate level, it is important that, as researchers, you connect your project to larger research issues and activities across the creative industries. This seminar-based unit fosters a culture of discussion and debate amongst creative industries research candidates. The seminars offer you the opportunity to share the outcomes of your research and discuss the writing of the thesis/exegesis. This unit is taken during the latter half of candidature when you are best able to report on your research.

**KKP616 Postgraduate Independent Study**

- **Credit Points:** 12
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit enables students to undertake independent work of an artistic or scholarly nature which is of appropriate scope. The student devises an outline and proposal of project study and/or creative practice in consultation with a staff supervisor. Artistic outcomes would be expected to be to the standard of public showing. Written work requires a minimum of 6000 - 10000 words, or equivalent if other media/reportage is used.

**KKP620 Introduction To Reflective Practice**

- **Credit Points:** 12
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SEM-1 (INT)

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.

**KKP622 Advanced Reflective Practice**

- **Pre-requisites:** KKP603 and KKP623
- **Credit Points:** 12
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SUM (BLK)

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 individual's industry practice. The unit culminates in a public presentation of the process and outcomes of DCI Project 1, underpinned by the framework of the professional practitioner in site and field.

**KKP623 Reflective Practice in Action**

- **Credit Points:** 24
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SEM-1 (INT)

This unit introduces and explores the processes involved in undertaking critical, systematic reflection into professional and creative practice. While acknowledging that practice in the Creative Industries incorporates a multitude of processes and approaches across a range of disciplines in diverse contexts, this unit seeks to develop a personal and serviceable model for reflection on practice. The unit forms the basis for subsequent research in the professional practice research projects which drive the course.

**KKP624 Approaches to Design Research**

- **Credit Points:** 12
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

As you commence your postgraduate research degree, this unit plays a key role in introducing you to appropriate forms of enquiry for your own research, and providing you with the philosophies, frameworks, methodologies and protocols for planning, implementing and evaluating that research within a Design and Creative Industries context.

**KKZ301 Creative Industries in Asia**

- **Credit Points:** 12
- **Campus:** Chinese University of HongKong
- **Teaching Periods:** 2014 5TP5 (INT)

Creative Industries in Asia introduces students to media and cultural developments that are both familiar and complex. The familiarity comes from the fact that Asian pop culture is dynamic and shared across the region; the complexity is based on the fact that these Asian creative industries must compete with global creative industries. The unit looks at three levels of interaction in Asia’s creative industries: policy making, markets and grassroots. Students have the chance to draw on local examples in assignments.

**KKZ302 Global Media and Communication**

- **Credit Points:** 12
- **Campus:** Chinese University of HongKong
- **Teaching Periods:** 2014 6TP4 (INT)

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 mass communications, political economy, cultural studies, and professional practice. It will examine major international developments in media and creative industries through a grounded case study approach into global media organisations, production processes, audience behaviour, and public policy.
Units

KMB119 Music and Sound Production 1

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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</thead>
<tbody>
<tr>
<td>KMB108, KMB621</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
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</tbody>
</table>

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.

KMB122 Music and Sound Concepts 1

<table>
<thead>
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<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>KMB130, KMB632</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
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</tbody>
</table>

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.

KMB129 Music and Sound Production 2

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<tr>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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</thead>
<tbody>
<tr>
<td>KMB105, KMB619</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.

KMB132 Music and Sound Concepts 2

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<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<td>KMB122</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
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</table>

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.

KMB140 Creative Studio 1

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<tr>
<th>Anti-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
<td>KMB125, KMB110, KMB657, KMB120, KMB651</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
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</table>

This unit introduces students to the concept of the studio recording techniques and focussing on creative music and sound production. Students will further develop practical skills in music and sound composition and deepen their understanding of studio recording techniques.

KMB141 Creative Studio 2

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
<td>KMB140 or KMB125 or KMB110 or KMB657 or KMB120 or KMB651</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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.

KMB150 Music Scenes and Subcultures

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<tr>
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<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
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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.

KMB151 The Music Industry

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<tr>
<th>Equivalents</th>
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<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
<td>KMB301, KMB506</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
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</tbody>
</table>

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.

KMB160 Audio / Visual Interaction

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<th>Campus</th>
<th>Teaching Periods</th>
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<tr>
<td>KKB216</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.
### KMB235 Creative Studio 4

**Pre-requisites**  
KMB225 or KMB214-2 or KMB138

**Equivalents**  
KMB214-2

**Credit Points**  
12

**Campus**  
Kelvin Grove

**Teaching Periods**  
2014 SEM-2 (INT)

Successful musicians and sound designers need to form and negotiate their creative identity within a complex field of practice. They need to develop critical skills to understand their work in context and how it can be connected to an audience. This unit continues to develop students' critical aural and practical skills from Creative Studio 1, 2 and 3. With staff mentorship, it provides an opportunity for students to explore, plan and present their work with peers and individually to both on and off-campus. It assists students in the continuing development of their identity as an artist by locating their work within a broader field of practice, as well as extending them in the role of the creative collaborator.

### KMB250 Creative Performer 1

**Pre-requisites**  
(KMB141 or KMB135) and KMB119 and KMB129

**Credit Points**  
12

**Campus**  
Kelvin Grove

**Teaching Periods**  
2014 SEM-1 (INT)

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 deepens understanding of creative relationships and musical knowledge.

### KMB251 Creative Performer 2

**Pre-requisites**  
KMB250

**Credit Points**  
12

**Campus**  
Kelvin Grove

**Teaching Periods**  
2014 SEM-2 (INT)

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.

### KMB252 Multi-Platform Sound Design

**Pre-requisites**  
KMB129

**Credit Points**  
12

**Campus**  
Kelvin Grove

**Teaching Periods**  
2014 SEM-1 (INT)

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.

### KMB319 Music and Sound Production 5

**Pre-requisites**  
KMB229

**Credit Points**  
12

**Campus**  
Kelvin Grove

**Teaching Periods**  
2014 SEM-1 (INT)

This unit builds upon Music and Sound Production 1, 2, 3 and 4. It focuses on the skills needed for the delivery and professional presentation of developed work in a variety of creative production areas. It deepens understanding of creative relationships and extends 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.

### KMB325 Creative Studio 5

**Pre-requisites**  
KMB235

**Credit Points**  
24

**Campus**  
Kelvin Grove

**Teaching Periods**  
2014 SEM-1 (INT)

This unit builds students' skills working in self-directed environments as project initiators, and as active collaborators on projects devised by peers. Students will explore, in greater detail, strategies for audience engagement, music curatorship, and event promotion and will critically examine the approaches of successful music and sound professionals. In consultation with studio staff, students will devise a program of work for public presentation alongside a marketing and promotion plan. Students will examine the relationships between live performance/presentation and recording, both creatively and as tools for audience engagement. Students will also engage in the critical analysis and recognition of music and sound techniques and applications.

### KMB329 Music and Sound Production 6

**Pre-requisites**  
KMB319

**Credit Points**  
12

**Campus**  
Kelvin Grove

**Teaching Periods**  
2014 SEM-2 (INT)

This capstone unit extends and completes students' skills working in self-directed environments as project initiators, and as active collaborators on projects devised by peers. Students will apply strategies for audience engagement, curatorship, and event promotion. With mentoring from studio staff, students will present a public program of interdisciplinary work designed to engage audiences at a professional level. Critical evaluation of the work by peers, staff and industry professionals will be an integral element of the unit.

### KMB350 Creative Performer 3

**Pre-requisites**  
KMB251

**Credit Points**  
12

**Campus**  
Kelvin Grove

**Teaching Periods**  
2014 SEM-1 (INT)

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 skills developed in Creative Performer 1 and 2.

### KMB351 Creative Performer 4

**Pre-requisites**  
KMB350

**Credit Points**  
12

**Campus**  
Kelvin Grove

**Teaching Periods**  
2014 SEM-2 (INT)

This capstone unit, the last of four Creative Performer units, examines the student's own musical practice in relation to finding a distinctive performance profile.

### KMP101 Music (Primary / Instrumental) Curriculum Studies 1

**Anti-requisites**  
KMB101

**Credit Points**  
12

**Campus**  
Kelvin Grove

**Teaching Periods**  
2014 SEM-1 (INT)

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.

### KMP201 Music (Secondary) Curriculum Studies 1

**Anti-requisites**  
KMB201

**Credit Points**  
12

**Campus**  
Kelvin Grove

**Teaching Periods**  
2014 SEM-1 (INT)

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.

### KMP202 Music (Secondary) Curriculum Studies 2

**Pre-requisites**  
KMP201

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/unit/; CRICOS No.00213J
KMP411 Music Project 2

Pre-requisites
KMP410 or KMN601 (can be enrolled in the same teaching period)

Equivalents
KMN602
Credit Points
24
Campus
Kelvin Grove
Teaching Periods
2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit is the second of two music project units designed for students to develop an integrated approach to their creative practice through intensive, applied and collaborative exploration.

KPB112 Drawing for Animation 2

Equivalents
KVB106, KVB756
Credit Points
12
Campus
Kelvin Grove
Teaching Periods
2014 SEM-2 (INT)

Animation incorporates conventions and interpretations of dynamic structure in space and time. Core skills and knowledge of drawing provide an essential foundation for existing and evolving modes for construction and presenting animated kinetic images. The discipline of animation requires a diverse range of traditional drawing skills that have been introduced in the prerequisite unit and now translated into moving images. The emphasis of this unit focuses on the conventions of dynamic animated images in kinetic applications.

KPB123 Animation and Motion Graphics

Equivalents
KIB105
Credit Points
12
Campus
Kelvin Grove
Teaching Periods
2014 SEM-2 (INT)

The field of motion graphics has expanded rapidly, with its application extending beyond the role of cinematic storytelling to applications for title sequences, music promotion, marketing, computer games and information design. This unit provides an introduction to animation and motion graphics concepts and practices, with an emphasis on the principles of design in motion. This unit provides an introduction to the world of animated graphics, paying particular attention to pre-production techniques, design in motion, and idea generation. Through the development of screen-based works, you will apply traditional animation principles and techniques to communicate innovative temporal and spatial design solutions.

KPB124 3D Animation 1

Equivalents
KIB111, KIB203
Credit Points
12
Campus
Kelvin Grove
Teaching Periods
2014 SEM-1 (INT); 2014 SEM-2 (INT)

In the evolving fields of animation, games and graphical visualisation, you will require new literacies and skills to participate fully in the 3D Computer Graphics production process. By introducing you to principles, processes, methods and theories of modelling: the architecture of 3D graphics; and node based applications, you will gain a foundational understanding of 3D graphics production.

KPB211 3D Animation 2

Pre-requisites
KPB124 or KIB111 or KIB107 or KIB203

This unit will provide knowledge of the history and techniques of animation, as well as core skills, and an understanding of its application for concept development, prototyping, and storyboarding. This will provide an important foundation for existing and evolving modes of constructing and presenting effective visual communication.

KMP410 Music Project 1

Equivalents
KMN601
Credit Points
24
Campus
Kelvin Grove
Teaching Periods
2014 SEM-1 (INT)

The successful integration of artistic practice with audience and business development lies at the heart of career sustainability in the Creative Industries. This unit is the first of two music project units designed for students to develop an integrated approach to their creative practice through intensive, applied, and collaborative exploration of the techniques, materials, creative practice through intensive, applied and collaborative exploration.
When creating animated content for production, it is important to develop a solid methodology that allows an animator to work quickly and creatively while maintaining an acceptable level of quality. Being able to take direction and creatively respond to a brief while finding the best way to communicate an idea to an audience is a core skill that takes time to develop. The core communication skills of illustration, motion, blocking and layout follow industry standards in pre-production, and are required for the generation and presentation of ideas, as well as the exploration of form and character.

**KNB212 Real-time 3D Computer Graphics**
- **Pre-requisites**: KNB214 or KIB111 or KIB107 or KIB203
- **Equivalents**: KIB215, KIB325, KIB310, KIB281
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

The rapid improvements of rendering 3D graphics in real-time has seen this field expand beyond its early application to virtual environments and games. The use of real-time 3D technologies to enable virtual cinematography is quickly becoming commonplace. Real-time 3D engines allow directors and cinematographers to interactively direct a virtual camera with the same freedom as a live shoot. This unit provides students with a firm grounding in the use of real-time 3D engine. The content presented lays the critical groundwork for more advanced practices in KIB226 Virtual Environments.

**KNB221 Animation: CG Toolkit**
- **Pre-requisites**: (KNB123 or KIB105) and (KNB214 or KIB111 or KIB203)
- **Equivalents**: KIB213, KIB221
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

Every artist needs to understand their toolkit. For a successful animation career, one must be familiar and competent in the tools and software used in the creation of animated works. In addition, it is important to understand the processes of production in which these tools are employed. Animation CG Toolkit allows you to familiarise yourself with the tools and techniques of production within a studio environment.

**KNB222 Virtual Environments**
- **Pre-requisites**: KNB212 or KIB215 or KIB235
- **Equivalents**: KIB226, KIB316, KIB310, KIB281
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

3D Virtual Environments are continuing to be adopted by a wide range of industries providing artists with many more creative outlets and employment opportunities. By learning how to apply their 3D skills to the development of a virtual environment, students are making themselves more versatile as future animators, designers and creative practitioners. This unit builds on the fundamental skills developed in the prerequisite unit (Real-Time 3D Computer Graphics) allowing students to develop a major work for public exhibition.

**KNB311 Advanced Concepts in Computer Animation 1**
- **Pre-requisites**: (KNB221 or KIB221 or KIB213) and (KNB222 or KIB226 or KIB316 or KIB310 or KIB281)
- **Equivalents**: KIB320, KIB312
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

This unit consolidates your studio working practices, while supporting you to develop advanced skills and concepts in computer animation, character design and, cinematic narrative and storytelling and directing. An important part of Advanced Concepts in Computer Animation is to encourage you to pitch, direct and produce animated works. This will bring a depth and breadth to your practice and provide you with the production management and direction skills required of an emergent animation professional.

**KNB312 Contemporary Issues in Animation**
- **Pre-requisites**: KNB121 or KIB108 or KIB825
- **Equivalents**: KIB302
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

Since the arrival of digital technologies, animation has become increasingly pervasive and is now embedded in many disciplines. Contemporary Issues in Animation recognises the diversity of animation practice and explores theoretical and critical debates about its role and place within the context of media globalisation. It examines animation practice across a range of industries and considers its effect on animated image forms on the experience of visual culture.

**KNB321 Advanced Concepts in Computer Animation 2**
- **Pre-requisites**: KNB311 or KIB320
- **Equivalents**: KIB330, KIB313
- **Credit Points**: 24
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

To prepare for life outside of the academic institution, it is important to be able to showcase your work, with knowledge of the requirements of your field. As a capstone unit, Advanced Concepts in Computer Animation 2 gives you the opportunity to present your work in a portfolio and showcase. The studio continues to develop production skills, concentrating on final output and postproduction for exhibition.

**KNP412 Advanced Animation Practices**
- **Pre-requisites**: Admission into KK6MJR-ANIMATN - Animation Major
- **Credit Points**: 12
- **Campus**: null

It is important when studying animation to be aware of the production practices involved in creating an animated work. This unit provides you with the opportunity to engage in an original animated production in response to a project brief.

**KNP421 Animation Practices**
- **Pre-requisites**: KIP408, KIB108, KIB821, KIB225
- **Credit Points**: 12
- **Campus**: null

This unit explores the creative potential offered by the study of the history and practice of animation. You will be introduced to the cultures and historical approaches of past and present animators and the contribution they have made to the development of the language of animation. You will be encouraged to criticallyanalyse, engage with, and respond to their works and reflect on diverse approaches to the use of the medium. A critical approach, developed by this content, provides a context for developing your own personal style and ongoing practice.

**KNP423 Animation and Motion Graphics**
- **Pre-requisites**: KIP405, KNB123, KIB105, KIB804
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

The field of motion graphics has expanded rapidly, with its application extending beyond the role of cinematic storytelling to applications for title sequences, music promotion, marketing, computer games and information design. This unit provides an introduction to animation and motion graphics concepts and practices, with an emphasis on the principles of design in motion. This unit provides an introduction to the world of animated graphics, paying particular attention to pre-production techniques, design in motion, and idea generation. Through the development of screen-based works, you will apply traditional animation principles and techniques to communicate innovative temporal and spatial design solutions.

**KPB101 Introduction to Film, TV and New Media Production**
- **Pre-requisites**: KPB150, KPB155
- **Credit Points**: 12
- **Campus**: Caboolture and Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.
This information is correct as at 19/12/2014. For the most up-to-date course information, visit
http://www.student.qut.edu.au/study/units/. CRICOS No.00213J

**Units**

**KBP105 Narrative Production**

- **Pre-requisites**: KPB101
- **Credit Points**: 12
- **Campus**: Caboolture and Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**KBP109 Film and TV History**

- **Equivalents**: KPB102, KPB359
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

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.

**KPB110 The Movie, TV and New Media Business**

- **Equivalents**: KPB106, KPB209
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

The move, 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.

**KPB112 TV and Film Genres**

- **Pre-requisites**: KPB113, KPB113 can be studied in the same teaching period as KPB112
- **Equivalents**: KPB103, KPB107
- **Credit Points**: 12
- **Campus**: null

Genre is an important concept for creators of film, television, and screen productions; for distributors; and for audiences. Screen genres continue to evolve in response to technological, industrial, entertainment, and cultural imperatives in the contemporary digital media environment. It is therefore important to consider similarities, differences, and connections between related screen genres.

**KPB113 TV and Film Text Analysis**

- **Equivalents**: KPB108, KPB130
- **Credit Points**: 12
- **Campus**: Kelvin Grove

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.

**KPB114 Researching and Planning Creative Film, TV and New Media Projects**

- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

The ability to research, write and conduct critical analyses are essential undergraduate skills and creative projects require the attributes of a contemporary researcher. By first familiarising students in the general skill set of academic research this unit will then apply this knowledge to specific tasks required as part of the project planning that goes into film, television and new media practices and productions across the three years of the FTVMN course.

**KPB115 Editing and Technical Production**

- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

Contemporary editing, audio and vision operational skills require technical understandings and competencies. This demonstration based unit will provide students with an introduction to the technical dimensions supporting audio visual productions and will utilise Editing laboratories, TV Studio and Studio Control room, cameras and sound recording equipment.

**KPB116 Introduction to Scriptwriting**

- **Anti-requisites**: KWP401
- **Equivalents**: KWB102, KWB111
- **Credit Points**: 12
- **Campus**: Caboolture and Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

Writing scripts for a range of media formats is a learned craft and requires discipline, perseverance and an understanding of industry practice. Possessing this key knowledge will give you abilities to develop concepts through to script stage across various film, television, and new media genres.

**KPB201 Experimental Production**

- **Pre-requisites**: KPB105 and KPB115
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**KPB205 Documentary Theory and Practice**

- **Credit Points**: 12
- **Campus**: null

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 KPB25/KK34 (Film, Screen & Animation) 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 scripts and productions. For non-KPB25/KK34 (Film & Television) students, the unit provides an opportunity to address the theoretical underpinnings of documentary form, and the processes of documentary production.

**KPB206 International Cinema**

- **Equivalents**: KB344
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**KPB207 Film and Television Scriptwriting**

- **Equivalents**: KWB105
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit focuses on the production of a sustained script for film or television.

**KPB210 Production Management for Film, TV and New Media**

- **Pre-requisites**: KPB110
- **Equivalents**: KPB104
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

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.
KPB211 Writing Dialogue
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

KPB212 Australian Film and TV
Equivalents: KPB203, KPB343, KPB106
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

KPB213 Multi-Camera TV Studio Production
Pre-requisites: KPB105 and KPB115
Equivalents: KPB204
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

KPB214 Single Camera TV Production
Pre-requisites: KPB201
Equivalents: KPB204
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

KPB215 Project Development for Film, TV and New Media
Pre-requisites: KPB114
Credit Points: 12

A key part of the television and film industries is the amount of time devoted to the development of projects. Substantial resources are devoted to identifying ideas, developing them, script editing and re-writing and market testing. In this unit you will go through this process as you develop a project for production.

KPB303 Critical Thinking About Television and Film
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

Students who have an interest in the social function of television, film and new media should be encouraged to think critically about social, cultural and aesthetic issues regarding the media. In this unit you will look at these issues, and learn the skills you need in order to research them and think about them critically.

KPB304 Australian Film and TV
Equivalents: KPB205, KPB207, KPB212
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

Designed for students in their final year of study, this unit involves short film, television and new media production primarily in the communication of fictional events. Students work in groups and independently under supervision. It provides opportunities for students to specialise in directing, producing, cinematography, sound, vision editing, screenwriting and new media applications at an advanced level.

KPB305 Film and Television Drama Practice
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

Designed for students in their final year of study, this unit involves practice in short film, television and new media production in the communication of fictional or non-fictional events. Students work in groups and independently under supervision. The unit provides training in producing at an advanced level.

KPB306 Film and Television Drama Production
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

Designed for students in their final year of study, this capstone unit includes practice in short film, television and new media production in the communication of fictional or non-fictional events. Students work in groups and independently under supervision. The unit provides training in producing at an advanced level, and builds on and refines the practical skills and theoretical knowledge previously acquired in KPB322 Advanced Production (Producing).

KPB307 Producing for Film, TV and New Media
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

Designed for students in their final year of study, this unit includes practice in short film, television and new media production primarily in the communication of non-fictional events. Students work in groups and independently under supervision. It provides training in producing at an advanced level, and builds on and refines the practical skills and theoretical knowledge previously acquired in KPB322 Advanced Production (Producing).

KPB308 Film and Television Drama Production
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

KPB310 Film and Television Drama Production (Craft) 1
Pre-requisites: Completion of 108 credit points of KPB coded units (KPB%)
Credit Points: 24
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

Designed for students in their final year of study, this unit involves practice in short film, television and new media production primarily in the communication of fictional or non-fictional events. Students work in groups and independently under supervision. The unit provides training in producing at an advanced level.

KPB311 Producing for Film, TV and New Media
Pre-requisites: Completion of 96cp of study
Equivalents: KPB202
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

Producers are key figures in the production of television, film and new media. This unit will take you through the key skills you need to work as a producer, including how to source funding for projects, putting together a creative team, and organising distribution and marketing.

KPB312 Producing for Film, TV and New Media
Pre-requisites: Completion of 108 credit points of KPB coded units (KPB%)
Credit Points: 24
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

Designed for students in their final year of study, this unit involves practice in short film, television and new media production primarily in the communication of non-fictional or non-fictional events. Students work in groups and independently under supervision. The unit provides training in producing at an advanced level, and builds on and refines the practical skills and theoretical knowledge previously acquired in KPB322 Advanced Production (Producing).

KPB320 Advanced Production (Craft) 1
Pre-requisites: Completion of 108 credit points of KPB coded units (KPB%)
Credit Points: 24
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

Designed for students in their final year of study, this capstone unit includes practice in short film, television and new media production in the communication of fictional or non-fictional events. Students work in groups and independently under supervision. The unit provides training in producing at an advanced level, and builds on and refines the practical skills and theoretical knowledge previously acquired in KPB322 Advanced Production (Producing).

KPB321 Advanced Production (Craft) 2
Pre-requisites: KPB202
Credit Points: 24
Campus: null

Designed for students in their final year of study, this unit involves short film, television and new media production primarily in the communication of fictional events. Students work in groups and independently under supervision. It provides opportunities for students to specialise in directing, producing, cinematography, sound, vision editing, screenwriting and new media applications at an advanced level.

KPB322 Advanced Production (Producing) 1
Pre-requisites: Completion of 108 credit points of KPB coded units (KPB%)
Credit Points: 24
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

Designed for students in their final year of study, this unit involves practice in short film, television and new media production in the communication of fictional or non-fictional events. Students work in groups and independently under supervision. The unit provides training in producing at an advanced level.

KPB323 Advanced Production (Producing) 2
Pre-requisites: KPB202 (can be enrolled in same teaching period)
Credit Points: 24
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

Designed for students in their final year of study, this capstone unit includes practice in short film, television and new media production in the communication of fictional or non-fictional events. Students work in groups and independently under supervision. The unit provides training in producing at an advanced level, and builds on and refines the practical skills and theoretical knowledge previously acquired in KPB322 Advanced Production (Producing).
This unit introduces students to the concepts and principles associated with scenography, historical trends in technical theatre and the background associated with the broad vocabulary of technical theatre terminology.

**KRB120 Scenography and the Art of Technical Theatre**

- **Pre-requisites**: KRB120
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

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.

**KRB121 Visual Theatre**

- **Pre-requisites**: KRB120
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

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.

**KRB122 Stage Management 2**

- **Pre-requisites**: KRB111
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**KRB123 Stage Management 3**

- **Pre-requisites**: KRB111 or KSB211 or KSB293
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

This unit broadens the skills base for stage managers into production and event management.

**KRB124 Technical Production 2**

- **Pre-requisites**: KRB14 or KSB114 or KSB18 or KRB104
- **Credit Points**: 24
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**KRB125 Technical Production 3**

- **Pre-requisites**: KRB17
- **Credit Points**: 24
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

Production Practice 4 builds on previous units and advances students' knowledge and practice to prepare them for industry work placements in their final year of study. This unit provides ongoing support for students as they continue to develop their technical, managerial and creative practice.

**KRB200 The Scenographic Divide**

- **Pre-requisites**: KRB121
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**KRB220 Intermedial Applications for the Theatre**

- **Pre-requisites**: KRB200
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

This unit introduces students to the concepts and principles associated with intermediate 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.

**KRB221 The Scenographic Divide**

- **Pre-requisites**: KRB200
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

This unit introduces students to theoretical concepts and principles associated with scenography. 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.

**KRB222 Technical Production Practice A**

- **Pre-requisites**: (KRB218 or KSB218 or KSB214 or KSB291) and (KRB212 or KSB212 or KSB294)
- **Credit Points**: 24
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

This unit exposes 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.

**KRB223 Technical Production Practice B**

- **Pre-requisites**: KRB301
- **Credit Points**: 24
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

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).
KRB303 Advanced Technical Production Practice A

Pre-requisites: KRB218
Credit Points: 24
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This unit aims to expose you to the rigorous 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.

KSB103 Voice and Movement 1

Co-requisites: KSB107
Equivalents: KSB204
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

KSB104 Voice and Movement 2

Pre-requisites: KSB103 or KSB204
Equivalents: KSB205
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

This unit builds upon voice and movement skills acquired in KSB103, and applies them to studio performance outcomes. It provides an opportunity for students to explore how developing instrumental skills can be effectively applied into acting contexts.

KSB106 Acting Fundamentals

Pre-requisites: KFAMJUR-ACTING
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

Acting Fundamentals is a studio-based exploration of foundational acting principles, providing practical performance skills, including physical and vocal awareness and expression, improvisation and scene analysis.

KSB107 Acting 1

Pre-requisites: KSB103
Credit Points: 24
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

Actors must learn to trust themselves in their craft and learn that their sensory and emotional apparatus are their artistic medium. This work forms the foundation of the actor's craft and begins the development of the performer's sensory and emotional resources. Emphasis is placed on work that challenges the capability of the actor's instrument intellectually, emotionally, physically and vocally.

KSB108 Acting 2

Pre-requisites: KSB107 or KSB101 or KSB202
Credit Points: 24
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

This unit further develops your knowledge, understanding and skills in the fundamentals of acting applied to different dramatical and staging contexts. It builds on KSB107 Acting 1, and prepares you for performing in projects for stage and screen in your second year.

KSB223 Voice and Movement 3

Pre-requisites: KSB104 or KSB205
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

KSB224 Voice and Movement 4

Pre-requisites: KSB223 or KSB233
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

KSB229 Acting 3

Pre-requisites: KSB108 or KSB203
Credit Points: 24
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

KSB230 Acting 4

Pre-requisites: KSB229 or KSB221 or KSB247
Credit Points: 24
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

KSB301 Theatre Project 1

Pre-requisites: KSB230 or KSB222 or KSB248
Equivalents: KSB265
Credit Points: 48
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

In this unit you participate in a season of semi-profiled performance projects, working as an ensemble performing roles for film and stage.

KSB302 Theatre Project 2

Pre-requisites: KSB301 or KSB255
Equivalents: KSB256
Credit Points: 48
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/; CRICOS No.00213J.
### KTB101 Understanding Theatre

**Equivalents**: KTB251

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT)

In this unit you will investigate the major artistic movements in European theatre history, fields of performance practice dominant in European theatre history and key plays associated with these artistic movements and practices.

### KTB102 Process Drama

**Equivalents**: KTB214

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT)

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.

### KTB103 Performing Skills 1: Character and Scene

**Equivalents**: KTB205, KTB204

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT)

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.

### KTB104 Performance Innovation

**Equivalents**: KTB271

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-2 (INT)

The aim of this unit is to give you an appreciation and understanding of innovations in the delivery and reception of theatre in both historical and contemporary contexts.

### KTB105 Production 1

**Pre-requisites**: KTB107 or KTB206 or KTB277

**Equivalents**: KTB273

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-2 (INT)

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.

### KTB106 Performing Skills 2: Style and Form

**Equivalents**: KTB258

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-2 (INT)

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.

### KTB107 The Creating Body

**Equivalents**: KTB206, KTB277

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT)

An understanding of innovative contemporary performance would be incomplete without an appreciation of the role that investigations into physical expressivity have played in the development of a range of new performance forms, including Physical Theatre, and of a range of training techniques that focus on releasing the performer's physical creativity.

### KTB108 Applied Theatre

**Pre-requisites**: KTB102 or KTB214

**Equivalents**: KTB209, KTB280, KTB272

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-2 (INT)

It is important for students of performance to push beyond the walls of the designated theatre space and examine performance in a range of forms and contexts for its transformative powers and as it is applied to social action. To consider performance as it is applied within diverse communities for a range of purposes is key to a full understanding of contemporary performance in the twenty-first century.

### KTB205 Production 2

**Pre-requisites**: KTB308

**Equivalents**: KTB305

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT)

This unit focuses on the collaborative devising of a performance with professional guidance.

### KTB206 Staging Australia

**Equivalents**: KTB253

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-2 (INT)

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.

### KTB210 Creative Industries Management

**Pre-requisites**: Completion of 72 credit points of study

**Equivalents**: KTB061

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT)

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.

### KTB211 Creative Industries Events and Festivals

**Pre-requisites**: Completion of 72 credit points of study

**Anti-requisites**: KTP406

**Equivalents**: KTB062

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-2 (INT)

Combination of practical and theoretical investigation into how strategy and mission work in arts agencies in arts, events, promotion and public relations in Australia.

### KTB212 Theatre and Community

**Pre-requisites**: KTB108

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT)

Australia has a strong record of excellence in the expanding field of theatre and drama in communities. Knowledge of the ethos, values and processes of working with communities in a responsive and consultative fashion is thus an essential component of any comprehensive preparation for a career in Drama and provides major career opportunities particularly for emerging artists. This is a 2nd year unit that articulates with and builds upon previous knowledge gained in KTB102 (Process Drama) and KTB108 (Applied Theatre).

### KTB213 Directing Theatre

**Pre-requisites**: KTB101

**Equivalents**: KTB306

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-2 (INT)

Directing text-based performance events, whether within a subscription season of 'traditional' theatre, or as a stand-alone event within the independent theatre sector, or within a festival context, requires highly developed creative skills and sound managerial and organisational abilities. This second year undergraduate unit examining the artistic processes and project-management responsibilities that a drama director must fulfill, is essential for students wishing to
further their practice as directors, or as performance-makers within educational settings or within the creative industries. It builds on skills and perspectives acquired in units such as Performing Skills 1& 2, Performance Innovation, Production 1&2, and Understanding Theatre.

**KTB302 Postdramatic Theatre**

**Equivalents**: KTB204, KTB275  
**Credit Points**: 12  
**Campus**: Kelvin Grove  
**Teaching Periods**: 2014 SEM-1 (INT)

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 postdramatic theatre that challenges many of the traditional terms we use to define and make theatre. This unit examines postdramatic theatre that was heralded by the emergence of postmodernism. The unit will investigate the challenges postdramatic theatre makes to traditional notions of unitary art form, character, audience, site, time and narrative. The unit will investigate the postmodern aesthetics inherent in interdisciplinary, transdisciplinary and inter-media practices.

**KTB303 Production 3**

**Pre-requisites**: KTB205  
**Equivalents**: KTB310  
**Credit Points**: 12  
**Campus**: Kelvin Grove  
**Teaching Periods**: 2014 SEM-1 (INT)

Production 3 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.

**KTB305 The Entrepreneurial Artist**

**Pre-requisites**: Completion of 168 credit points of study  
**Credit Points**: 12  
**Campus**: Kelvin Grove  
**Teaching Periods**: 2014 SEM-2 (INT)

This unit is taken in the final three years of the Bachelor of Creative Industries Drama course. The program is designed to cover a range of artistic and economic areas, including: aesthetics, creativity, regulatory, administrative, legal and ethical issues related to the practice and business of the creative industries.

**KTB313 Production 4**

**Pre-requisites**: KTB303  
**Credit Points**: 12  
**Campus**: Kelvin Grove  
**Teaching Periods**: 2014 SEM-2 (INT)

When a work that has undergone creative development moves into production, a whole new set of challenges, imperatives and creative ethos come into play. Understanding and managing this complex transition is a vital skill for the emerging collaborative ensemble. This 3rd year capstone unit prepares you for entry into the performance/education industry and/or postgraduate study by building upon skills and knowledge from KTB105 Production 1, KTB205 Production 2 and KTB303 Production 3.

**KTP201 Drama Curriculum Studies 1**

**Pre-requisites**: KTB201, KTB414  
**Credit Points**: 12  
**Campus**: Kelvin Grove  
**Teaching Periods**: 2014 SEM-1 (INT)

This unit provides an introduction to key syllabus documents and to key skills and strategies of drama teaching.

**KTP202 Drama Curriculum Studies 2**

**Pre-requisites**: KTP201  
**Credit Points**: 12  
**Campus**: Kelvin Grove  
**Teaching Periods**: 2014 SEM-2 (INT)

In this unit, you develop planning and teaching skills for aesthetic learning and assessment and develop as a critically reflective practitioner and teacher artist.

**KTP203 Drama Curriculum Studies 3**

**Pre-requisites**: KTP202 (can be enrolled in the same teaching period)  
**Credit Points**: 12  
**Campus**: Kelvin Grove  
**Teaching Periods**: 2014 SEM-2 (INT)

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.

**KTP406 Creative Industries: Events and Festivals**

**Pre-requisites**: KTB211  
**Credit Points**: 12  
**Campus**: null

Combination of a practical and theoretical investigation into how strategy and mission work in arts agencies in arts, events, promotion and public relations in Australia.

**KTP408 Marketing Arts and Culture**

**Pre-requisites**: GSN228, KKP408  
**Credit Points**: 12  
**Campus**: null

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.

**KTP409 Arts and Cultural Management**

**Pre-requisites**: GSN227  
**Credit Points**: 12  
**Campus**: null

This unit provides students of arts and cultural management with an investigation and analysis of the management function of the not-for-profit arts organisation. It examines the strategic management approaches and operational procedures of arts organisations, including their relationships with the legal system, the media, business, the public, and the industrial provisions and human resources of the organisation.

**KTP411 Advanced Practice in Creative Production and Arts Management**

**Pre-requisites**: KKB6MJR-CPARTMG - Creative Production and Arts Management Major  
**Credit Points**: 12  
**Campus**: null

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 is skills including creative entrepreneurship, programming, commissioning, management and leadership.

**KTP413 Managing Money in the Arts**

**Pre-requisites**: KKP402, GSN225  
**Credit Points**: 12  
**Campus**: null

Arts managers, event managers and creative producers play a critical role in taking great ideas to market. In this unit, you will examine the entrepreneurial strategies arts leaders use to implement their ideas in the current policy and economic climate. You will consider the role of corporate development, fundraising, grants, sponsorship and philanthropy.
This unit examines the audio-visual conventions of digital media. It focuses specifically on analysing and creating moving images.

**KVB120 Studio Art Practice 1**

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<th>Equivalents</th>
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<td>Credit Points</td>
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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.

**KVB121 Studio Art Practice 2**

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<th>Pre-requisites</th>
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</table>

Contemporary cultural conditions and artistic practices are very diverse and complex. Consequently, this unit introduces aspects of artistic practice that will actively support self-motivation, self-reliance, as well as a sense of inquiry and openness to new ideas and experiences. It therefore comes in the first year of your course and provides foundational learning for future studio practice. As an active contributor in the cultural and creative industries, it is important that you learn to formulate personal conceptual and visual interests, as well as develop an understanding of your individual body of art work that is based on the application of knowledge of contemporary visual arts practices. It is an important concern of this unit that you understand that the media employed in visual art are not neutral but actively contribute to the form and content of work produced.

**KVB200 Exhibition and Display in the Visual Arts**

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</table>

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.

**KVB211 3D Media and Processes**

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</table>

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.

**KVB114 Digital Media**

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<th>Equivalents</th>
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</table>

This unit introduces the historical, philosophical, economic, political, social, cultural, artistic and formal 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.

**KVB108 Contemporary Asian Visual Culture**

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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.

**KVB109 Visual Arts Foundation**

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</table>

Careers in the visual arts are diverse and dynamic and the sector encompasses a range of roles and employment possibilities for you to pursue. Certain skills and abilities are common to all of these potential destinations. Successful artists, art teachers and arts professionals benefit from rigorous research, writing and visual analysis skills as well as a broad knowledge of the industry as a whole and it is important that you are introduced to these skills at the beginning of your course to contextualise your learning throughout your degree. Through visual arts specific activities you are able to discover the connection between core academic skills and your future career in the visual arts.

**KVB103 Australian Art**

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</table>

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.

**KVB104 Photomedia and Artistic Practice**

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This unit aims to provide you with an understanding of the aesthetic aspects of various concepts and processes that have been part of the history of photography and are still in use in contemporary photomedia. The unit 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 photomographic artist’s repertoire, this unit aims to give you a broad range of choices and processes to complement and augment understandings and knowledge of 2D media and processes.
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.

KVB212 Australian Art, Architecture and Design

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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.

KVB213 Graphic Investigation

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The interface between the graphic design, print and art environments is dynamic and pervasive. An awareness of contemporary practices through conceptual and hands-on cross-media investigations will allow you to interpret and engage more creatively in these environments.

KVB220 Studio Art Practice 3

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<th>Pre-requisites</th>
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</table>

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.

KVB221 Studio Art Practice 4

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<th>Pre-requisites</th>
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<td>Equivalents</td>
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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.

KVB304 Contemporary Art Issues

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</table>

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.

KVB306 Video Art and Culture

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<th>Equivalents</th>
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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.

KVB307 Theories of Spatial Culture

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<th>Equivalents</th>
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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.

KVP301 Visual Arts Curriculum Studies 1

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<tr>
<th>Anti-requisites</th>
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</table>

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.

KVP302 Visual Arts Curriculum Studies 2

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In consultation with studio staff, students at this level 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.
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.

**KVP400 Contemporary Aesthetic Debates**

**Anti-requisites:** KVB004

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-1 (INT)

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 that have impacted on our world.

**KVP030 Visual Arts Curriculum Studies 3**

**Pre-requisites:** KVP302 (can be enrolled in the same teaching period)

**Anti-requisites:** KVB303

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-2 (INT)

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.

**KVP040 Photomedia and Creative Practice**

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-1 (INT)

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.

**KVP101 Creative Writing: the Short Story**

**Anti-requisites:** KWP403

**Equivalents:** KWB350, KVP101

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-2 (INT)

The unit covers the writing of the short story in detail.

**KVP108 Introduction To Literary Studies**

**Equivalents:** KWB001, KWB716

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-2 (INT)

“The textuality of the world has been an important development in twentieth century theory in the West.” (Fluery,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.

**KVP109 Writing Australia**

**Equivalents:** KWB002, KWB710

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-2 (INT)

This unit provides you with an introduction to conceptual frameworks derived from some of the major critical discourses that have impacted on our world.

**KVP100 Writing Fundamentals**

**Equivalents:** KKB009, KKB618

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-1 (INT)

Academic writing is an essential skill that all students need to succeed in their university degree programme, as academic writing underpins assessment tasks in all university degrees. This unit is placed in the first semester of your first year to ensure that you have the necessary writing skills to complete assessment at a high standard.

**KVP1116 Creative Non-Fiction**

**Equivalents:** KWP402

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-1 (INT)

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.

**KVP111 Scientific and Technical Writing**

**Equivalents:** KWB101, KWB250

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-1 (INT)

The unit will provide foundational skills and concepts for written communication in scientific and technical environments. Students will be introduced to the principles of writing clearly in a science-based context, and to the discursive frameworks that inform scientific and technical writing.

**KVP115 Persuasive Writing**

**Equivalents:** KWB103, KWB315

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-1 (INT)

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.

**KVP112 Writing Non-Fiction**

**Equivalents:** KWB107, KWB381

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-1 (INT)

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.

**KVP404 Digital Media**

**Equivalents:** KIP404, KIB104, KKB114, KIB808

**Credit Points:** 12

**Campus:** null

This unit examines the audio-visual conventions of digital media. It focuses specifically on analysing and creating moving images.

**KVP104 Introduction To Literary Studies**

**Equivalents:** KWB001, KWB716

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-2 (INT)

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.

**KVP114 Persuasive Writing**

**Equivalents:** KWB103, KWB315

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-1 (INT)

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.

**KVP116 Creative Non-Fiction**

**Equivalents:** KWB107, KWB381

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-1 (INT)

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.
KWB207 Great Books: Creative Writing Classics

Anti-requisites: KWP407
Equivalents: KWB301
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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 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.

KWB208 Modern Times (Literature and Culture in the 20th Century)

Equivalents: KWB003, KWB321
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

KWB209 Shakespeare, Then and Now

Equivalents: KWB004, KWB729
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This unit is designed to introduce students to Shakespearean studies and the ongoing cultural importance of Shakespearean material.

KWB210 Imagining the Americas: Contemporary American Literature and Culture

Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

KWB211 Stylistics

Equivalents: KWB370, KWB201
Credit Points: 12

KWB212 Writing Poetry

Pre-requisites: Completion of 96cp of Creative and Professional Writing discipline units (KWB% units)
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

The unit covers one of the major genres in creative writing, and is designed for those who are interested in language and the use of words in precise, innovative, concentrated and musical ways. It would also be useful to lyricists. The unit provides important creative and critical skills in writing verse and cultivating an understanding and appreciation of poetry and occurs at the mid-point of the creative writing major, building on KWB211 Stylistics and preparing students for the advanced work of third year.

KWB213 Corporate Writing and Editing

Anti-requisites: KWP405
Equivalents: KWB106, KWB314
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

This unit deals with both the fundamentals of language (grammar, punctuation, style) and the dominant corporate writing genres (manuals, report, speeches, brochures).

KWB232 Creative Writing Advanced Practice 1

Equivalents: KWB331, KWB305, KWB396
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

KWB233 Corporate Writing and Editing

Equivalents: KWB005, KWB724
Credit Points: 12
Campus: Kelvin Grove

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 piece of work 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.

KWB302 Novel and Genre

Anti-requisites: KWP103, KWP400
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

KWB303 Writing and Publishing Industry

Equivalents: KWB399
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

This unit provides an introduction to the function and structure of the writing and publishing industry.

KWB306 Creative Writing Project 1

Equivalents: KWB205, KWB395
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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 in print or electronic journals. Your final submission is written after familiarisation with industry demands, niches and marketing possibilities.

KWB308 Wonderlands: Literature and Culture in the 19th Century

Equivalents: KWB005, KWB724
Credit Points: 12
Campus: Kelvin Grove
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 published in 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.

**KW310 Editing and Developing the Manuscript**

- **Pre-requisites**: KWP104, KWP404
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**KW311 Popular Fictions, Popular Culture**

- **Equivalents**: KW060, KW309, KW725
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

The unit is designed to provide you with skills in understanding popular culture. 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.

**KW313 Novel and Memoir**

- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

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, including 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 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.

**KW332 Creative Writing Advanced Practice 2**

- **Pre-requisites**: KW331 or KW232
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

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 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.

**KW333 Creative Writing Advanced Practice 3**

- **Pre-requisites**: KW332
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

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-commissioned, sustained work of fiction in the genre 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 – including contemporary writing and publishing industry issues. 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.

**KW402 Persuasive Writing**

- **Equivalents**: KWP315
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**KWP404 Editing and Developing the Manuscript**

- **Pre-requisites**: KWB304
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**KWP405 Corporate Writing and Editing**

- **Pre-requisites**: KWP213, KWP306, KWB314
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

This unit deals with both the fundamentals of language (grammar, punctuation, style) and the dominant corporate writing genres (manuals, reports, speeches, brochures).

**KWP407 Great Books: the Literary Classics**

- **Pre-requisites**: KWP207, KWB301
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

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 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.

**KWP410 Narrative: Advanced Practice**

- **Pre-requisites**: KWB6MJ-JCRWRTG - Creative Writing Major
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT)

The novel represents one of the most pervasive, complex and culturally important literary forms. This
### Units

**KWP411 Advanced Creative Writing Workshop**

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Creative Writing Workshop is a postgraduate creative writing unit focused on critiquing, editing and refining creative works and critical essays in progress from a practitioner’s perspective. You will read, discuss and critique the creative and critical works of their peers, under the guidance and mentorship of the course convenor. You will also partake in writing exercises and discuss elements of craft and technique germane to your creative practice.

**KWP412 Contemporary Practice in Professional Communication**

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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.

**KWP415 Theory and Practice in Creative Writing and Literary Studies**

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This unit is specifically designed for those students doing Honours in either Creative Writing or Literary Studies. It aims to acquaint you with theories relevant to your selected research project(s) and help you develop practical, professional, critical and analytical skills relevant to these.

**KWP420 Transmedia Storytelling: From Interviewing to Multi-Platform**

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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

**KWP410 Introduction to Entertainment**

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<th>Credit Points</th>
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<th>Kelvin Grove and Caboolture</th>
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The entertainment economy is projected to generate $2.15 trillion globally, $632 billion in the USA and $22.6 billion in Australia by the end of 2017 (PWC, 2013). The major sub-industries of the entertainment economy include motion pictures, television, music, theme and amusement parks, video games, sports, theatre, casinos, books and cruise shipping. In KWP411 Introduction to Entertainment you will learn about the nature of entertainment and how the entertainment economy operates. This unit will focus on understanding entertainment content, audiences, and producing.

**KWP102 Global Entertainment**

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<th>Kelvin Grove and Caboolture</th>
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Entertainment and entertainment industries are a global phenomenon. In this unit you will learn about the trends and issues that are shaping entertainment around the globe. In addition, it is important to understand the important genres of entertainment such as television, theme parks, sport entertainment, cruise shipping, gaming and music and how they are influenced by different cultures around the world.

**KWP201 Entertainment Practice: Balancing Creativity and Business**

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In order to work in the entertainment industries you need to understand how creativity and business can work together to implement each other. Successful entertainment industry professionals know how creative processes and projects work, as well as how businesses work; they combine and balance the two to produce effective entertainment. This unit aims to equip you with this ability to combine understandings of entertainment industries and business in the context of the entertainment industries. In practical terms, this unit aims to provide you with an understanding of the different stages of the entrepreneurial process in the particular context of the Entertainment Industries.

**KWP202 Project Management for Entertainment**

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The aim of this unit is to provide you with the skills to oversee the production of an entertainment project by providing you with a mid-course level understanding of, and ability to employ, project management skills for entertainment.

**KXP301 Entertainment Industries Map**

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Industry networks are of key importance in Entertainment. In this unit you will extend and apply your critical knowledge of entertainment industries to the ‘real-world’ task of creating and updating an online directory of entertainment industries. The online directory will be a public product.

**KXP302 Entertainment Project 1: Preproduction**

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The aim of this unit is to enable you to take responsibility at an advanced level as part of a group for the delivery of a real world entertainment project. The advanced experience and skills gained from this project build upon the skills and knowledge developed in your course, and are designed to contribute towards your increased confidence as a professional producer in the Entertainment Industries.

**KXP303 Entertainment Project 2: Production**

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The aim of this unit is to enable you to take responsibility at an advanced level as part of a group for the delivery of a real world entertainment project. The advanced experience and skills gained from this project build upon the skills and knowledge developed in your course, and are designed to contribute towards your increased confidence as a professional producer in the Entertainment Industries.

**KXP406 Creative Industries: Events and Festivals**

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A university for the real world®
Combination of a practical and theoretical investigation into how strategy and mission work in arts agencies in arts, events, promotion and public relations in Australia.

**KXP408 Marketing Arts and Culture**

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<tr>
<th>Equivalents</th>
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<td>Campus</td>
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<td>Teaching Periods</td>
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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.

**KXP414 Arts and Cultural Policy**

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<th>Equivalents</th>
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In this unit, you will consider arts and creative industries policy initiatives in Australia, at Federal, state and local government levels, and internationally. You will examine the way in which policy impacts on the work of creative producers, arts managers, and members of arts boards, and the role the arts manager plays in issues of governance, planning, advocacy, and accountability.

**KXP409 Arts and Cultural Management**

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<th>Equivalents</th>
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This unit provides students of arts and cultural management with an investigation and analysis of the management function of the not-for-profit arts organisation. It examines the strategic management approaches and operational procedures of arts organisations, including their relationships with the legal system, the media, business, the public, and the industrial provisions and human resources of the organisation.

**KXP411 Advanced Practice in Creative Production and Arts Management**

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<tr>
<th>Pre-requisites</th>
<th>KKP6MJR-CPARTMG - Creative Production and Arts Management Major</th>
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<tr>
<td>Equivalents</td>
<td>KTP411</td>
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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.

**KXP413 Managing Money in the Arts**

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<th>Equivalents</th>
<th>GSN225, KKP402, KTP413</th>
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Arts managers, event managers and creative producers play a critical role in taking great ideas to market. In this unit, you will examine the entrepreneurial strategies arts leaders use to implement their ideas in the current policy and economic climate. You will consider the role of corporate development, fundraising, grants, sponsorship and philanthropy.

**LCB002 Child and Adolescent Development and Learning**

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This unit develops your knowledge of child development and learning. It is aimed at developing an understanding of both in relation to the Primary and Secondary school contexts. This unit links the theoretical base of child development and learning to the practical application of both to teaching. This unit requires you to participate in all the related topics and to support your fellow students in presenting these topics for assessment and discussion. This subject will serve as a basis for future work in Creating Positive Learning Environments.

**LCB003 Education and Society 1**

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</table>

Education and Society 1 begins the process of introducing students to the complex relationship between our education system, and the social and cultural contexts from which it emerges. Students will use socio-cultural theory to better understand those they will come to teach, as well as how their pupils’ diverse backgrounds shape their experiences with the modern school often in very different ways. This introductory unit challenges students in the early stages of their course to develop a sound fundamental knowledge of such factors as socio-economic circumstances, gender and ethnicity, contemporary culture, and social governance, and their various impacts upon education, so that they may respond to these issues in an informed, ethical and professional manner.

**LCB302 Studies in Language**

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<td>2014 SEM-1 (INT)</td>
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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 classroom interaction; the educational implications of linguistic diversity within the community; sociocultural variables, including gender and class, and their impact on language use; an introduction to traditional and functional grammar.

**LCB321 Writing Workshop**

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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.

**LCB322 Literature in Secondary Teaching**

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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.

**LCB323 Teaching Adolescent Literature**

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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.

**LCB324 Teaching English as an Additional Language**

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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.
LCB325 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.

LCB326 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.

LCB327 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.

LCB328 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). It also addresses methods of managing associated disabling conditions, the implementation and evaluation of programming, and the support and referral services.

LCB329 Movies and Popular Culture

This unit aims to equip students with an understanding of key concepts in socio-cultural theory and to increase their knowledge of the corpus of fictional film and television narrative. It also aims to provide students with the tools to critically analyse the way in which fictional film and television as cultural products, both perpetuate and help to shape ways of thinking and acting in the social and physical world and in institutions such as schools.

LCB330 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.

LCB331 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.

LCB332 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.

LCB333 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.

LCB334 Teaching Strategies

This unit includes: evaluation of the students' teaching strategies; the literature on teaching strategies; critical evaluation of strategies/models of teaching available.

LCB335 Classroom Assessment Practices

This unit includes: evaluation of the students' teaching strategies; the literature on teaching strategies; critical evaluation of strategies/models of teaching available.

LCB336 Middle Years Curriculum, Pedagogy and Assessment

This unit introduces pre-service primary students to the emerging curriculum, pedagogy and assessment approaches within Junior Secondary contexts. It explores the alignment between the established middle years literature and Junior Secondary in a Queensland context. This unit establishes an understanding of various Junior Secondary students experiences of schooling and how teachers can respond to this range of learning needs through curriculum, pedagogy and assessment.

LCB337 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.

LCB338 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.

LCB339 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 the documents that impact on planning for ESL teaching and learning eg ESL Framework of Stages and NLLIA ESL Bandscales.

LCB901 English as a Second Language 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.

LCB902 English as a Second Language 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.

LCB903 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.

LCB904 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.

LCB905 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.

LCB907 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.

LCN600 Connected Learning

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
LCN606 Second Language Assessment

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This unit introduces the theories and practices in second language assessment. It examines and evaluates both classroom based assessment tasks and standardised tests used to assess the proficiency of second language speakers.

LCN607 Personalised Language Development

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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.

LCN608 Technology and Second Language Learning

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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.

LCN609 Language and Culture

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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.

LCN610 Principles of English as a Foreign Language (EFL) Methodology

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This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/; CRICOS No.00213J
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/.

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.

LCN620 Psychoeducational Assessment

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.

LCN624 Leading and Managing People

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.

LCN625 Developmental and Educational Assessment

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.

LCN626 Interventions in Educational and Developmental Psychology

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.

LCN627 Learning Difficulties: Assessment and Intervention

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.

LCN628 Developmental Processes and Disability

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.

LCN622 Career Counselling

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.

LCN629 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.

LCN630 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.

LCN631 Strategic Management

Since 2000, there have been increasing demands from statutory bodies and other stakeholders for all organisations, 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.
LCN632 Understanding Reading and Writing Difficulties

Pre-requisites: SPN614
Equivalents: SPN647
Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-2 (INT, EXT)

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.

LCN633 School Guidance and Counselling Practicum

Pre-requisites: (LCN636 or SPN651) and (LCN619 or SPN611), LCN619 and LCN636 can be studied in the same teaching period as LCN633
Equivalents: SPN648
Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (EXT); 2014 SEM-2 (EXT)

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.

LCN634 Supporting Students with Social, Emotional and Behavioural Needs

Equivalents: SPN649
Credit Points: 12
Campus: External
Teaching Periods: 2014 SEM-2 (EXT)

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.

LCN635 Supporting Students with an Autistic Spectrum Disorder

Equivalents: SPN650
Credit Points: 12
Campus: External
Teaching Periods: 2014 SEM-1 (EXT)

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.

LCN636 Introductory Educational Counselling

Pre-requisites: LCB331, SPB006
Equivalents: SPN651
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (BLK); 2014 1TSP1 (BLK)

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.

LCN637 Career Development: Policy and Process Context

Equivalents: SPN654
Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (EXT); 2014 SEM-2 (EXT)

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).

LCN638 Theory and Practice of Second Language Teaching and Learning

Pre-requisites: LCP411
Equivalents: CLP410
Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-2 (EXT, INT)

This unit focuses on the theory and practice of second language teaching and learning. It introduces you to foundational concepts and second language teaching approaches, methods and techniques. It links to work undertaken in LCN612 Sociolinguistics; LCN606 Second language assessment; LCN604 Second language curriculum design; and LCN614 Grammar for second language teaching.

LCP400 Languages Education Curriculum Studies 1

Equivalents: CLP411
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

LCP401 Languages Education Curriculum Studies 2

Pre-requisites: LCP400 or CLP411
Equivalents: CLP412
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

LCP402 Languages Education Curriculum Studies 3

Pre-requisites: LCP400 or CLP411
Equivalents: CLP413
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

LCP410 Classroom and Behaviour Management

Pre-requisites: LCP400 or CLP411
Equivalents: SPP400
Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (INT, EXT)

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.

LCP411 Classroom Assessment Practices

Equivalents: SPP401
Credit Points: 12
Campus: null

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.
LLB104 Law in Context
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (EXT, INT)

Law in Context provides an overview of the philosophical, cultural, social, economic and global contexts in which the Australian legal system operates, and the role of lawyers in a dynamic and changing world. This unit gives particular emphasis to the impact of the Australian legal system on Australia's first peoples, and introduces students to Aboriginal and Torres Strait Islander legal knowledges and perspectives of law.

LLB441 Commercial Contracts in Practice
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-2 (EXT, INT)

This elective unit provides an opportunity for students to study the interaction of common law principles of contract law, equity and property law and the impact of statute in the context of several common commercial transactions. Students will examine key aspects of contracts such as risk allocation, performance, dispositions, and dispute resolution in the context of commercial sales, leases and share sales. A case study approach will be used to expose students to practical issues related to the negotiation, drafting and interpretation of common clauses within these agreements.

LLB442 Legal Clinic (Advanced)
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

In this unit students are provided with the opportunity to see law in action through participation in a legal clinic or a community project. Students work in their placement is supplemented with a seminar program that deals with such topics as cultural competency, dispute resolution and ethics. Entry to this unit is via a successful application only.

LPP112 Work Skills
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 6TP4 (EXT, INT), 2014 6TP1 (EXT, INT), 2014 6TP2 (EXT)

The Law Admissions Consultative Committee considers that an entry level lawyer should be able to demonstrate competence in ethical understanding and knowledge of solicitors’ trust accounting and file and risk management at the level required for admission as a legal practitioner in Australia.

LPP113 Civil Litigation
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 6TP5 (INT, EXT), 2014 6TP3 (EXT), 2014 6TP1 (EXT), 2014 6TP2 (INT, EXT)

The Law Admissions Consultative Committee considers that an entry level lawyer should be able to demonstrate competence in civil litigation at the level required for admission as a legal practitioner in Australia.

LPP114 Commercial
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 6TP5 (EXT, INT), 2014 6TP4 (EXT, INT), 2014 6TP2 (INT, EXT)

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.

LPP115 Property
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 6TP5 (INT, EXT), 2014 6TP3 (EXT), 2014 6TP1 (EXT), 2014 6TP2 (INT, EXT)

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.

LPP116 Electives
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 6TP5 (EXT, INT), 2014 6TP4 (EXT, INT), 2014 6TP2 (INT, EXT)

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.

### LPP117 Interaction
- **Anti-requisites**: LPP217
- **Credit Points**: 12
- **Campus**: Gardens Point and External
- **Teaching Periods**: 2014 6TP5 (INT), 2014 6TP3 (EXT), 2014 6TP1 (EXT); 2014 6TP2 (EXT, INT)

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.

### LPP118 Placement
- **Anti-requisites**: LPP218
- **Credit Points**: 12
- **Campus**: Gardens Point and External
- **Teaching Periods**: 2014 6TP4 (EXT), 2014 6TP2 (EXT)

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.

### LPZ111 Lawyers' Skills
- **Anti-requisites**: LPP111
- **Credit Points**: 12
- **Campus**: Gardens Point and External
- **Teaching Periods**: 2014 6TP4 (EXT), 2014 6TP1 (EXT); 2014 6TP2 (EXT)

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.

### LPZ112 Work Skills
- **Anti-requisites**: LPP112
- **Credit Points**: 12
- **Campus**: Gardens Point and External
- **Teaching Periods**: 2014 6TP4 (EXT), 2014 6TP1 (EXT); 2014 6TP2 (EXT)

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.

### LPZ113 Civil Litigation
- **Anti-requisites**: LPP113
- **Credit Points**: 12
- **Campus**: Gardens Point and External
- **Teaching Periods**: 2014 6TP3 (EXT); 2014 6TP2 (EXT)

The Law Admissions Consultative Committee considers that an entry level lawyer should be able to demonstrate competence in civil litigation at the level required for admission as a legal practitioner in Australia.

### LPZ114 Commercial
- **Anti-requisites**: LPP114
- **Credit Points**: 12
- **Campus**: Gardens Point and External
- **Teaching Periods**: 2014 6TP5 (EXT); 2014 6TP4 (EXT)

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.

### LPZ115 Property
- **Anti-requisites**: LPP115
- **Credit Points**: 12
- **Campus**: Gardens Point and External
- **Teaching Periods**: 2014 6TP5 (EXT); 2014 6TP2 (EXT)

The Law Admissions Consultative Committee considers that an 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.

### LPZ116 Electives
- **Anti-requisites**: LPP116
- **Credit Points**: 12
- **Campus**: Gardens Point and External
- **Teaching Periods**: 2014 6TP4 (EXT)

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.

### LQ8181 Introduction to Medical Laboratory Science
- **Anti-requisites**: LSB480
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

Medical laboratory scientists have a vital role in the diagnosis of disease and ongoing management of patient care. It is estimated that 70% of all medical treatments are based on a pathology diagnosis. This first year unit introduces you to the clinical practice of diagnostic pathology, the role of medical laboratory scientists in healthcare, medical research and profession of medical laboratory science in a local, national and international context. Foundation knowledge in the core diagnostic pathology disciplines will be introduced in a series of clinical case studies and scenarios in conjunction with basic practical bench-skills required in the laboratory to prepare you for later units of your course.

### LQ8182 Cell & Molecular Biology
- **Anti-requisites**: SCB122
- **Credit Points**: 12
- **Campus**: null

Cell and Molecular Biology equips you with a comprehensive understanding of the molecular structure and function of the cell. This unit introduces the basic principles and concepts of cell structure, function, specialisation, maintenance and replication, and introduces you to fundamental molecular mechanisms important to the organisation of the cell. You will be shown how macromolecular interactions are crucial to information flow and heredity. You are taught the relationships between chromosomes, genes and cellular function and ultimately how these may determine an organism's phenotype.

### LQ8183 Human Systematic Anatomy
- **Anti-requisites**: LSB131, LSB255
- **Credit Points**: 12
This unit concentrates on the acquisition and application of appropriate anatomical terminology, understanding of basic tissue structure and a detailed understanding of the major anatomical concepts of each of the organ systems within the human body. A focus on language development will underpin the learning in this unit, where you will develop the ability to communicate medical cases effectively to a range of audiences.

**LQB184 Biomedical Skills 1**

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This unit aims to develop an appreciation and understanding of the role of biomedical scientists in a range of research and clinical fields; develop a basic understanding of academic honesty and ethics related to biomedical science; introduce you to academic and professional skills that provide an important basis for the study of the discipline and for working in the profession, including scientific reading and writing skills, communication and presentation skills, experimental design, critical thinking and critical evaluation; and provide an introduction to quantitative measurements and basic practical laboratory skills and competencies required by biomedical scientists.

**LQB281 Human Health & Disease Concepts**

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This unit develops an understanding of the causes and pathogenesis of human diseases including those of a genetic, microbial, immunologic and traumatic aetiology. Students are introduced to the language and terminology used within the discipline and are provided opportunities to understand and apply the way in which pathology is measured, diagnosed and treated.

**LQB284 Biomedical Skills 2**

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This unit aims to extend your knowledge and skills around scientific communication, data analysis and interpretation through sophisticated statistical methodology, as well as continue the development of effective interpersonal skills. The unit will help develop a range of academic and professional skills that are required for all biomedical scientists by extending and applying biostatistics approaches to a practical project. The unit also develops teamwork skills through collaborative work approaches to projects and presentations.

**LQB301 Medical Microbiology and Infection Control**

| Anti-requisites | LQB362, LQB386, LSB492 |
| Credit Points   | 12                     |
| Campus          | Gardens Point          |

This foundation unit builds upon your fundamental knowledge of the human body and explores the role of microorganisms on human health. In this unit, you will (i) explore the diversity of microorganisms found in the human body; (ii) examine the relationship between infection and disease through the different organ systems of the human body; and (iii) study the mechanisms by which the human body naturally controls infections but also how we can use antimicrobials and a range of infection control procedures to reduce the threat of infectious diseases. This knowledge and understanding will then be further developed and applied in your subsequent clinical studies in your chosen health care profession discipline.

**LQB362 Microbiology: Principles and Practice**

| Pre-requisites | LQB281 or BVB101 |
| Anti-requisites | LQB301 |
| Credit Points   | 12                     |
| Campus          | Gardens Point          |
| Teaching Periods | 2014 SEM-1 (INT) |

This unit provides foundation knowledge and understanding of human infectious disease microbiology and topics including the spectrum of disease, diagnosis, aetiology, treatment, prevention, control and epidemiology. You will also learn about the laboratory processing of patient specimens with infectious diseases and how to work safely, competently and skillfully in a PC2 diagnostic laboratory context.

**LQB363 Biochemistry**

| Pre-requisites | PGB105 or (SCB121 and SCB122) or (SCB111 and SCB121) or SCB113 or (CVB101 & CVB102) or C2B190 or LQB180 |
| Anti-requisites | LSB325 |
| Credit Points   | 12                     |
| Campus          | Gardens Point          |
| Teaching Periods | 2014 SEM-1 (INT) |

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 organs systems in health and disease, as a preparation for their clinical studies.

**LQB364 Infectious Diseases: Principles and Practice**

| Credit Points | 12                     |
| Campus        | null                   |

**LQB381 Biochemistry**

| Pre-requisites | LQB184 or (SCB121 & SCB122) |
| Anti-requisites | LSB325 |
| Credit Points   | 12                     |
| Campus          | Gardens Point          |
| Teaching Periods | 2014 SEM-1 (INT) |

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 organs systems in health and disease, as a preparation for their clinical studies.

**LQB382 Developmental Anatomy and Tissue Adaptation**

| Pre-requisites | LQB183 or LSB285 or LSB182 |
| Anti-requisites | HMB274 |
| Credit Points   | 12                     |
| Campus          | Gardens Point          |
| Teaching Periods | 2014 SEM-1 (INT) |

The human body is very responsive to its environment, both in terms of genetic cues during embryological development and hormonal and mechanical signals during post-natal ageing. This unit will explore a number of key embryological processes where tissue patterning results in the formation of body cavities and the nervous, muscular, skeletal and cardiovascular organ systems. This will provide an understanding. Furthermore the ability of tissues to adapt to their environment will be discussed through development of an understanding of tissue biomechanics and the effects of trauma and ageing on the human body. Concepts including strength determinants and the effects of loading and disuse will be explored.

**LQB383 Molecular and Cellular Regulation**

| Pre-requisites | SCB122 or LSB238 |
| Anti-requisites | LSB338 |
| Credit Points   | 12                     |
| Campus          | null                   |

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.

**LQB384 Infectious Diseases: Principles and Practice**

| Credit Points | 12                     |
| Campus        | null                   |

**LQB385 Molecular Biology and Bioinformatics**

| Pre-requisites | LQB182 or (SCB121 and SCB122) |
| Credit Points   | 12                     |
| Campus          | Gardens Point          |
| Teaching Periods | 2014 SEM-1 (INT) |

Modern biology is concerned with unravelling and manipulating the genetic information stored in a cell's DNA to understand human health and treat disease. This information and technologies underpin the medical advances that span disease diagnostics, vaccines, drugs, forensics, biomaterials, foodstuffs, environmental rehabilitation and even bioterrorism. This unit provides an introduction to the approaches of interrogating genome sequence data and simple genetic engineering technologies used to manipulate DNA sequences.

**LQB386 Microbial Structure and Function**

| Pre-requisites | PGB105 or (SCB121 and SCB122) |
| Anti-requisites | LSB328, LQB301 |
| Credit Points   | 12                     |
| Campus          | null                   |

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.

LQB387 Principles of Immunology

Pre-requisites: LQB281 and LSB250

Anti-requisites: LSB438, LSB535

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT)

Immunology is the study of the physiological systems used to defend the body from invasion by foreign organisms and the pathologies associated with inappropriate immune responses. This unit is in the course to provide you with knowledge relating to the immune system and application of basic immunological procedures in the laboratory. It assumes knowledge from previous semesters and will provide you with critical foundation knowledge for studies in subsequent semesters.

LQB388 Medical Physiology 1

Pre-requisites: LSB258 or LSB111 or LSB131 or LSB142 or LSB255 or SCB120

Anti-requisites: LSB358

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT)

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.

LQB389 Regional and Sectional Anatomy for Radiation Therapy

Pre-requisites: LSB142

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

The aims of this unit are to apply accurate anatomical language to identify and describe macroscopic structures of the human body using regional and sectional anatomy approaches, and develop skills in anatomical communication, teamwork and self-management.

LQB390 Regional and Sectional Anatomy for Medical Imaging

Pre-requisites: LSB142

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

The aims of this unit are to apply accurate anatomical language to identify and describe macroscopic structures of the human body using regional and sectional anatomy approaches, and develop skills in anatomical communication, teamwork and self-management.

LQB400 Clinical Physiology and Pathophysiology

Pre-requisites: LQB281 and LQB388 and LQB488.

LQB448 can be studied in the same teaching period as LQB440

Anti-requisites: LSB8658

Credit Points: 12

Campus: null

- LQB442 Biomedical Diagnostics

Pre-requisites: LQB362

Anti-requisites: LSB435

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-2 (INT)

Medical microbiology involves research into human infectious diseases from multiple viewpoints, including: spectrum of disease, diagnosis, aetiology, treatment, prevention, control and epidemiology. An integral part of the practice of medical microbiology is laboratory processing of specimens derived from patients with infectious diseases. Ultimately you will need to have both a comprehensive and in-depth knowledge and understanding of theoretical concepts in infectious disease microbiology and be able to apply that knowledge and understanding safely, competently and skillfully in a PC2 diagnostic laboratory context. Such obligatory graduate attributes need to be constructed and refined in a stepwise progression. LQB442 is designed to provide you with a more focussed and in-depth knowledge and understanding of theoretical concepts in medical microbiology and for you to be able to apply that knowledge and understanding in a PC2 diagnostic laboratory context.

LQB441 Biochemical Pathways and Metabolism

Pre-requisites: LQB381 or LSB308

Anti-requisites: LSB275, LSB325, LSB408

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-2 (INT)

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.

LQB442 Anatomical Imaging

Pre-requisites: LQB183 or LSB131 or LSB255 or LSB182

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-2 (INT)

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. This unit will provide you with an understanding of clinically important viruses, and will commence your training in diagnostic parasitology.

LQB487 Infectious Diseases: Pathogen Biology
Pre-requisites LQB384
Credit Points 12
Campus null

LQB488 Medical Physiology 2
Pre-requisites LQB388, LSB458
Credit Points 12
Campus Gardens Point
Teaching Periods 2014 SEM-2 (INT)

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. If 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.

LQB489 Plant Physiology and Cell Biology
Pre-requisites SCB120 or SCB122 or NRB270 or LSB238
Anti-requisites LSB397, LSB497
Credit Points 12
Campus null

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 fundamentals of plant physiology, biochemistry and molecular biology in such a way that enables 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.

LQB490 Cytogenetic and Molecular Pathology
Pre-requisites (LQB325 or LQB381) and LQB365
Credit Points 12
Campus Gardens Point
Teaching Periods 2014 SEM-2 (INT)

This unit will provide you with fundamental knowledge and technical skills to prepare you for your career as a medical scientist. This unit will introduce you to the role of genetic testing in pathology, which is becoming increasingly important in a number of pathology disciplines, and is thus an area of growth and increasingly a potential graduate employment destination. This unit will develop concepts and laboratory skills fundamental to the understanding and application of the techniques applied across the various pathology disciplines.

LQB494 Pathogen Biology and Pathogenesis
Pre-requisites LQB362
Credit Points 12
Campus Gardens Point

This unit will provide you with a fundamental understanding of the structural, molecular, and metabolic components of microorganisms and how they are regulated. Specifically, upon completing this unit you will be able to: 1. recognise and describe the structural components of microbes, 2. the molecular assembly processes involved in building these components, 3. the growth and metabolic processes of different microbes, and 4. the means of regulation of all of these factors.

LQB501 Clinical Physiology Professional Internship
Pre-requisites LQB388 and LQB488
Anti-requisites LQB502, LQB503, SCB111
Credit Points 36
Campus Gardens Point
Teaching Periods 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

Clinical physiologists (Clinical Measurements Scientists) are allied health professionals that perform clinical measurement investigations and support the care of patients in the health system. This field of employment is rapidly growing as the Australian population ages. Clinical Physiologists work in multidisciplinary teams in a number of disciplines including: cardiac sciences, neurophysiology, respiratory sciences and sleep science. In order to gain the range of skills required for employment in Clinical physiology, it is critical that you acquire experience working and learning in the field. Through work-integrated learning you will gain an understanding of the profession, and develop and demonstrate competence in a range of skills, including physiological instrumentation and the measurement, recording, interpretation and reporting of clinical data, quality control, and health and safety. You will interact with patients and other professionals in the field, develop and apply your communication skills, demonstrate professional and ethical practice and ensure patient confidentiality and privacy. This 36 credit point work-integrated learning unit (which is equivalent to a minimum of 400 hours) is completed in the final year of your course and complements the Human Physiology Study Area A in the Bachelor of Biomedical Science. Acceptance into this unit will be competitive.

LQB502 Biomedical Work Integrated Learning A
Anti-requisites LQB501, LQB504-1, LQB504-2, LQB504-3
Other requisites Course Coordinator approval required to enrol in this unit
Credit Points 12
Campus Gardens Point

This unit will provide you with the opportunity to gain industry-based experience through a supervised work placement. Within the workplace (normally a minimum of 120 hours [equivalent to 3 weeks full-time] and maximum of 240 hours) you will apply knowledge and skills developed during your course of study. Practising workplace related skills such as team work, ethical behaviour, safe workplace practices and reflective practice as well as building on your industry networks will support you in your transition to professional practice. Your placement should be relevant to your course of study and must be approved by your academic supervisor before you commence. The learning in this unit can be extended into a second unit LQB503.

LQB503 Biomedical Work Integrated Learning B
Anti-requisites LQB501, LQB504-1, LQB504-2, LQB504-3
Other requisites Course Coordinator approval required to enrol in this unit
Credit Points 12
Campus Gardens Point
Teaching Periods 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

This unit provides you with the opportunity to extend industry-based experience through a supervised work placement. Within the workplace (normally a minimum of 120 hours [equivalent to 3 weeks full-time] and maximum of 240 hours) you will apply knowledge and skills developed during your course of study. Practising workplace related skills such as team work, ethical behaviour, safe workplace practices and reflective practice as well as building on your industry networks will support you in your transition to professional practice. Your placement should be relevant to your course of study and must be approved by your academic supervisor before you commence. This unit extends your learning from LQB502.

LQB504 Advanced Microbial Diagnostics
Pre-requisites LQB462
Credit Points 12
Campus Gardens Point
Teaching Periods 2014 SEM-1 (INT)

LQB571 Functional Biochemistry
Pre-requisites LQB481
Anti-requisites LSB508
Credit Points 12
Campus Gardens Point
Teaching Periods 2014 SEM-1 (INT)

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.
emphasis on achieving technical expertise in plant genetic manipulation and control of gene expression.

**LQB583 Genetic Research Technology**

- **Pre-requisites**: LQB385 or LQB483
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**LQB584 Medical Cell Biology**

- **Pre-requisites**: LQB383 or LQB338
- **Anti-requisites**: LSB449, LSB503, LSN584
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

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.

**LQB585 Plant Genetic Manipulation**

- **Pre-requisites**: LQB483 or LSB468
- **Anti-requisites**: LSB577
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

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

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.00213J
Employment in a diagnostic cytopathology laboratory and introduces the types of specimens reported, methods of processing applied and the cytological features used to diagnose tumours and benign conditions.

**LQB684 Medical Biotechnology**

- **Pre-requisites:** LQB385 and LQB485
- **Anti-requisites:** None
- **Equivalents:** None
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

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 implications 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.

**LQB687 Applied Microbiology 2: Food and Quality Assurance**

- **Pre-requisites:** LQB386 or LQB328
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

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 in food microbiology and fundamental quality assurance principles suitable for application in food and other (bio)technology-based industries.

**LQB690 Anatomical Dissection**

- **Pre-requisites:** LQB482 and LSB505
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

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.

**LQB685 Plant Microbe Interactions**

- **Pre-requisites:** LSB483 or LSB485
- **Anti-requisites:** LSB578
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

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, (iv) extend your knowledge of molecular subtyping methods, genomics, manipulation of bacterial genes, antibiotics, human immunology and vaccines, and (v) write a research report in the format of a journal article.

**LQB691 Understanding Disease Concepts**

- **Pre-requisites:** LSB321, LSB365, LSB365, LSB475
- **Credit Points:** 12
- **Campus:** Caboolture and Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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, 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.

**LSB112 Understanding Disease Physiology**

- **Pre-requisites:** LSB363, LSB365, LSB365
- **Credit Points:** 12
- **Campus:** Caboolture and Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**LSB131 Anatomy**

- **Pre-requisites:** LSB183, LSB255
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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.

**LSB142 Human Anatomy and Physiology**

- **Pre-requisites:** LSB131, LSB182, LSB258
- **Credit Points:** 12
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SEM-1 (INT)

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.

**LSB182 Bioscience 1**

- **Pre-requisites:** LSB131, LSB142
- **Credit Points:** 12
- **Campus:** Caboolture and Kelvin Grove
- **Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**LSB231 Physiology**

- **Pre-requisites:** LSB245
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

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.

**LSB235 Anatomy of the Lower Limb**

- **Pre-requisites:** LSB131
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

Clinical practice in Podiatry requires a detailed understanding and knowledge of the systemic and regional anatomy of the lower limb. This unit introduces you to the theoretical and practical concepts of these two areas of anatomy. It builds on LSB131 and prepares you for your clinical studies.

**LSB250 Human Physiology**

- **Pre-requisites:** SCB112 or LSB118 or LSB131 or LSB182 or LSB142
- **Anti-requisites:** LSB231
- **Credit Points:** 12
- **Campus:** Gardens Point
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 form 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.

**LSB255 Foundations of Anatomy and Histology**

**Campus**
- Caboolture and Kelvin Grove

**Teaching Periods**
- 2014 SEM-2 (INT)

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.

**Pre-requisites**
- LSB121 or LQB182

**Credit Points**
- 12

**Anti-requisites**
- null

**Campus**
- Caboolture and Kelvin Grove

**Teaching Periods**
- 2014 SEM-2 (INT)

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.

**Pre-requisites**
- SCB121 or SCB113 or PGB105

**Credit Points**
- 12

**Campus**
- null

**Teaching Periods**
- 2014 SEM-1 (INT)

The aim of this unit is to introduce you to the study of disease processes underlying the major diseases of human organ systems. The first part of the unit will introduce you to aspects of general pathology, including cell adaptation, inflammation, immune disorders, infectious diseases and cancer. Systemic pathology will be covered in the second part of the unit during which the general pathologic processes will be applied to the major organ systems of the body. In addition, you will expand and further develop your understanding of how they relate to laboratory investigation and diagnosis of disease.

**Pre-requisites**
- (LQB281 and LSB255 and LSB250) or (LQB281 and LSB183 and LSB258)

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-1 (INT)

The aims of the course are to provide you with a clear understanding of the pathophysiological processes resulting in altered health and disease states; develop your understanding of the aetiological agents of infectious disease and the effects of infection on the body; and enable you to apply strategies to control infections.

**Pre-requisites**
- LSB111 or LSB282 or LSB382 (NS40) or (LSB475 or CSB520 (CP45) or LSB281 (CS43)) or (LSB235 and LSB250 (PU43 Podiatry))

**Credit Points**
- 12

**Campus**
- Caboolture and Kelvin Grove

**Teaching Periods**
- 2014 SEM-1 (INT); 2014 SEM-2 (INT)

Medical laboratory scientists play a vital role in patient care. Pathology test results are used for diagnosis of disease, treatment decisions, monitoring and prognosis and screening and it is important that the results are the ‘right’ result for the patients concerned. With an emphasis on the discipline of clinical biochemistry, this second year unit explores the major analytical techniques used in the pathology laboratory and the quality assurance practices that are in place in real world laboratories to ensure the accuracy and precision of the patients’ results. This unit prepares students for the specialised clinical biochemistry units undertaken in third year.

**Pre-requisites**
- LSB386 and LSB250

**Credit Points**
- 12

**Campus**
- null

**Teaching Periods**
- 2014 SEM-2 (INT)

Immunology is the study of the physiological systems used to defend the body from invasion by foreign organisms and the pathogens associated with inappropriate immune responses. In this unit, you will gain knowledge relating to the immune system and application of basic immunological procedures in the laboratory. The unit presents the mechanisms of the immune process including the nature of antigens, antibodies, complement, antigen-antibody reactions, antibody formation, antigen processing, control of the humoral and cell mediated immune responses and immunisation against infections.

**Pre-requisites**
- LSB365 and SCB113 and LSB255

**Credit Points**
- null

**Campus**
- null

**Teaching Periods**
- 2014 SEM-1; 2014 SEM-2

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.

**Pre-requisites**
- LSB365 and (CVB101 or PGB105)

**Anti-requisites**
- LQB465

**Teaching Periods**
- 2014 SEM-1 (INT); 2014 SEM-2 (INT)
biochemical markers and disorders. This is a third year unit that builds on the theoretical aspects of biochemistry dealt with in LSB325 and the practical and analytical skills developed in LSB425.

**LSB535 Microbial Immunology**

Pre-requisites: LSB438 or LQB387
Credit Points: 12
Campus: Gardens Point

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.

**LSB555 Principles and Practice of Clinical Haematology**

Pre-requisites: LSB490 and (LSB438 or LQB387)
Credit Points: 12
Campus: Gardens Point

Haematology is the study of blood and investigates pathologies associated that can lead to disease or an increased risk of bleeding or thrombosis. This third year unit is designed to provide you with the essential knowledge and practical skills to work in a clinical (diagnostic) haematology laboratory. To develop your skills it is critical you have an in-depth understanding of the aetiology and pathophysiology of frequently encountered dyscrasias, the principle and rationale of laboratory investigations used to identify and diagnose them and/or monitor patient therapy in the clinical setting. LSB555 incorporates and builds on your learning and practical skill development from second year, and prepares you for LSB655 and LSB665 next Semester.

**LSB566 Histopathology**

Pre-requisites: LSB465 or LSB466 and LQB490
Credit Points: 12
Campus: Gardens Point

Histopathology is the study of cells and tissues and investigates the pathologies associated. This third year unit is designed to provide you with knowledge and practical skills to work in a histopathology laboratory and interpret advanced histopathological tests. To develop your knowledge of these techniques, ability to apply your learning and practical skills it is critical you have an understanding of the principle and rationale of these tests. LSB566 incorporates and builds on your learning in LSB466 and LSB490 and prepares you for LSB683 in the next Semester of your course.

**LSB655 Applied Clinical Haematology**

Pre-requisites: LSB555
Credit Points: 12
Campus: Gardens Point

This third year haematology unit builds on the knowledge and skills you acquired in LSB555 to explore the less common and more complex haematological disorders, malignancies and haemostatic defects encountered in day-to-day practice. This unit will develop your ability to understand, identify and recognise these disorders, and explores the aetiology, pathophysiology, laboratory tests used to investigate and diagnose them, and/or monitor treatment in the clinical setting. This unit, combined with LSB555, prepares you for employment as a medical scientist in a diagnostic haematology laboratory.

**LSB658 Clinical Physiology**

Pre-requisites: LSB142 and LQB281 OR LSB282 and LSB382
Anti-requisites: LSB506
Credit Points: 12
Campus: Gardens Point

In this advanced capstone unit students explore the physiological basis, pathogenesis, clinical features, diagnostics and treatment rationale of major human disorders. Here, students will develop a deep understanding and ability to communicate the connection between anatomy/physiology and the process of disease. The unit is particularly focussed on “real world examples” such as clinical case histories, and students will apply their critical thinking / complex reasoning skills to discuss alternative diagnoses and treatments.
**Units**

**LSB665 Transfusion and Transplantation Science**

- **Pre-requisites:** LSB555
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

Transfusion and Transplantation Science is a specialised study within Medical Science, primarily involving the testing of blood for antigen and antibody compatibility for a safe blood transfusion. The course concepts are extended to histocompatibility testing. This unit is positioned in the developmental phase of the course, being preceded by LSB387 and LSB555 which should introduce you to immunological concepts and blood diseases that may require a blood transfusion.

**LSN101 Molecular Biosciences**

- **Co-requisites:** LSN102, LSB483
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

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 LSB483 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.

**LSN102 Cellular Biosciences**

- **Co-requisites:** LSN101, LSB483
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

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.

**LSN103 Postgraduate Learning and Research Skills**

- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

This unit assists you in developing of 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 technology 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 online tutorials presented by a team of teaching and learning support staff from across the university.

**LSN483 Molecular Biology Techniques**

- **Co-requisites:** LSN101, LSN102
- **Equivalents:** LSB483, LSB484
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

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.

**LSN583 Genetic Research Technology**

- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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.

**LSN584 Medical Cell Biology**

- **Pre-requisites:** LSN101 and LSN102
- **Ant-requisites:** LSB533, LSB449, LSB584
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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 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.

**LSN585 Plant Genetic Manipulation**

- **Anti-requisites:** LSB577
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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.

**LSN684 Medical Biotechnology 2**

- **Pre-requisites:** LSN101 and LSN102
- **Equivalents:** LSB577
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

A research project is taken at the end stage of the LS96 course and enables you to develop detailed expertise in one area of research related to biotechnology. It usually enables specialisation in a research field but may also be taken in some clinical speciality area as appropriate. This postgraduate unit is specifically designed to develop and refine your generic and higher academic skills and attributes, scientific research hands-on skills, your information retrieval and communication skills. You will be expected to work semi-independently with minimal supervision.

**LSN710 Project**

- **Credit Points:** 48
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.00213J
This postgraduate unit is usually taken at the end stage of the LS96 Master of Biotechnology (Advanced) degree or as part of the SG71 Graduate Diploma of Applied Science degree and is undertaken in conjunction with LS971 Project 1 as a prerequisite or corequisite. LS712 involves experimental exploration of knowledge gaps identified in a critical review of the literature (LS711). 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.

LSP127 Business Aspects of Biotechnology

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

LWB136 Contracts A

Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (EXT, INT); 2014 SEM-2 (EXT, INT)

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 first 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.

LWB147 Torts A

Pre-requisites: LWB145 (can be enrolled in the same teaching period)
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (INT, EXT)

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.

LWB145 Legal Foundations A

Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (EXT, INT); 2014 SEM-2 (EXT, INT)

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.

LWB146 Legal Foundations B

Pre-requisites: LWB145, LWB145 and LWB146 can be studied in the same teaching period.
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (EXT, INT); 2014 SEM-2 (EXT, INT)

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.

LWB238 Fundamentals of Criminal Law

Pre-requisites: LWB238
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-2 (EXT, INT); 2014 SUM (BLK, EXT)

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.

LWB240 Principles of Equity

Pre-requisites: LWB240
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (INT, EXT)

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.

LWB241 Trusts
Pre-requisites: LWB240
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-2 (EXT, INT); 2014 SUM (BLK, EXT)

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 is necessary for the practicable 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.

LWB242 Constitutional Law
Pre-requisites: LWB146 or LWB143
Anti-requisites: LWB235, LWB231
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (EXT, INT); 2014 SEM-2 (EXT, INT)

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.

LWB243 Property Law A
Pre-requisites: LWB137 and (LWB148 or LWB139)
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SUM-2 (BLK); 2014 SEM-1 (INT, EXT)

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 the same teaching period as LWB244.

LWB244 Property Law B
Pre-requisites: LWB243 and LWB146 and LWB241. LWB241 can be enrolled in the same teaching period as LWB244
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-2 (INT, EXT)

In the unit Property Law A the principles underpinning the rules relating to the acquisition, transfer and holding of real and personal property were considered. In Property Law B, the principles of real property law will be examined with a focus on how the Torrens system of registration of title to land and the creation and disposition of various estates and interests in real property. Property Law B is a compulsory unit in the law degree and is required for admission to legal practice. Property law is a significant area of legal practice in government, general practice and specialised law firms. In Property Law B a range of registrable interests and related issues are examined so that you may develop the knowledge, understanding and skills necessary to maintain your abilities in this important area of legal practice.

LWB259 Mining and Resources Law
Pre-requisites: LWB146 and LWB137
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (EXT, INT)

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).

LWB260 Sports Law
Pre-requisites: LWB137 and LWB148
Credit Points: 12
Campus: null
Teaching Periods: 2014 SUM-1 (EXT, INT); 2014 SUM-2 (BLK, EXT)

Sport is an area that is becoming increasingly business orientated and litigious. It is plan to work as a manager, administrator or lawyer in the area of sports you will, in the course of your day to day activities, encounter a wide variety of situations that could have potential legal consequences. As a result, a sound knowledge of the key areas of the law relevant in this area, such as torts, contract, sporting tribunals, discrimination and licensing, and how to apply them to real world problems is essential.

LWB263 Insolvency Law
Pre-requisites: LWB334
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SUM-1 (INT, EXT)

This course presents a broad coverage of the legal issues associated with insolvency for both individuals and corporations. An introduction to the area of personal insolvency law is provided. It covers both bankruptcy and the alternatives available. It also deals with corporate insolvency such as the concepts learnt in LWB334 Corporate Law. There is also reference to cross border issues in insolvency.

LWB309 Succession
Pre-requisites: LWB240, LWB241
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SUM-2 (BLK); 2014 SEM-1 (INT, EXT)

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).

LWB312 Real Estate Transactions
Pre-requisites: LWB137, LWB240 and LWB244
Credit Points: 12
Campus: null
Teaching Periods: 2014 SUM-1 (EXT, INT); 2014 SUM-2 (BLK, EXT)

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.

LWB313 Discrimination & Equal Opportunity Law
Pre-requisites: LWB137, LWB148 and LWB139
Credit Points: 12
Campus: null
Teaching Periods: 2014 SEM-1 (EXT, INT)

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 laws; the status of discrimination and anti-discrimination laws and the Queensland Anti-Discrimination Act; the Anti-Discrimination Commission and procedures.

LWB332 Theories of Law
Pre-requisites: LWB137, LWB240 and LWB244
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (EXT, INT)

Legal theory, also known as jurisprudence, has exerted an enduring influence on the direction and nature of legal thought in the common law world and through all legal systems. In order to effectively participate in the practice of law, law graduates need to understand the underlying, and often unstated, philosophies that guide the developing law, especially through decisions at the highest level.

LWB333 Corporate Law
Pre-requisites: LWB143 or LWB146 and LWB237 or LWB243
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-2 (EXT, INT); 2014 SUM (BLK, EXT)

People who wish to embark on a commercial venture
may choose from a range of forms of legal organisations permitted by the legal system. A competent commercial lawyer or business person needs to be aware of the legal principles pertaining to one of the more important types of organisations, namely, the registered company. Corporate Law is designed to provide you with knowledge and understanding of the key legal principles and policy issues relevant to registered companies. This unit is a compulsory area of study in the law degree and is required for admission as a legal practitioner.

LWB335 Administrative Law
Pre-requisites LWB242 or LWB231
Credit Points 12
Campus Gardens Point and External
Teaching Periods 2014 SUM (BLK); 2014 SEM-1 (INT, EXT)

This unit examines the principles relating to the powers of the Australian government to impose income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. This includes concepts of residence of income tax. 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### Units

#### LWB432 Evidence
- **Pre-requisites**: LWB239
- **Credit Points**: 12
- **Campus**: Gardens Point and External
- **Teaching Periods**: 2014 SUM-2 (BLK), 2014 SEM-1 (EXT, INT), 2014 SUM (BLK, EXT)

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.

#### LWB433 Professional Responsibility
- **Pre-requisites**: Completion of 192 cp of Law units (LWB%)<br>
  - **Credit Points**: 12<br>
  - **Campus**: Gardens Point and External<br>
  - **Teaching Periods**: 2014 SUM-2 (BLK); 2014 SEM-2 (INT, EXT)

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.

#### LWB445 Banking and Finance Law
- **Pre-requisites**: LWB145, LWB137, LWB237 or LWB244<br>
  - **Credit Points**: 12<br>
  - **Campus**: Gardens Point and External<br>
  - **Teaching Periods**: 2014 SEM-2 (EXT, INT)

Banking and Finance Law covers the principal areas of activity of lenders in commercial and consumer transactions.

#### LWB454 Legal Clinic (Organised Program)
- **Pre-requisites**: 192cp of previous study in Law units (LW%)<br>
  - **Credit Points**: 12<br>
  - **Campus**: Gardens Point<br>
  - **Teaching Periods**: 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (BLK)

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 (GTA) for Legal Services. Students work in their communities under the umbrella of Legal Aid Queensland. The principles of agency law will be examined at an advanced level given the relevance of agency to commercial transactions.

#### LWB459 Commercial and Consumer Law
- **Pre-requisites**: LWB243<br>
  - **Credit Points**: 12<br>
  - **Campus**: Gardens Point and External<br>
  - **Teaching Periods**: 2014 SEM-1 (INT, EXT)

Commercial Law concerns rights in relation to personal property, particularly goods, in the context of commercial transactions. Consumer Law focuses on the rights afforded by the law to the consumer in commercial and financial transactions. This unit builds on the knowledge of the laws of personal property gained in Property Law A. The concepts of personal property law underpin sale of goods transactions. It is important to have a sound understanding of these concepts to be able to apply the relevant statutory provisions. The principles of agency law will be examined at an advanced level given the relevance of agency to commercial transactions.

#### LWB463 Immigration and Refugee Law
- **Pre-requisites**: LWB147 or LWB138<br>
  - **Credit Points**: 12<br>
  - **Campus**: Gardens Point and External<br>
  - **Teaching Periods**: 2014 SEM-2 (EXT, INT)

Immigration and refugee law is currently a key area of law and policy in Australian society. If working in this area of the law it is important that you have an understanding of some of the underpinning theories and of how historical, political and socio-economic factors can impact on this area of the law. It is also important to have a working knowledge of the legislation and case law, including key administrative and constitutional law principles, and how to apply them to real world scenarios.

#### LWB465 Media Law
- **Pre-requisites**: LWB147 or LWB138<br>
  - **Credit Points**: 12<br>
  - **Campus**: Gardens Point and External<br>
  - **Teaching Periods**: 2014 SEM-2 (INT, EXT)

This unit examines the regulation and non-regulation of freedom of speech exercised by the media. In this regard various limitations imposed by the common law, statute and self-regulation will be examined, such as defamation, restrictions on reporting courts and politics, contempt, privacy and confidentiality.

#### LWB462 Internet Law
- **Pre-requisites**: LWB239<br>
  - **Credit Points**: 12<br>
  - **Campus**: null<br>

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.

#### LWB483 Medico-Legal Issues
- **Pre-requisites**: LWB147 or LWB138 and LWB239<br>
  - **Credit Points**: 12<br>
  - **Campus**: Gardens Point and External<br>
  - **Teaching Periods**: 2014 SEM-2 (INT, EXT)

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.

#### LWB485 Environmental Law and Sustainability
- **Pre-requisites**: 192cp of previous study in Law units (LW%)<br>
  - **Credit Points**: 12<br>
  - **Campus**: Gardens Point and External<br>
  - **Teaching Periods**: 2014 SEM-1 (INT, EXT)

This unit examines the concepts and principles of environmental law and how they apply to current issues.

#### LWB486 Intellectual Property Law
- **Pre-requisites**: LWB146<br>
  - **Credit Points**: 12<br>
  - **Campus**: Gardens Point and External<br>
  - **Teaching Periods**: 2014 SEM-1 (EXT, INT)

There have been significant developments in the field of intellectual property law in recent years and the area is undoubtedly one perceived by the practising profession as growing in importance. This unit will provide a foundation to those areas of intellectual property law that legal practitioners may encounter in their everyday practice. In so doing, it will provide an examination of each of the intellectual property regimes. The course will also consider some of the broader more general policy matters as they relate to the field of intellectual property law.

#### LWB494 Principles of Sentencing
- **Pre-requisites**: LWB239<br>
  - **Credit Points**: 12<br>
  - **Campus**: Gardens Point and External<br>
  - **Teaching Periods**: 2014 SEM-2 (INT, EXT)

This unit seeks to examine in detail the principles underlying the sentencing of offenders, by examining the theories of punishment and how they are employed in practice under the Penalties and Sentences Act 1992 (Qld). It also considers the principles of sentencing offenders, sentencing dispositions, and sentencing different classes of offenders, eg juveniles, dangerous offenders.

#### LWB497 Advanced Research Project
- **Pre-requisites**: 192cp of Law discipline units (LW% units)<br>
  - **Credit Points**: 12<br>
  - **Campus**: Gardens Point and External<br>
  - **Teaching Periods**: 2014 SEM-1 (INT, EXT), 2014 SEM-2 (INT, EXT); 2014 SUM (INT, EXT)

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.

**LWB498 Dispute Resolution Practice**
- **Credit Points**: 12
- **Campus**: Gardens Point and External
- **Teaching Periods**: 2014 SEM-1 (EXT, INT)

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.

**LWN025 Research Project 1A**
- **Credit Points**: 12
- **Campus**: Gardens Point and External
- **Teaching Periods**: 2014 SEM-1 (EXT); 2014 SEM-2 (INT, EXT)

In this unit, students undertake a supervised research project of about 10,000 words over one semester approved by the Director of Graduate Programs. 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.

**LWN026 Research Project 2A**
- **Credit Points**: 12
- **Campus**: null

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.

**LWN026 Research Project 2A**
- **Credit Points**: 12
- **Campus**: External
- **Teaching Periods**: 2014 SEM-1 (EXT)

In this unit, students undertake a supervised research project of about 20,000 words over two (2) semesters approved by the Directorate of Graduate Programs. 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.

**LWN026 Research Project 2A**
- **Credit Points**: 24
- **Campus**: Gardens Point

In this unit, students undertake a supervised research project of about 20,000 words over one semester approved by the Director of Graduate Programs. 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.

**LWN048 Advanced Legal Research**
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-2 (BLK); 2014 6TP2 (BLK)

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.

**LWN049 International Environmental Law**
- **Credit Points**: 12
- **Campus**: External
- **Teaching Periods**: 2014 SEM-2 (EXT)

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.

**LWN050 Competition Law**
- **Credit Points**: 12
- **Campus**: Gardens Point and External
- **Teaching Periods**: 2014 SEM-2 (EXT, INT)

The unit provides an overview of the anti-competitive practices, including cartel conduct, which are proscribed by the Competition and Consumer Act 2010 (Cth).

**LWN051 Consumer Law**
- **Credit Points**: 12
- **Campus**: Gardens Point and External
- **Teaching Periods**: 2014 SEM-1 (INT, EXT)

The rationale for the unit Consumer Law is to provide an overview of the Competition and Consumer Act 2010 (Cth).

**LWN053 Research Project 1B**
- **Credit Points**: 12
- **Campus**: External
- **Teaching Periods**: 2014 SEM-1 (EXT)

In this unit, students undertake a supervised research project of about 10,000 words over one semester approved by the Director of Graduate Programs. 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.

**LWN056 Research Project 1C**
- **Credit Points**: 12
- **Campus**: null

In this unit, students undertake a supervised research project of about 10,000 words over one semester approved by the Director of Graduate Programs. 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.

**LWN057 Research Project 1D**
- **Credit Points**: 12
- **Campus**: null

In this unit, students undertake a supervised research project of about 10,000 words over one semester approved by the Director of Graduate Programs. 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.

**LWN058 Research Project 2B**
- **Credit Points**: 12
- **Campus**: null

In this unit, students undertake a supervised research project of about 20,000 words over two semesters approved by the Director of Graduate Programs. 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.

**LWN061 Natural Resources Law**
- **Credit Points**: 12
- **Campus**: null

Natural Resources Law and its related subject Environmental Legal System have become significant areas of professional legal practice over the last decade or so. There is increasing litigation in these areas and the law itself is subject to continual development and modification. 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 legal system have emerged as significant areas for research and publications. Although most law schools have an undergraduate course in environmental law, it is unusual to include natural resources law as an undergraduate course. Several law schools have introduced courses in the general area of natural resources law although the tendency is to focus on a particular resource such as minerals.

### LWN065 Construction and Engineering Law

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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.

### LWN075 International Commercial Transactions

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This unit 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 this area of the law is attested to by the ever-increasing number of courses offered on it at the postgraduate level in Australian Law Schools.

### LWN083 Estate Planning

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In recent years there has been a renewed interest in all aspects of estate planning. During the period when death duties were imposed at both the State and Federal levels, professional interest in this area was high as the public perceived its need for expert professional advice, particularly as it related to the structuring of a person’s affairs to minimise the impost of these duties. The emergence of capital gains tax and the realisation of its growing significance, together with a recent emphasis generally on financial planning has again brought this area to prominence. At a time when the legal profession is looking for new areas at work, there is also evidence that lawyers see this area as one which has been largely neglected. This unit seeks to conceptualise a framework in which the issues which arise in estate planning can usefully be considered.

### LWN099 Intellectual Property Law

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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, know-how, databases, trade marks, passing off, and breach of confidence.

### LWN113 Law of Guarantees

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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 (Cth), s.70 Consumer Code; obligations of solicitor; liability, including principles 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.

### LWN117 Cyber Law and Policy

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This unit examines legal and policy 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’.

### LWN119 Employment Law

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Employment law is a foundation unit that allows students to survey at an advanced level the sources, components and relationships of employment law in Australia. Successful completion of this unit provides students with the necessary background to continue on to undertake further advanced courses in more specialised areas of labour law.

### LWN125 Electronic Commerce Law

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It is vital for any participant in the digital age to gain a thorough knowledge of how the information economy is regulated for the benefit of individuals, corporations and the State, nationally and internationally. In order to be able to participate as a lawyer or other professional in this new environment it is important to have an understanding of the laws relating to privacy, e-security, consumer regulation, electronic payment and taxation systems, electronic contracts, and Public Key Infrastructure.

### LWN131 Queensland State Lands: Law and Practice

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As the unit examines a unique system of land tenures and dealings which is not studied in any great depth at undergraduate level, the focus of the unit is on: the current legislative scheme and current policies relating to non-freehold land in Queensland; contemporary issues within the context of the prevailing legislative and policy frameworks; and the development of generic skills including research skills and critical evaluation skills that may be applied in other areas of study.

### LWN139 Privacy Law

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Common law courts in Australia have been reluctant to recognise privacy as a personal legal right although similar rights have been upheld in American Courts for more than 100 years. Australian legislation, in particular the Privacy Act 1988 (Cth) has previously been levelled at the public sector. Amendments to the Act in 2001 have opened up the Australian private sector, particularly those organisations with a turnover of more than $3M dealing in sensitive areas such as health, to regulation and potential liability. Arguably the Commonwealth legislation has failed to keep pace with technological advances such as the Internet and the Act has been criticised as being deficient and outdated compared with similar legislation in the European Union, Canada, the United States and Japan. With the advent of technology, issues of privacy and data security now impact on international trade and cross-border commerce. It is incumbent on many Australian businesses with existing or anticipated international trade relationships to be aware of and comply with the privacy regimes of their foreign trading partners.

### LWN150 Death, Decisions and the Law

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As people near the end of their lives, their medical treatment and other care raises complex medical, legal and ethical decisions. Choices about whether particular treatment should be provided or refused may have to be made, and this is complicated by the fact that many people may not have the competence at this stage in their life to be able to make these decisions. Although a competent adult may refuse treatment, another choice demanded by some is the right to end their own life and to be assisted by others to achieve this. This unit examines the legal aspects of these choices.
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 courts and tribunals have been established to prosecute war criminals. Furthermore, doctrines of international law underpin arguments concerning the appropriate property boundaries between states or the competence of international forces to intervene in situations of humanitarian crisis or conflict. Not only is international law vital to understanding many high-profile world events, increasingly Australian law is being shaped by norms of international law such as international human rights law.

LWN158 Public International Law

Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (EXT, INT)

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 the Master of Laws (LWS1) or the Graduate Certificate in Applied Law (LWS4).

LWN162 Australian Common Law System

Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (EXT, INT); 2014 SEM-2 (INT, EXT)

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 the Master of Laws (LWS1) or the Graduate Certificate in Applied Law (LWS4).

LWN163 Capacity, Guardianship and Administration

Credit Points: 12
Campus: null

Decisions about guardianship and administration are part of the legal and social fabric of our society. The Guardianship and Administration Tribunal is a high profile tribunal, and its workload is expected to increase exponentially as our population ages. 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 complexity of these decisions has at times resulted in entrenched conflict and has needed judicial resolution. 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.

LWN164 Health Care Law and Ethics

Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-2 (BLK, EXT)

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.

LWN166 Consent To Treatment and Clinical Negligence

Credit Points: 12
Campus: External
Teaching Periods: 2014 SEM-1 (EXT)

This unit develops an understanding of the law and the major ethical and policy issues relating to consent to treatment and medical negligence, including medical trespass and select contemporary aspects of medico-legal practice and procedure.

LWN167 Use of Force and International Humanitarian Law

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 STP71 (BLK)

This important area of law is currently informing and shaping state responses to terrorist and other threats to peace and security. Many of the fundamental concepts in this area of the law are based on the assumption that conflicts occur between states or occur within states and that the principle actors in a conflict are state-based actors. The events of September 11 and consequent terrorist attacks have invited a rethinking of the fundamentals of the laws applicable to the resort to force and the laws which regulate the use of force in situations of armed conflict. At the same time, long standing rules of International Humanitarian Law (IHL) designed to protect civilians from unwarranted attack and to ensure fair trial for individuals accused of serious violations of international humanitarian law have come under enormous pressure. The course will examine the development of these rules and current developments in the enforcement of these important principles of IHL.

LWN168 Special Topic in Commercial Law

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 STP8 (BLK)

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 (LWS1) 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 Environmental Law.

LWN169 Special Topic in Environmental Law

Credit Points: 12
Campus: null

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 Environmental Law, Graduate Certificate in Law (LW60) students and Master of Laws (LWS1) 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 Environmental Law.

LWN170 Special Topic in Health Law

Credit Points: 12
Campus: null

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 Health Law, Graduate Certificate in Law (LW60) students and Master of Laws (LWS1) 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 Health Law.

LWN171 Special Topic in Public Law

Credit Points: 12
Campus: null

Advanced level research frequently draws on the expertise of leading national and international researchers who visit the Law Faculty, as well as research developing out of activities (grants etc) in the Faculty or related entities (Centres of Excellence etc). By enrolling in Special Topic in Public Law, Graduate Certificate in Law (LW60) students and Master of Laws (LWS1) students can take advantage of the expertise of these acknowledged experts, enrol in this unit and gain knowledge in areas of interest that may only be available for a limited period of time at QUT, while at the same time counting this unit as part of a major in Public Law.

LWN172 Special Topic in Criminal Law

Credit Points: 12
Campus: null

Countries worldwide are under increasing pressure to take effective steps, both individually and collectively, to tackle corruption and recover the proceeds of corruption. Australia is no exception. International efforts to address the problem culminated with the coming into force in December 2005 of the UN Convention Against Corruption (UNCAC). This is the first global instrument designed to tackle corruption in both the private and public sectors and it builds on a number of regional anti-corruption initiatives, including the Asia Development Bank/OECD Anti-Corruption Initiative for Asia-Pacific. In addition the Organisation for Economic Cooperation and Development (OECD)
has been active within the setting of tackling corruption in international business, particularly through the OECD Convention on Combating Bribery of Foreign Public Officials in International Business Transactions (OECD Convention). Australia is a party to both Conventions.

**LWN177 Special Topic in Technology Law**

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Advanced level research frequently draws on the expertise of leading national and international researchers who visit the Law Faculty, as well as research developing out of activities (grants etc) in the Faculty or related entities (Centres of Excellence etc). By enrolling in Special Topic in Technology Law, Graduate Certificate in Law (LW60) students and Master of Laws (LWS1) students can take advantage of the expertise of these acknowledged experts, enrol in this unit and gain knowledge in areas of interest that may only be available for a limited period of time at QUT, while at the same time counting this unit as part of a major in Technology Law.

**LWN178 Special Topic in Intellectual Property Law**

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Advanced level research frequently draws on the expertise of leading national and international researchers who visit the Law Faculty, as well as research developing out of activities (grants etc) in the Faculty or related entities (Centres of Excellence etc). By enrolling in Special Topic in Intellectual Property Law, Graduate Certificate in Law (LW60) students and Master of Laws (LWS1) students can take advantage of the expertise of these acknowledged experts, enrol in this unit and gain knowledge in areas of interest that may only be available for a limited period of time at QUT, while at the same time counting this unit as part of a major in Intellectual Property Law.

**LWN182 Criminal Tribunals**

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<td>Campus</td>
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<td>Teaching Periods</td>
<td>2014 SEM-2 (EXT)</td>
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**LWN184 Insolvency Law and Professional Practice 1**

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<td>2014 SEM-1 (EXT)</td>
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This unit is a corporate course designed in conjunction with the Insolvency Practitioners Association of Australia. It covers professional, legal and other aspects of insolvency. It provides a broad introduction to the context of insolvency procedures and discusses what is meant by the word insolvent. It goes on to deal with insolvency procedures that might be described as terminal in nature– namely personal bankruptcy and liquidation.

**LWN185 Insolvency Law and Professional Practice 2**

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<td>2014 SEM-2 (EXT)</td>
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The aim of this unit is to contextualise and build upon your knowledge in the area of personal and corporate insolvency. The course will provide a sound conceptual basis for future professional development in the relevant areas. It will also encourage you to appreciate that an overview of the regime governing insolvencies, individual and corporations is essential to an understanding of our social and economic environment.

**LWN194 Conceptual Issues in Medical Law**

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This unit develops 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. It then aims 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.

**LWN198 Advocacy and Financial Disputes in Family Law**

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In the last 10 years, a number of significant reforms have been undertaken that directly impact on financial settlements. These include introduction of Binding Financial Agreements, Superannuation splitting and orders as against third parties. In this same context, the rules and practices of Family Law Courts have been completely re-written, with the introduction of the Federal Magistrates Court and updated Family Law Rules. The complexity and volume of applications, together with lack of resources often results in limited time being available to present cases. In order to be a successful practitioner in Family Law a current understanding of the relevant law and procedures is essential. Practitioners also need high level advocacy skills both to assist the Court and the client to enable a timely resolution of disputes.

**LWN204 Family Dispute Resolution**

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<td>Teaching Periods</td>
<td>2014 SEM-2 (BLK)</td>
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In Australian family law, litigation is an option of last resort and parties are required to attempt resolution of their disputes before filing applications in courts, unless their case falls within the exceptions, such as where there are issues of family violence or urgency. In parenting disputes there are now compulsory pre-filing dispute resolution requirements. It is essential that professionals working in family law have a knowledge and understanding of the family dispute resolution system. Future family dispute resolution practitioners (FDRPs) require a knowledge and understanding of the family dispute resolution (FDR) process, communication skills and an understanding of how to effectively facilitate family dispute resolution (FDR). They also need to understand the legislative obligations of FDRPs.

**LWN205 Cross Border Insolvency**

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<td>Teaching Periods</td>
<td>2014 STP4 (BLK)</td>
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The aim of this unit is to enable insolvency specialists to understand the essential features of the world’s major insolvency systems, as well as the basic workings of the UNCITRAL Model Law as it has been adopted in Australia and in the United States, and the essential features of the European Insolvency Regulation. Comparative and Cross-Border Insolvency will allow students to survey at an advanced level the sources, components and policies underlying the law of international insolvency. The course will proceed in two stages. In the first stage, the class will examine the types of bankruptcy systems in place in the developed and developing world. Through study of priorities granted and reorganization provisions adopted, the course will attempt to give the student an overview of the complexity and problems facing the reorganization of large companies across borders. The focus will be primarily on commercial and corporate insolvencies.

**LWN206 Family Dispute Resolution Practitioner Skills**

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<td>Teaching Periods</td>
<td>2014 SEM-1 (BLK)</td>
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</table>

In parenting cases parents are generally required to attend family dispute resolution (FDR) and to obtain an FDR certificate, before filing a court application. In financial cases, parties are required to attempt negotiation or mediation before filing a court application. There is growing demand for family law professionals who are accredited family dispute resolution practitioners (FDRPs) to assist parties with the resolution of disputes. This unit allows family law professionals, after completion of LWN204 Family Dispute Resolution, to complete the academic requirements for FDRP accreditation and the training and education requirements for national mediator accreditation.

**LWN301 Principles of Australian Contract Law**

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<th>Anti-requisites</th>
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<td>Teaching Periods</td>
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Although grounded in principles of English common law, Australian contract law has, like many other areas of Australian law, developed a distinctly Australian character, 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.
LWN401 General Introduction To Intellectual Property Law

Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 SEM-1 (BLK)

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.

LWN402 Patents and Biotechnological Inventions

Pre-requisites: LWN401. LWN401 can be studied in the same teaching period as LWN402  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 6TP2 (BLK)

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.

LWN403 Copyright and Related Rights

Pre-requisites: LWN401. LWN401 can be studied in the same teaching period as LWN403  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 6TP3 (BLK)

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.

LWN404 Trade Marks, Domain Names and Geographical Indications

Pre-requisites: LWN401. LWN401 can be studied in the same teaching period as LWN404  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 6TP4 (BLK)

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.

LWN405 Industrial Designs and Plant Variety Protection

Pre-requisites: LWN401. LWN401 can be studied in the same teaching period as LWN405  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 6TP3 (BLK)

This unit comprises two discrete branches of intellectual property law, viz., industrial designs law and law relating to protection of new plant varieties. However, the selection relating to industrial designs will be the major focus whereas plant varieties protection law will be covered at an introductory level. Industrial designs are everywhere around us. They cover every industrial sector, ranging from textiles to furniture, packaging to jewellery, household goods to toys. This unit explores issues concerning the protection and exploitation of industrial designs facing lawyers today. New plant varieties are of fundamental significance for production of sufficient and high quality food in the agricultural and horticultural fields. Sustainable agriculture and food security are dependent on provision of adequate legal protection of plant breeder’s rights.

LWN406 Traditional Knowledge and other emerging issues; Interface between Antitrust and IP Rights

Pre-requisites: LWN401. LWN401 can be studied in the same teaching period as LWN406  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 6TP6 (BLK)

Intellectual property rights are being continuously reshaped to adapt to dramatic changes and are facing unprecedented challenges. In the knowledge and information technology age where knowledge and IP-based assets have become key factors in global competition and economic growth, intellectual property law has become a crucial crossover for several economical, scientific and political decisions and the awareness of the ethical implications connected to Intellectual Property law is constantly growing.

LWN407 Intellectual Property Management

Pre-requisites: LWN401. LWN401 can be studied in the same teaching period as LWN407  
Credit Points: 12  
Campus: Gardens Point  
Teaching Periods: 2014 6TP7 (BLK)

This is of fundamental significance that the creation of new intellectual property and necessary registration (where appropriate), leads to production of new products or services for introduction into the marketplace. This usually occurs through the process of commercialisation. This unit investigates the key issues dealing with commercialisation of intellectual property in order to apply strategies that need to be put in place to transform the IP into new and useful products and services.

LWN408 Research Project

Pre-requisites: LWN401. LWN401 can be studied in the same teaching period as LWN408  
Credit Points: 12  
Campus: Gardens Point and External  
Teaching Periods: 2014 SEM-2 (EXT, INT)

This unit is the vehicle for you to undertake a structured, individual research project under supervision. The course requires that you are capable of using your initiative to manage a major research project to satisfy completion. The project is to be a substantial piece of work relevant to the course carried out on an individual basis, investigating and analysing the legal aspects of a real world intellectual property problem.

LWP100 ADR Skills

Credit Points: 12  
Campus: null

The aim of this unit is to provide a coherent knowledge and understanding of dispute resolution theory and to provide basic training in mediation skills with particular focus on the resolution of workplace disputes.

LWP137 Contracts B

Credit Points: 12  
Campus: null

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 property problem.

LWP142 Law Society and Justice

Credit Points: 12  
Campus: null

This unit is for students in the second year of the Bachelor of Law. It examines 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.

LWN408 Research Project

Pre-requisites: LWN401. LWN401 can be studied in the same teaching period as LWN408  
Credit Points: 12  
Campus: Gardens Point and External  
Teaching Periods: 2014 SEM-2 (EXT, INT)

This unit is the vehicle for you to undertake a structured, individual research project under supervision. The course requires that you are capable of using your initiative to manage a major research project to satisfy completion. The project is to be a substantial piece of work relevant to the course carried out on an individual basis, investigating and analysing the legal aspects of a real world intellectual property problem.

LWP100 ADR Skills

Credit Points: 12  
Campus: null

The aim of this unit is to provide a coherent knowledge and understanding of dispute resolution theory and to provide basic training in mediation skills with particular focus on the resolution of workplace disputes.

LWP137 Contracts B

Credit Points: 12  
Campus: null

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.

LWP142 Law Society and Justice

Credit Points: 12  
Campus: null

This unit is for students in the second year of the Bachelor of Law. It examines 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.

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/. CRICOS No.00213J
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.

**LWP144 Laws and Global Perspectives**

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Modern Australian lawyers need to have an understanding of the legal rules which apply in jurisdictions outside of their own and how these rules influence Australian law and legal practice. Following on from Law, Society and Justice, which gave you an appreciation of the societal context in which the Australian legal system operates, this unit takes the next step, situating the law and legal practice in Australia within the broader global context and explaining how international and overseas legal systems impact on our own. The unit will introduce and explain the fundamental structures and principles of three areas of law which are essential to an appreciation of the global context in which the Australian legal system operates – public international law, comparative law, and private international law – and examine their relevance to contemporary legal practice in Australia.

**LWP148 Torts B**

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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.

**LWS008 Entertainment Law**

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<th>Pre-requisites</th>
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<td>Anti-requisites</td>
<td>LWS011</td>
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<td>Teaching Periods</td>
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The entertainment industry involves a myriad of transactions and interactions that are governed by a wide range of laws. A basic understanding of the laws most commonly encountered in the entertainment industry should assist those involved in the industry to have a better understanding of the legal context in which they are operating. This in turn may assist them in avoiding problems, or to have a better appreciation of when they should seek professional legal assistance.

**LWS009 Introduction to Law**

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<td>Teaching Periods</td>
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This unit is designed for students in disciplines other than law. It provides those students with a solid foundation in the Australian common law system, introducing students to the Australian legal environment and exposing those students to the legal framework in which industry operates. It will also address specific legal issues such as contract law, consumer law, torts and property law.

**LWS011 Journalism Law**

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<th>Anti-requisites</th>
<th>LWS008</th>
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<td>Equivalents</td>
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It is important that all professionals have a sound working knowledge of the legal considerations that apply to their professional practice. This is especially true for journalists who provide information and commentary for the public good and in the public interest. As such, the study of law is important for you for two reasons. First, the important role journalists play in a democratic society mean that journalists are endowed with a public responsibility to engage in sound legal and ethical practice. Second, the public role journalists play in society mean that there is a high level of scrutiny on their actions. Legal transgressions by journalists can prove costly and painful for journalists, their families, friends, colleagues and employers.

**LWS012 Urban Development Law**

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This unit provides an overview of Australian law as it relates to the disciplines of Construction Management, Urban and Regional Planning and Property Economics. In particular, the unit will introduce students to the Australian legal system with a particular focus on contracts, consumer law, the law of torts, business entities, and property law. This unit will provide the foundation for the study of contracts, planning, management and property transactions in the Urban Development courses.

**LWS075 International Business and Law**

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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.

**LWS101 Ethics Law and Health Care**

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Nursing practice involves making decisions for, and with, others. An important requirement of such decisions is that they are consistent with nurses’ public and professional responsibilities and they serve to promote the needs of patient/clients. In short, nursing practice is guided by normative requirements. The basic requirements for these obligations are established by law, ethics and professional values. The unit explores the relationship between law and ethics to lay the foundations of understanding of both law and ethics as they relate to healthcare and to your professional practice.

**LWS147 Patent Law and Commercialisation**

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The aim of this unit is to provide you with an essential grounding in statutory 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.

**MAB101 Statistical Data Analysis 1**

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<th>Anti-requisites</th>
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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.

**MAB105 Preparatory Mathematics**

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</table>

This unit is intended for students who have not reached the equivalent of Senior Mathematics B. It is intended 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.

**MAB120 Foundations of Calculus and Algebra**

<table>
<thead>
<tr>
<th>Anti-requisites</th>
<th>MAN120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equivalents</td>
<td>MAB100, MAB125, MAB180</td>
</tr>
<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
</tbody>
</table>

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.
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.

**MAB121 Single Variable Calculus and Differential Equations**

- **Anti-requisites**: MAN121
- **Equivalents**: MAB111, MAB121, MAB131, MAB182
- **Credit Points**: 12
- **Campus**: null

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.

**MAB122 Linear Algebra and Multivariable Calculus**

- **Equivalents**: MAB112, MAB127, MAB132
- **Credit Points**: 12
- **Campus**: null

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 mathematical techniques related to vectors, matrices and multivariable functions used to model real world problems.

**MAB125 Foundations of Engineering Mathematics**

- **Anti-requisites**: MAN120
- **Equivalents**: MAB100, MAB120, MAB180
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

**MAB126 Mathematics for Engineering 1**

- **Anti-requisites**: MAN121
- **Equivalents**: MAB111, MAB121, MAB131, MAB182
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

**MAB127 Mathematics for Engineering 2**

- **Equivalents**: MAB112, MAB122, MAB132
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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 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 related to vectors, matrices and multivariable functions used to model engineering relevant problems.

**MAB141 Mathematics and Statistics for Medical Science**

- **Equivalents**: MAN101, MAB101
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT)

This unit provides you with the essential grounding in mathematical and statistical concepts, methods and analysis of data used in units you will encounter later in your course, and relevant to medical science laboratory data and situations in pharmacy, vision science, biomedical science and medical science.

**MAB210 Probability and Stochastic Modelling 1**

- **Pre-requisites**: MAB121 or MAB122, MAB121 or MAB122 can be studied in the same teaching period as MAB210
- **Credit Points**: 12
- **Campus**: null

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.

**MAB220 Computational Mathematics 1**

- **Anti-requisites**: MAN220
- **Credit Points**: 12
- **Campus**: null

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.

**MAB233 Engineering Mathematics 3**

- **Pre-requisites**: MAB131 or MAB182 or MAB121 or MAB26 or MAB127 or MZB126
- **Anti-requisites**: BS8123, MAN101
- **Credit Points**: 12
- **Campus**: Gardens Point
- **Teaching Periods**: 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

**MAB281 Mathematics for Computer Graphics**

- **Credit Points**: 12
- **Campus**: null

Computer graphics is a rapidly growing field of the computer science industry. It has applications in computer games, virtual reality, CAD systems and geometric modeling. Fundamental to all of these applications is mathematics. Thus, to be 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...
### MAB311 Advanced Calculus

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>12</th>
<th>Credit Points</th>
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</thead>
<tbody>
<tr>
<td>MAB111 or MAB121 and</td>
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<tr>
<td>MAB112 or MAB122</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
<td>Campus: Gardens Point</td>
</tr>
</tbody>
</table>

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; divergence theorem; Stoke's theorem; applications.

### MAB312 Linear Algebra

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>12</th>
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</tr>
</thead>
<tbody>
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<tr>
<td>Anti-requisites</td>
<td>MAN312</td>
<td></td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
<td>Campus: Gardens Point</td>
</tr>
</tbody>
</table>

The main aim of this unit, which is intended for students majoring in mathematics and students in other courses who require the foundations of linear algebra, is to develop the basic theory of linear algebra and to provide you with the necessary skills to apply this theory in science, technology, engineering and mathematics. It seeks to foster an appreciation of the historical development and the value of the principles and methods presented.

### MAB313 Mathematics of Finance

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>12</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAB111 or MAB121 (which can be concurrently enrolled)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anti-requisites</td>
<td>MAN313</td>
<td></td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
<td>Campus: Gardens Point</td>
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</tbody>
</table>

Finance provides one of the significant areas for the application of mathematics. Understanding the fundamental approaches 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.

### MAB314 Probability and Stochastic Modelling 2

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>12</th>
<th>Credit Points</th>
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</thead>
<tbody>
<tr>
<td>MAB220 and MAB210</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
<td>Campus: Gardens Point</td>
</tr>
</tbody>
</table>

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.

### MAB315 Operations Research 2

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>MAN315</th>
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<tbody>
<tr>
<td>Anti-requisites</td>
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<tr>
<td>Credit Points</td>
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<tr>
<td>Teaching Periods</td>
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</table>

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.

### MAB316 Modelling

#### Simulation Science

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>MAN422</th>
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<tbody>
<tr>
<td>Anti-requisites</td>
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<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Teaching Periods</td>
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</tbody>
</table>

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 logical and clear English the conclusions drawn from the mathematical models developed in the unit, you will also develop your written communication skills.

### MAB317 Financial Modelling

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>MAB521</th>
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</thead>
<tbody>
<tr>
<td>Anti-requisites</td>
<td>MAN422</td>
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<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Teaching Periods</td>
<td>null</td>
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</tbody>
</table>

This unit teaches students how to implement a mathematical algorithm in a modern scientific computing environment (e.g 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.

### MAB322 Computational Mathematics 1

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>MAB110 or MAB210</th>
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</thead>
<tbody>
<tr>
<td>Anti-requisites</td>
<td>MAN314</td>
</tr>
<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.

### MAB420 Computational Mathematics 2

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>MAB220 and MAB312</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anti-requisites</td>
<td>MAN420</td>
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<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
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</tbody>
</table>

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.

### MAB441 Applied Statistics 1

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>MAB101 or MAB210</th>
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</thead>
<tbody>
<tr>
<td>Anti-requisites</td>
<td>MAN314</td>
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<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
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</tbody>
</table>

This unit includes: partial differential equations such

### MAB413 Differential Equations

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>MAB311 or MAB312</th>
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<tbody>
<tr>
<td>Anti-requisites</td>
<td>MAN413</td>
</tr>
<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.

### MAB414 Applied Statistics 1

#### Simulation Science

#### Modelling

#### Mathematical Modelling

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>MAB110 or MAB212</th>
<th>MAB120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anti-requisites</td>
<td>INB360</td>
<td></td>
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<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Teaching Periods</td>
<td>null</td>
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</tbody>
</table>

#### Modelling

#### Mathematical Modelling

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>MAB311</th>
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</thead>
<tbody>
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<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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</tbody>
</table>

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).

**MAB522 Computational Mathematics 3**

**Pre-requisites**  
MAB311 and MAB420

**Pre-requisites**  
MAN522

**Credit Points**  
12

**Campus**  
Gardens Point

**Teaching Periods**  
2014 SEM-1 (INT)

This unit provides 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. You will become familiar with the methodologies for developing numerical algorithms that can be employed for problems that would otherwise be unsolvable, and with the skills of communicating the results of your numerical studies to a diverse audience.

**MAB524 Statistical Inference**

**Pre-requisites**  
MAB314

**Credit Points**  
12

**Campus**  
Gardens Point

**Teaching Periods**  
2014 SEM-1 (INT)

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 mathematical software to solve these problems.

**MAB525 Operations Research 3A**

**Pre-requisites**  
MAB315 and MAB420

**Pre-requisites**  
MAN522

**Credit Points**  
12

**Campus**  
Gardens Point

**Teaching Periods**  
2014 SEM-1 (INT)

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 to 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 foundations of MAB315/MAN315 by developing and manipulating mathematical and computer models of complex systems composed of people, machines, money and their operating procedures.

**MAB533 Statistical Techniques**

**Pre-requisites**  
MAB210 and MAB414

**Pre-requisites**  
MAB523

**Credit Points**  
12

**Campus**  
Gardens Point

**Teaching Periods**  
2014 SEM-1 (INT)

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.

**MAB536 Time Series Analysis 1**

**Pre-requisites**  
MAB314 and MAB414

**Pre-requisites**  
MAN526, MAB526

**Credit Points**  
12

**Campus**  
Gardens Point

**Teaching Periods**  
2014 SEM-2 (INT)

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.

**MAB613 Partial Differential Equations**

**Pre-requisites**  
MAB311 and MAB413

**Pre-requisites**  
MAN613

**Credit Points**  
12

**Campus**  
Gardens Point

**Teaching Periods**  
2014 SEM-2 (INT)

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 can 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.

**MAB623 Financial Mathematics**

**Pre-requisites**  
MAB313 and MAB311

**Credit Points**  
12

**Campus**  
Gardens Point

**Teaching Periods**  
2014 SEM-2 (INT)

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.

**MAB624 Applied Statistics 2**

**Pre-requisites**  
MAB414

**Anti-requisites**  
MAN624

**Credit Points**  
12

**Campus**  
Gardens Point

**Teaching Periods**  
2014 SEM-2 (INT)

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.

**MAB625 Operations Research 3B**

**Pre-requisites**  
MAB315

**Equivalents**  
MAN625

**Credit Points**  
12

**Campus**  
Gardens Point

**Teaching Periods**  
2014 SEM-2 (INT)

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.

**MAB672 Advanced Mathematical Modelling**

**Pre-requisites**  
MAB422

**Anti-requisites**  
MAN672

**Credit Points**  
12

**Campus**  
Gardens Point

**Teaching Periods**  
2014 SEM-1 (INT)

The aim of this unit is to develop concepts, skills and an understanding of Mathematical Modelling by providing examples and outlining the steps required in the development, analysis and interpretation of a model using real-world problems and associated mathematical software to solve these problems.

**MAB687 Research Project**

**Pre-requisites**  
Unit coordinator approval is required to enrol and a minimum GPA of 5.5 in the Bachelor of Mathematics

**Credit Points**  
12

**Campus**  
Gardens Point

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.00213J
<table>
<thead>
<tr>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td><strong>Teaching Periods</strong></td>
</tr>
<tr>
<td><strong>MAN105 Preparatory Mathematics</strong></td>
</tr>
<tr>
<td><strong>Anti-requisites</strong></td>
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<tr>
<td><strong>Credit Points</strong></td>
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<tr>
<td><strong>Campus</strong></td>
</tr>
<tr>
<td><strong>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 a 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.</strong></td>
</tr>
<tr>
<td><strong>MAN120 Foundations of Calculus and Algebra</strong></td>
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<td><strong>Anti-requisites</strong></td>
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<td><strong>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.</strong></td>
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<tr>
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<td><strong>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.</strong></td>
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<tr>
<td><strong>MAN122 Linear Algebra and Multivariable Calculus</strong></td>
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<td><strong>Anti-requisites</strong></td>
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<tr>
<td><strong>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 qualitatively-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.</strong></td>
</tr>
</tbody>
</table>
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.

**MAN281 Mathematics for Computer Graphics**

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.

**MAN311 Advanced Calculus**

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
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</tbody>
</table>

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; Stokes’s theorem; applications.

**MAN312 Linear Algebra**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Anti-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>(MAN121 or MAB111 or MAB121) and (MAN122 or MAB112 or MAB122)</td>
<td>MAB312</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
</tr>
</tbody>
</table>

The main aim of this postgraduate unit is to develop the basic theory of linear algebra and to provide you with the necessary skills to apply this theory in science, technology, engineering and mathematics. It seeks to foster an appreciation of the historical development and the value of the principles and methods presented.

**MAN313 Mathematics of Finance**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Anti-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAB111 or MAB121 or MAN121 (which can be concurrently enrolled)</td>
<td>MAB313</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.

**MAN314 Probability and Stochastic Modelling 2**

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
</tr>
</tbody>
</table>

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.

**MAN315 Operations Research 2**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Anti-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAB210 and (MAB112 or MAB122)</td>
<td>MAB315</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
</tr>
</tbody>
</table>

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.

**MAN413 Differential Equations**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Anti-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAB311 or MAB312 or MAN311 or MAN312</td>
<td>MAB413</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.

**MAN414 Applied Statistics 1**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Anti-requisites</th>
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<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN101</td>
<td>MAB220 or MAB220 and (MAN312 or MAB312)</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.

**MAN420 Computational Mathematics 2**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Anti-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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</thead>
<tbody>
<tr>
<td>MAN121</td>
<td>MAB420</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
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</tbody>
</table>

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.

**MAN422 Mathematical Modelling**

<table>
<thead>
<tr>
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<th>Anti-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN121</td>
<td>MAB422</td>
<td>12</td>
<td>null</td>
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</table>

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.
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.

**MAN480 Modelling and Simulation Science**

**Pre-requisites** MAN220

**Anti-requisites** INN360

**Credit Points** 12

**Campus** null

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.

**MAN521 Applied Mathematics 3**

**Pre-requisites** MAN311 or MAB311

**Anti-requisites** MAB521

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT)

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).

**MAN522 Computational Mathematics 3**

**Pre-requisites** (MAN311 or MAB311) and (MAN420 or MAB420)

**Anti-requisites** MAB522

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT)

This unit provides 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. You will become familiar with the methodologies for developing numerical algorithms that can be employed for problems that would otherwise be unsolvable, and with the skills of communicating the results of your numerical studies to a diverse audience.

**MAN524 Statistical Inference**

**Pre-requisites** MAN314 or MAB314

**Anti-requisites** MAB524

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT)

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.

**MAN525 Operations Research 3A**

**Pre-requisites** MAB315 or MAN315

**Anti-requisites** MAB525

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT)

Operations research techniques are used in most industries which are concerned with the application of scientific methods in decision making, especially the allocation of resources. There is thus a need to 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 foundations of MAN314 and MAN315 by developing and manipulating mathematical and computer models of complex systems composed of people, machines, money and their operating procedures.

**MAN533 Statistical Techniques**

**Pre-requisites** MAN210 and MAN414

**Anti-requisites** MAB533

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-1 (INT)

This year aim to provide you with sufficient knowledge and understanding of advanced statistical methods to enable the application in a range of real-world situations in diverse workplaces and disciplines.

**MAN536 Time Series Analysis 1**

**Pre-requisites** MAB314 and MAB414

**Anti-requisites** MAB536, MAB526

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-2 (INT)

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 the conclusions from time series models are used to represent the relationships and interactions of macroeconomic variables in any economy.

**MAN613 Partial Differential Equations**

**Pre-requisites** (MAN311 or MAB311) and (MAN413 or MAB413)

**Anti-requisites** MAB613

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-2 (INT)

Partial differential equations are the classical foundation of mathematical models used to unambiguously describe processes exhibiting spatial and temporal variation. There exist numerous important examples of such so-called continuous 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.

**MAN623 Financial Mathematics**

**Pre-requisites** (MAN313 or MAB313) and (MAN311 or MAB311)

**Credit Points** 12

**Campus** Gardens Point

**Teaching Periods** 2014 SEM-2 (INT)

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.
units

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.

MAN625 Operations Research 3B

Pre-requisites
MAN315 or MAB625
Credit Points
12
Campus
Gardens Point
Teaching Periods
2014 SEM-2 (INT)

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.

MAN672 Advanced Mathematical Modelling

Pre-requisites
MAN422 or MAB422
Credit Points
12
Campus
Gardens Point
Teaching Periods
2014 SEM-1 (INT)

The aim of this unit is to develop concepts, skills and an understanding of Mathematical Modelling by providing examples and outlining the steps required in the development, analysis and interpretation of a model using ‘real-world’ problems and associated mathematical software to solve these problems.

MAN700 Project

Other requisites
Unit coordinator approval is required to enrol
Credit Points
24
Campus
Gardens Point
Teaching Periods
2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

MAN717 Minor Project

Other requisites
Unit coordinator approval is required to enrol
Credit Points
12
Campus
Gardens Point
Teaching Periods
2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

MAN761 Analysis

Pre-requisites
MAB311 and MAB312
Credit Points
12
Campus
null

This unit includes: convergence in R; uniform convergence; Lebesgue integral; convergence theorems; Lp-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.

MAN764 Applied Mathematical Modelling

Pre-requisites
MAB613 and MAB672
Credit Points
12
Campus
null

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.

MAN765 Bayesian Data Analysis

Pre-requisites
MAB524 or MAN524
Credit Points
12
Campus
Gardens Point
Teaching Periods
2014 SEM-1 (INT)

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.

MAN777 Mathematics of Fluid Flow

Pre-requisites
MAN613 or MAB613
Credit Points
12
Campus
null

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.

MAN766 Time Series Analysis 2

Pre-requisites
(MAN524 or MAB524) and (MAN536 or MAB536)
Credit Points
12
Campus
null

The overall aim of this unit is to strengthen your understanding and skills in Time Series Analysis with particular emphasis on the state-space representations of ARIMA models and nonlinear time series models and to use these models for practical applications such as optimal forecasting, simulation and analysis of dynamic systems.

MAN768 Advanced Techniques in Operations Research

Pre-requisites
(MAN525 or MAB525) and (MAN625 or MAB625)
Credit Points
12
Campus
Gardens Point
Teaching Periods
2014 SEM-1 (INT)

The aim of operations research is to gain an understanding of complex situations, and thereby suggest ways to predict system behaviour and improve system performance. This requires you to learn how to develop and manipulate mathematical and computer models of complex systems composed of people, machines and their operating constraints/procedures.

MAN771 Computational Mathematics 4

Pre-requisites
(MAB522 or MAB522) and (MAB613 or MAB613)
Credit Points
12
Campus
Gardens Point
Teaching Periods
2014 SEM-1 (INT)

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.

MAN775 Statistical Modelling of Financial Processes

Pre-requisites
MAB524 and MAN536
Credit Points
12
Campus
null

This unit provides the necessary tools for students pursuing a career in finance. The mathematics of financial markets and financial mathematics are introduced. The mathematics of financial markets and financial mathematics are introduced. 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.

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/; CRICOS No.00213J
This unit has two main topics of study. One topic is an introduction to graph theory and its applications to a number of practical problems including minimum spanning trees and shortest paths. The other topic is error correcting codes, which will include an introduction to finite fields and their application to designing reliable communication systems.

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.

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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 and evaluate systems for learning in organisations as part of a strategic approach to human resource development.

MGB221, MGB222, or MGB200
12
Gardens Point
2014 SEM-1 (INT)

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.

MGB306 Independent Study

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

Teaching
Periods
2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

This 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.

MGB314 Organisational Consulting and Change

Pre-requisites
MGB211, CTB211, MGB222, CTB232, or MGB200

Credit Points
12

Campus
Gardens Point

Teaching
Periods
2014 SEM-1 (INT)

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.

MGB310 Sustainability in A Changing Environment

Pre-requisites
MGB200, MGB211, CTB211, MGB222, or CTB232

Anti-requisites
MGB334, CTB334, MGB212

Equivalents
MGB310

Credit Points
12

Campus
Caboolture and Gardens Point

Teaching
Periods
2014 SEM-1 (INT), 2014 SEM-2 (INT)

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MGB314 Organisational Consulting and Change

Pre-requisites
MGB211, CTB211, MGB222, CTB232, or MGB200

Credit Points
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Campus
Gardens Point

Teaching
Periods
2014 SEM-1 (INT)

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MGB320 Recruitment and Selection

Pre-requisites
MGB339 or MGB221

Equivalents
MGX320

Credit Points
12

Campus
Gardens Point

Teaching
Periods
2014 SEM-2 (INT)

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.

MGB324 Managing Business Growth

Pre-requisites
MGB223

Equivalents
MGB218, MGX324

Credit Points
12

Campus
Caboolture and Gardens Point

Teaching
Periods
2014 SEM-1 (INT)

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.

MGB331 Learning and Development in Organisations

Pre-requisites
MGB211, CTB211, MGB222, CTB232, or MGB200

Equivalents
MGX331

Credit Points
12

Campus
Gardens Point

Teaching
Periods
2014 SEM-1 (INT)

This 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 and evaluate systems for learning in organisations as part of a strategic approach to human resource development.

MGB335 Project Management

Pre-requisites
(MGB210 and MGB309) or (MGB210 and AMB303)

Anti-requisites
KXB202

Equivalents
MGX335

Credit Points
12

Campus
Caboolture and Gardens Point

Teaching
Periods
2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

MGB338 Workplace Learning

Pre-requisites
MGB201, MGB207, or CTB207

Anti-requisites
MGB211, CTB211, MGB222, or CTB232

Equivalents
MGX339

Credit Points
12

Campus
Gardens Point

Teaching
Periods
2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit entails a structured program of workplace learning in which you are exposed to a variety of organisational issues. For the duration of your placement, you will work on a specific HRM or Management project of relevance to the host organisation. Building upon knowledge acquired in the relevant major, students’ exposure to HRM/Management in an actual organisational setting will enhance understanding of the links between theory and practice and develop skills and abilities through a professional learning experience.

MGB339 Performance and Reward

Pre-requisites
MGB201, MGB207, or CTB207

Equivalents
MGB221, MGX339

Credit Points
12

Campus
Gardens Point

Teaching
Periods
2014 SEM-1 (INT)
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.

MGB340 International Business in the Asia-Pacific

This unit aims to develop student competencies in analysing risk management issues in national and international contexts and build a strong appreciation of managing 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.

MGB355 Managing Technology, Innovation and Commercialisation

This unit focuses on managing technology, knowledge and innovation within organisations and how to build innovative capabilities. Students study strategies and approaches used in technology and knowledge intensive industries and government organisations for the research, development and commercialisation of innovations. The unit offers the opportunity to develop knowledge and skills to manage and commercialise technologies and innovations.

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.

MGN409 Management Theory and Practice

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.

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.

MGN412 Organisational Behaviour

This subject aims to provide a broad understanding of organisational behavior as a basis 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.

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.

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.

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.
MGN433 Managing High-Performance Organisations

**Pre-requisites:** MGN409
**Credit Points:** 12
**Campus:** Gardens Point
**Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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 vital 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.

MGN440 HRM Theory and Practice

**Anti-requisites:** MGN427
**Credit Points:** 12
**Campus:** Gardens Point
**Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

MGN441 Leadership and Executive Coaching

**Credit Points:** 12
**Campus:** Gardens Point
**Teaching Periods:** 2014 SEM-1 (INT)

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 interact 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.

MGN442 Self Leadership

**Credit Points:** 12
**Campus:** Gardens Point
**Teaching Periods:** 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

MGN443 Talent Management

**Anti-requisites:** MGN429
**Credit Points:** 12
**Campus:** Gardens Point
**Teaching Periods:** 2014 SEM-1 (INT)

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 analysis) required to develop a talent management plan.

MGN444 Business in Asia

**Anti-requisites:** MIN403
**Equivalents:** IBN403, MGX444
**Credit Points:** 12
**Campus:** Gardens Point
**Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

MGN445 Business in Europe

**Anti-requisites:** MIN404
**Equivalents:** IBN404, MGX445
**Credit Points:** 12
**Campus:** Gardens Point
**Teaching Periods:** 2014 SEM-1 (INT)

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.

MGN446 Business in Australia

**Anti-requisites:** MIN435
**Equivalents:** IBN435, MGX446

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT), 2014 SEM-2 (INT)

This unit introduces international 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 influence, doing business in Australia in the current international environment.

MGN447 Managing in a Globalised Economy

**Anti-requisites:** BSN408
**Equivalents:** IBN408, MGX447
**Credit Points:** 12
**Campus:** Gardens Point and External
**Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (EXT, INT)

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 marketplace. 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.

MGN448 Negotiating Across Borders

**Anti-requisites:** GSN462
**Equivalents:** IBN409, MGX448
**Credit Points:** 12
**Campus:** Gardens Point
**Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit develops students' skills in negotiating intra- and inter-culturally. It provides students with a toolbox of negotiation skills and then explores the relationship between cultural value dimensions and negotiating behaviours. Students practice 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.

MGN505 Consulting and Change Management

**Credit Points:** 12
**Campus:** Gardens Point
**Teaching Periods:** 2014 SEM-1 (INT)

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.

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MGN506 Contemporary Issues in Human Resource Management

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

MGN509 HRM Project 1

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

MGN510 HRM Project 2

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

MGN534 Contemporary Issues in Entrepreneurship

Equivalents: GSN234
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

MGX201 Contemporary Employment Relations (Outbound Exchange)

Equivalents: MGB201
Credit Points: 12
Campus: EXCHANGE and External
Teaching Periods: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

MGX207 Human Resource Issues and Strategy (Outbound Exchange)

Equivalents: MGB207
Credit Points: 12
Campus: EXCHANGE and External
Teaching Periods: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

MGX210 Managing Operations (Outbound Exchange)

Equivalents: MGB210
Credit Points: 12
Campus: EXCHANGE and External
Teaching Periods: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

MGX220 Human Resource Decision Making (Outbound Exchange)

Equivalents: MGB220
Credit Points: 12
Campus: EXCHANGE and External
Teaching Periods: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

MGX223 Entrepreneurship and Innovation (Outbound Exchange)

Equivalents: MGB223
Credit Points: 12
Campus: EXCHANGE and External
Teaching Periods: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

MGX225 Intercultural Communication and Negotiation Skills (Outbound Exchange)

Equivalents: MGB225
Credit Points: 12
Campus: EXCHANGE and External
Teaching Periods: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

MGX309 Strategic Management (Outbound Exchange)

Equivalents: MGB309
Credit Points: 12
Campus: EXCHANGE and External
Teaching Periods: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

MGX310 Sustainability in a Changing Environment (Outbound Exchange)

Equivalents: MGB310
Credit Points: 12
Campus: EXCHANGE and External
Teaching Periods: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

MGX320 Recruitment and Selection (Outbound Exchange)

Equivalents: MGB320
Credit Points: 12
Campus: EXCHANGE and External
Teaching Periods: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

MGX324 Managing Business Growth (Outbound Exchange)

Equivalents: MGB324
Credit Points: 12
Campus: EXCHANGE and External
Teaching Periods: 2014 XCH-2 (EXT); 2014 XCH-1 (EXT)

This exchange unit is only available for selection to students on an approved exchange program.

MGX331 Learning and Development in Organisations (Outbound Exchange)

Equivalents: MGB331
Credit Points: 12
Campus: EXCHANGE and External

This exchange unit is only available for selection to students on an approved exchange program.
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MGX335 Project Management (Outbound Exchange)

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<thead>
<tr>
<th>Pre-requisites</th>
<th>MG210 and MG309 or MG210 and AMB303</th>
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<tbody>
<tr>
<td>Anti-requisites</td>
<td>KXB202</td>
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<td>Teaching Periods</td>
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This exchange unit is only available for selection to students on an approved exchange program.

MGX339 Performance and Reward (Outbound Exchange)

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<td>Teaching Periods</td>
<td>2014 XCH-2 (EXT); 2014 XCH-1 (EXT)</td>
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This exchange unit is only available for selection to students on an approved exchange program.

MGX340 International Business in the Asia-Pacific (Outbound Exchange)

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<th>Equivalents</th>
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<td>2014 XCH-2 (EXT); 2014 XCH-1 (EXT)</td>
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This exchange unit is only available for selection to students on an approved exchange program.

MGX341 Operational Risk Management (Outbound Exchange)

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<td>Anti-requisites</td>
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This exchange unit is only available for selection to students on an approved exchange program.

MGX370 Personal and Professional Development (Outbound Exchange)

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<td>2014 XCH-2 (EXT); 2014 XCH-1 (EXT)</td>
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This exchange unit is only available for selection to students on an approved exchange program.

MGX444 Business in Asia (Outbound Exchange)

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<th>Equivalents</th>
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<td>2014 XCH-2 (EXT); 2014 XCH-1 (EXT)</td>
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This exchange unit is only available for selection to students on an approved exchange program.

MGX445 Business in Europe (Outbound Exchange)

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This exchange unit is only available for selection to students on an approved exchange program.

MGX446 Business in Australia (Outbound Exchange)

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<th>Equivalents</th>
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<td>EXCHANGE and External</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 XCH-2 (EXT); 2014 XCH-1 (EXT)</td>
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</table>

This exchange unit is only available for selection to students on an approved exchange program.

MGX447 Managing in a Globalised Economy (Outbound Exchange)

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<th>Equivalents</th>
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This exchange unit is only available for selection to students on an approved exchange program.

MGX448 Negotiating Across Borders (Outbound Exchange)

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<tr>
<td>Teaching Periods</td>
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This exchange unit is only available for selection to students on an approved exchange program.

MGX449 Introductory Calculus and Algebra

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<thead>
<tr>
<th>Equivalents</th>
<th>MAB100, MAB120, MAB125, MAB180</th>
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<td>Credit Points</td>
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<tr>
<td>Campus</td>
<td>Gardens Point</td>
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<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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</table>

This unit extends high school calculus as well as introducing concepts and skills in matrices, vectors and complex numbers. This unit addresses the need of some students for additional preparation in their transition from high school to university, particularly those who have not studied Queensland Senior Mathematics C or equivalent. Students completing the Bachelor of Mathematics may choose to study this unit as an "Option unit" only.

MXB101 Probability and Stochastic Modelling 1

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<tr>
<th>Equivalents</th>
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<td>2014 SEM-1 (INT)</td>
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</table>

This unit provides you with an introduction to probability and shows you how to apply its concepts to solve practical problems. The unit will lay the foundations for further studies in statistics, operations research and other areas of mathematics and help you to develop your problem-solving and modelling skills. The topics covered include: basic probability rules, conditional probability and independence, discrete and continuous random variables, bivariate distributions, central limit theorem, goodness-of-fit tests, introduction to Markov chains.

MXB102 Abstract Mathematical Reasoning

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</table>

This unit establishes the foundations of abstract mathematical reasoning. It introduces the view of mathematics as axiomatic and emphasizes the role of proof in mathematics. The unit explains foundational tools such as logic and sets to develop number systems, elementary number theory, and algebra. The importance of these techniques is demonstrated with applications in algorithmic analysis and public key cryptography. The tools established in this unit will serve as a foundation throughout your mathematics studies.

MXB103 Introductory Computational Mathematics

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<tr>
<th>Equivalents</th>
<th>MAB220</th>
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<td>2014 SEM-1 (INT)</td>
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</table>

This unit develops your knowledge, skills and application of computational methods and techniques for solving real world problems using computers. The units focuses on both theoretical development of computational methods and their practical implementation using the world-leading computational software MATLAB. The fundamental skills you acquire will be essential throughout your degree. More advanced study in this area is provided in the Applied and Computational Mathematics major.

MXB104 Symmetry, Chaos and Fractals

| Pre-requisites | MXB103 or MAB220. MXB103 can be studied in the same teaching period as MXB104 |

This section covers symmetry, chaos and fractals, which are key concepts in modern mathematics and have applications in various fields such as computer science, physics, and biology.
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/. CRICOS No.00213J

This unit introduces advanced topics to first year mathematics students. The emphasis is on discovering the beauty and wonder of mathematics without high level calculus. Discrete dynamical systems are used to illustrate key features of mathematical modelling and to unlock the mysteries of chaos and fractals. Complexity and pattern formation will be explored with the use of the mathematical programming language Matlab. Students may choose to study this unit as an “Option unit” in the Bachelor of Mathematics.

MXB105 Calculus of One and Two Variables

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<tr>
<th>Equivalents</th>
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<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
<td>MAB111, MAB121, MAB126, MAB131 MAB182</td>
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This unit introduces you to university level single variable calculus and simple multivariable calculus, building on prior assumed knowledge equivalent to high school differential and integral calculus. Topics include continuity and differentiability of functions, differential calculus (single and multi variable), Taylor series, integral calculus (single and multi variable). Multivariable and vector-valued functions are introduced and explored and natural extensions of the concepts of differentiation and integration to such functions are developed and investigated. This unit builds fundamental skills for you to transition to second year units and the majors, including applications of interest in each Major area of study.

MXB106 Linear Algebra and Differential Equations

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<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
<td>MAB112, MAB122, MAB127, MAB132</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
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This unit introduces you to university level linear algebra and ordinary differential equations. Linear algebra, assumed knowledge for this unit, is extended with you investigating non-square linear systems of equations and the Eigenvalue problem. Differential equations, also assumed knowledge for the unit, are investigated in more detail including exposure to second order equations. This unit builds fundamental skills for you to transition to second year units and the Majors of the Bachelor of Mathematics, including applications of interest in each major area of study.

MXB107 Statistical Models for Data: Relationships and Effects

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<td>12</td>
<td>Gardens Point</td>
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Describing and understanding relationships in data is important in both scientific exploration and understanding. Building on methodology from prior studies in probability and stochastic modelling, this unit focuses on the statistical modelling of data with an emphasis on relationships and effects for purposes of statistical inference, prediction and validation.

Attention is also given to the challenges that analysing real-world datasets pose with alternative statistical techniques which yield the valid inference. This unit provides an introduction to some of the advanced material covered in the latter parts of the Statistical Science major.

MXB161 Computational Explorations

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<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
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This unit provides you with a practical understanding of computer-based solutions to scientific problems from a wide range of interdisciplinary application areas. You will have the opportunity to develop computing and visualisation skills and apply these to solve real world problems involving topics such as image and sound processing, fractals and random walk simulations. These skills are developed further in later semesters, where there are opportunities to study MXB262 (Visualising Data), MXB362 (Advanced Visualisation and Data Science), and MXB261 (Modelling and Simulation Science).

MXB261 Modelling and Simulation Science

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<th>Equivalents</th>
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<tbody>
<tr>
<td>INB380, MAB480</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
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</table>

This unit aims to provide you with the knowledge to apply computational techniques used for simulations (and visualisation) in a selection of application areas where the scientific problems are characterised by widely varying scales, both in space and time. Through this study you will be able to demonstrate knowledge of the development and implementation of simulation algorithms. You can further develop your knowledge of visualisation through units MXB262 (Visualising Data) and MXB362 (Advanced Visualisation and Data Science), as well as extending your knowledge of computational science through the unit MXB361 (Aspects of Computational Science).

MXB262 Visualising Data

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<th>Equivalents</th>
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<th>Teaching Periods</th>
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<tbody>
<tr>
<td>MAB481</td>
<td>12</td>
<td>null</td>
<td>2014 SEM-2 (INT)</td>
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</table>

This unit introduces students to data visualisation concepts and techniques, along with practical experience in the use of modern day data visualisation software tools to allow students to explore complex systems and dynamically visualise simulations. These skills are developed further in a later semester (MXB362 Advanced Visualisation and Data Science).

MXB101 Modelling with Introductory Calculus

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<tr>
<td>MAB105</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
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This unit develops the learner’s understanding of a range of foundational mathematical concepts related to number systems, algebra and calculus, including a range of additional function types. The development of these concepts is done in context through their application to a range of life-related problems, in particular the physical world. Throughout the unit, technology will play a prominent role in developing conceptual understanding and the solution of problems. The knowledge developed in this unit provides a foundation for the units MZB201 and MZB202.

MZB102 Trigonometry, Geometry and Space

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<tr>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
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This unit develops the learner’s understanding of space, geometry and trigonometry. The development of these concepts is done in context through their application to a range of life-related problems, in particular those from the physical world. Throughout the unit, technology will play a prominent role in developing conceptual understanding and the solution of problems. The knowledge developed in this unit will be further extended and applied in MZB202.

MZB151 Mathematical Tools for Computing

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<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-2 (INT)</td>
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Many application areas within Computer Science use standard mathematical methods as tools for analysis and processing of information. This unit provides an introduction to some basic mathematical methods that will be useful to you in your further studies in Computer Science, including basic matrix and vector operations, introductory probability and statistics and basic concepts in differentiation and integration.

MZB190 Mathematics for Exercise Science

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<tr>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
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This unit is intended to cater for the quantitative skills and mathematics needs of students undertaking studies in Exercise and Movement Science and in Clinical Exercise Physiology. It is intended to provide mathematical concepts and quantitative skills needed for successful study of those courses. The aim of this unit is to develop your mathematical skills in and understanding of algebra, functions and graphing, some data analysis and to interpret and solve simple, real world problems using these skills.

MZB191 Applied Introductory Mathematics

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<tr>
<td>12</td>
<td>null</td>
<td>2014 SEM-1 (INT)</td>
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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 or sound achievement in Senior Mathematics C or equivalent. Students should note that some courses, including the Bachelor of Mathematics, do not allow this unit to contribute to the degree.

### NQB302 Earth Surface Systems

**Equivalents:** NRB301

**Credit Points:** 12

**Campus:** null

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.

### NQB311 Mineralogy

**Equivalents:** NRB333

**Credit Points:** 12

**Campus:** null

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.

### NQB314 Sedimentary Geology

**Equivalents:** NRB331

**Credit Points:** 12

**Campus:** null

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.

### NQB321 Ecology

**Pre-requisites:** SCB110 or SCB112

**Equivalents:** NRB311

**Credit Points:** 12

**Campus:** null

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 collectives 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.

### NQB322 Invertebrate Biology

**Equivalents:** NRB370

**Credit Points:** 12

**Campus:** null

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.

### NQB323 Plant Biology

**Pre-requisites:** SCB112

**Equivalents:** NRB371

**Credit Points:** 12

**Campus:** null

This unit provides students with an introduction to fundamental evolutionary and ecological concepts in plant sciences. It aims to provide the basis for a conceptual framework and understanding of the diversity of plants with a particular emphasis on the Australian flora and the development of plant identification skills.

### NQB403 Soils and the Environment

**Pre-requisites:** NQB302 or NRB301 or (ENB272 and ENB274)

**Equivalents:** null

**Credit Points:** 12

**Campus:** null

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 complements and provides a basis for further biogeochemical 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.

### NQB411 Petrology of Igneous and Metamorphic Rocks

**Pre-requisites:** NQB311 or NRB333

**Equivalents:** NRB436

**Credit Points:** 12

**Campus:** null

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) 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.

### NQB412 Structural Geology and Field Methods

**Pre-requisites:** NQB314 or NQB311

**Equivalents:** NRB434

**Credit Points:** 12

**Campus:** null

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.

### NQB413 Stratigraphy

**Pre-requisites:** NQB314 or NRB331

**Equivalents:** NRB437

**Credit Points:** 12

**Campus:** null

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.

### NQB421 Experimental Design

**Pre-requisites:** MAB101 or MAB104 or MAB105 , and NQB321 or NRB311

**Equivalents:** NRB412

**Credit Points:** 12

**Campus:** null

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 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.

### NQB422 Genetics and Evolution

**Pre-requisites:** SCB112

**Equivalents:** NRB410

**Credit Points:** 12

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.
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.

NQB423 Vertebrate Biology

Pre-requisites: SCB112
Equivalents: NRB470
Credit Points: 12
Campus: null

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.

NQB501 Environmental Modelling

Pre-requisites: NQB412 or NQB421
Equivalents: NRB500
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

NQB502 Field Methods in Natural Resource Sciences

Pre-requisites: (NQB302 and (NQB321 or NQB424)) or (NQB411 and NQB412)
Equivalents: NRB601
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

NQB512 Economic Geology

Pre-requisites: NQB411, NQB413
Anti-requisites: NRB535
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

This 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.

NQB513 Geophysics

Pre-requisites: (NQB201 or NRB230) and (NQB412 or NQB434)
Equivalents: NRB534
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

NQB521 Population Genetics and Molecular Ecology

Pre-requisites: NQB422
Anti-requisites: NRB510
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

This unit is an extension of NQB422 Genetics and Evolution. Topics include the genetic structure of populations and processes of evolutionary change; natural selection, inheritance and adaptation, species and speciation theory; ecological genetics; the genetics of behaviour.

NQB523 Population Management

Pre-requisites: NQB321, NQB421
Anti-requisites: NRB511
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

NQB601 Sustainable Environmental Management

Equivalents: NRB600
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.

NQB612 Basin Analysis and Petroleum Geology

Pre-requisites: (NQB413 or NRB437) and (NQB513 or NRB534)
Equivalents: NRB636
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.

NQB613 Plate Tectonics

Pre-requisites: (NQB412 or NRB434) and (NQB314 or NRB331) and (NQB411 or NRB436) and (NQB513 or NRB534)
Equivalents: NRB635
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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 orogeny. It also examines the development of the most important geologic theory of the 20th century.
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.

NQB615 Geochemistry

Pre-requisites: NQB311
Equivalents: NRB356
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

This unit aims to allow students to have the theoretical knowledge and practical skills necessary to use the wide range of geochemical tools that are standard for modern geoscientists to address environmental and geological problems.

NQB622 Conservation Biology

Pre-requisites: NQB321 or NRB311, and NQB422 or NRB410
Equivalents: NRB611
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.

NQB623 Ecological Systems

Pre-requisites: NQB321 or NRB311
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.

NQB614 Groundwater Systems

Pre-requisites: NQB302 or NRB301 or ENB383
Equivalents: NRB633
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.)

NQB720 Project

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.)

NQB730 Research Methods and Strategies

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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 an oral presentation of that proposal. (24 credit points achieved at completion of NRB730-1 and NRB730-2.)

NQB730 Research Methods and Strategies

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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
NRNB735 Advanced Studies in Resource Sciences
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

NRNR100 Readings in Natural Resource Sciences 1
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

NRNR101 Readings in Natural Resource Sciences 2
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This is a companion unit to NRNR100 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 NRNR100 and NRNR101. In this case, the review should be approximately 10,000 words and be a critical analysis of a substantial research area.

NRNR102 Confirmation of Candidature Seminar
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (EXT, INT); 2014 SEM-2 (EXT, INT)

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 background to the project area, specific objectives of the proposed 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.

NRNR103 Final Seminar
Pre-requisites: NRNR102
Credit Points: 12
Campus: Gardens Point and External
Teaching Periods: 2014 SEM-1 (EXT, INT); 2014 SEM-2 (EXT, INT)

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.

NRNR104 Advanced Topics in Natural Resource Sciences 1
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

NRNR105 Advanced Topics in Natural Resource Sciences 2
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

Material presented in this unit must be distinct from that covered in NRNR104. 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.

NSB011 Clinical Practice 1
Pre-requisites: NSB010
Equivalents: NSB225
Credit Points: 12
Campus: Caboolture and Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This is the first in a series of six clinical practice units that will assist you to develop knowledge, skills and attributes required for safe, competent practice in the health workplace as a beginning level registered nurse. Learning outcomes from this unit form a foundation that will be successively built upon as you progress through the course.

NSB012 Clinical Practice 2
Pre-requisites: NSB011 and (NSB021 or NSB118 or PUB280 or CSB332), (NSB021 or CSB332) can be studied in the same teaching period as NSB012
Equivalents: NSB122
Credit Points: 12
Campus: Caboolture and Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This is the second in a series of six clinical practice units that will assist you to develop knowledge, skills and attributes required for safe, competent practice in the health workplace as a beginning level registered nurse. Learning outcomes of this unit form a foundation that will be successively built upon as you progress through the course. This is a designated unit. Designated units include professional experience units, units requiring the development of particular personal qualities, and are deemed to be critical to progress in your course. Failure to successfully complete the requirements of this unit may lead to a period of probation or exclusion from this course.

NSB013 Clinical Practice 3
Pre-requisites: (NSB012 or NSB122) or NSB010, NSB010 can be enrolled in the same study period as NSB013
Equivalents: NSB212
Credit Points: 12
Campus: Caboolture and Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This is the third in a series of six clinical practice units that will assist you to further develop knowledge, skills and attributes required for safe, competent practice in the health workplace as a beginning level registered nurse. Learning outcomes of this unit support your ongoing development of nursing attributes as you progress through the course. This is a designated unit. Designated units include professional experience units, units requiring the development of certain personal qualities, and are deemed to be critical to progress in your course. Failure to successfully complete the requirements of this unit...
may lead to a period of probation or exclusion from this course.

**NSB014 Clinical Practice 4**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>(NSB013 or NSB212) and (LSB182 or LSB111)</td>
<td>NSB222</td>
<td>12</td>
<td>Caboolture and Kelvin Grove</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

This is the fourth in a series of six clinical practice units that will assist you to develop knowledge, skills and attributes required for safe, competent practice in the health workplace as a beginning level registered nurse. Learning outcomes of this unit build on your past clinical experiences and inform your future development and progression though the course. This is a designated unit. Designated units include professional experience units, units requiring the development of particular skills, and units requiring the demonstration of certain personal qualities, and are deemed to be critical to progress in your course. Failure to successfully complete the requirements of this unit may lead to a period of probation or exclusion from this course.

**NSB015 Clinical Practice 5**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>(NSB014 or NSB222) and (LSB282 or LSB382 or LSB111)</td>
<td>NSB322</td>
<td>12</td>
<td>Caboolture and Kelvin Grove</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
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</tbody>
</table>

This is the fifth unit in the series of clinical practice units that provide you with the opportunity to consolidate the knowledge, skills and attributes required for safe, competent practice in the health workplace as a beginning level registered nurse. Learning outcomes of this unit build on previous clinical units and draw upon concepts, principles and theories that have been developed through your studies in nursing and related sciences. Learning outcomes in this unit contributes to your transition into the registered nurse role.

**NSB016 Clinical Practice Capstone**

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Completion of 168cp of Nursing Units (NS’S) inc NSB015 and Completion of 48cp of Life Sc units (LS5) and Completion of LWS101 or PYB304 for HL47 students</td>
<td>NSB333</td>
<td>24</td>
<td>Caboolture and Kelvin Grove</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

This is the final unit in the series of clinical practice units that provide you with the opportunity to consolidate the knowledge, skills and attributes required for safe, competent practice in the health workplace as a beginning level registered nurse. Learning outcomes of this unit build on previous clinical units and draw upon concepts, principles and theories that have been developed through your studies in nursing and related sciences. This capstone unit informs your transition toward the registered nurse role.

**NSB017 Diversity and Health: Cultural Safety, Indigenous Perspectives**

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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</thead>
<tbody>
<tr>
<td>NSB113</td>
<td>12</td>
<td>Caboolture and Kelvin Grove</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

The culture of our health care system is based on the western scientific world view of the dominant Anglo-Australian culture. An understanding of the impact of culture on all aspects of the health and historical and cultural issues that influence the health and wellness of Aboriginal people, Torres Strait Islanders and other Australians is essential to the provision of culturally safe nursing care across all practice settings. Australia is a culturally diverse nation and respecting and valuing diversity is an essential aspect of living and working here. To be effective health care providers, nurses need knowledge, skills and values which enable them to provide person-centered, holistic nursing care to clients from all backgrounds and lifestyles. The conceptual and critical frameworks developed in this unit carry over into the learning you do throughout your program of study.

**NSB018 Professional Studies 1: Introduction to the Profession of Nursing**

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<tr>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
<td>NSB117</td>
<td>12</td>
<td>Caboolture and Kelvin Grove</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

This is the first in a series of three Professional Studies units that will enable you to develop knowledge, skills and attributes expected of professional practice as a registered nurse. Learning outcomes of this unit form a foundation that will be successively built upon as you progress though the course.

**NSB019 Professional Studies 2: Research, Evidence and Nursing Practice**

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<thead>
<tr>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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</thead>
<tbody>
<tr>
<td>NSB224</td>
<td>12</td>
<td>Caboolture and Kelvin Grove</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

This is the second in a series of three Professional Studies units that will assist you to develop knowledge, skills and attributes expected of professional practice as a registered nurse. Learning outcomes of this unit will be built upon as you progress though the course.

**NSB020 Professional Studies 3: Transitioning to RN Practice**

<table>
<thead>
<tr>
<th>Equivalents</th>
<th>Credit Points</th>
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<tr>
<td>NSB223</td>
<td>12</td>
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</table>

This is the third in a series of Professional Studies units that will assist you to develop knowledge, skills and attributes of professional practice as a registered nurse. Learning outcomes of this unit will be applied throughout your studies in this final year of the course.

**NSB021 Nursing Practice in Context 1**

<table>
<thead>
<tr>
<th>Anti-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
<td>NSB118</td>
<td>12</td>
<td>Caboolture and Kelvin Grove</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

This unit is the first in a series of six, Nursing Practice in Context, units. This suite of units introduces you to health, wellness and illness and the contexts where these occur and are promoted or treated. Considering global and social impacts on health, and Australian national health priorities, this suite of units examines common disease processes, health assessments, nursing interventions, along with health promotion and nursing therapeutics. Nursing Practice in Context 1 focuses on developing your understanding of a core professional attribute: clinical judgement, and beginning your learning journey of understanding the nurse’s role in healthcare. This unit focuses on activities of daily living, contexts of practice in caring for people across the lifespan and collecting and documenting health information. This will facilitate your acquisition of the required knowledge and skills to deliver sound, holistic nursing care in a multitude of clinical settings.

**NSB022 Nursing Practice in Context 2**

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<tr>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
<td>NSB324</td>
<td>12</td>
<td>Caboolture and Kelvin Grove</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

This unit is the second in a series of six, Nursing Practice in Context, units. This suite of units develops your knowledge of health, wellness and illness and the contexts where these occur and are promoted or treated. Nursing Practice in Context 2 focuses on continuing the development of your understanding of a core professional attribute: clinical judgement, and furthering your learning journey through knowledge related to the patient journey, primary health care, chronic disease and acute care settings and also cardiovascular and respiratory health. This will facilitate your acquisition of the required knowledge and skills to deliver sound, holistic nursing care in a multitude of clinical settings.

**NSB023 Nursing Practice in Context 3**

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<tr>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
<td>NSB223</td>
<td>12</td>
<td>Caboolture and Kelvin Grove</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

This unit is the third in a series of six, Nursing Practice in Context, units. This suite of units introduces you to health, wellness and illness and the contexts where these occur and are promoted or
treated. Nursing Practice in Context 3 focuses on the continuing the developments of your understanding of a core professional attribute; clinical judgement, and furthering your learning journey through knowledge related to a key national health priority, mental health. This will facilitate your acquisition of the required knowledge and skills to deliver sound, holistic nursing care of clients with mental health issues in a multitude of clinical settings.

NSB024 Nursing Practice in Context 4

Pre-requisites: NSB021 or NSB118 or NSB022
Equivalents: NSB423
Credit Points: 12
Campus: Caboolture and Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit is the fourth in a series of six, Nursing Practice in Context, units. This suite of units introduces you to health, wellness and illness and the contexts where these occur and are promoted or treated. Nursing Practice in Context 4 focuses on continuing the development of your understanding of a core professional attribute; clinical judgement, and furthering your learning journey through knowledge related to endocrine, gastrointestinal, genitourinary and musculoskeletal health. This will facilitate your acquisition of knowledge and skills to deliver sound, holistic nursing care in a multitude of clinical settings.

NSB025 Nursing Practice in Context 5

Pre-requisites: NSB500
Credit Points: 12
Campus: Caboolture and Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit is the fifth in a series of six, Nursing Practice in Context, units. This suite of units introduces you to health, wellness and illness and the contexts where these occur and are promoted or treated. Nursing Practice in Context 5 focuses on continuing the development of your understanding of a core professional attribute; clinical judgement, and furthering your learning journey through knowledge related to neurological, renal healthcare and cancer and palliative care contexts. This will facilitate your acquisition of the required knowledge and skills to deliver sound, holistic nursing care in a multitude of clinical settings.

NSB026 Nursing Practice Capstone

Pre-requisites: Completion of 168cp of Nursing Units (NS’) inc NSB015 and Completion of 48cp of Life Sc units (LS’) and Completion of LWS101 or (Completion of CSB342)
Equivalents: NSB503
Credit Points: 12
Campus: Caboolture and Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit is the final in a series of six, Nursing Practice in Context, units. This suite of units develops your understanding of health, wellness and illness and the contexts where these occur and are promoted or treated. The Nursing Practice Capstone unit informs your transition toward the beginning registered nurse role through focusing on the integration of knowledge and skills that you have acquired throughout your studies. This will facilitate the consolidation of knowledge and skills required for the delivery of safe, competent, holistic nursing care in a variety of clinical settings.

NSB412 Clinical Elective

Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

NSB600 Introduction to Nursing Children and Childbearing Families

Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (EXT, BLK); 2014 SEM-2 (EXT, BLK)

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.

NSB602 Pain Management and Nursing Practice

Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (EXT, BLK); 2014 SEM-2 (EXT, BLK)

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.

NSB603 Introduction to Cardiothoracic Nursing

Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

NSB604 Nursing Practice and the Older Person

Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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 and 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.

NSB606 Palliative Care Nursing

Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

NSB607 Nursing Informatics and eHealth

Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (EXT); 2014 SEM-2 (EXT)

The Australian Government is committed to eHealth and is currently facilitating the transition of paper-based clinical record keeping to electronic means to facilitate better information exchange. Additionally, the Department of Health and Ageing is currently progressing foundational activities in this field and is exploring early use of Healthcare Identifiers Service and the Personally Controlled Electronic Health Record system for all Australians. To enhance the capacity of the nursing workforce allowing them to engage in the digital processing of information is critical. Future nurses will be required to possess information technology skills which will allow them to both manage future aspects of health care and to influence healthcare reform and nursing practice.

NSB720 Challenges in Midwifery Practice

Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

Midwifery Practice in Context, units. This suite of units introduces you to health, wellness and illness and the contexts where these occur and are promoted or treated. Midwifery Practice in Context 4 focuses on continuing the development of your understanding of a core professional attribute; clinical judgement, and furthering your learning journey through knowledge related to childbirth 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.

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ . CRICOS No.00213J
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.

NSB810 Clinical Project in Midwifery Practice

Pre-requisites

NSB224 and (NSB500 or NSB025) NSB820

Credit Points

12

Campus

Kelvin Grove

Teaching Periods

2014 SEM-1 (INT)

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 risk of a clinical midwifery project that reflects students' clinical practice and development.

NSB820 Integrated Practicum A

Pre-requisites

(NSB322 or NSB015) and NSB710 and NSB725

Credit Points

24

Campus

Kelvin Grove

Teaching Periods

2014 SEM-1 (INT)

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.

NSB825 Integrated Practicum B

Pre-requisites

NSB820

Credit Points

24

Campus

Kelvin Grove

Teaching Periods

2014 SEM-2 (INT)

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. This is a designated unit.

NSB800 Critical Issues in Neonatal Care

Pre-requisites

NSB720

Credit Points

12

Campus

Kelvin Grove

Teaching Periods

2014 SEM-1 (INT)

This unit provides you with a sound basis for midwifery practice in the area of the unwell neonate, by providing learning opportunities in relation to the critical issues and factors that influence neonatal health and family wellbeing.

NSB805 Australian Indigenous and Global Perspectives in Midwifery Practice

Pre-requisites

NSB700

Credit Points

12

Campus

null

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.

NSN002 Key Issues in Paediatrics and Child Health

Credit Points

12

Campus

null

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.

NSN003 Principles of Paediatric, Child and Youth Health Nursing

Credit Points

12

Campus

Kelvin Grove and External

Teaching Periods

2014 SEM-1 (INT, EXT)

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.

NSN004 Acute Paediatric Nursing

Credit Points

12

Campus

External

Teaching Periods

2014 SEM-1 (EXT)

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.

NSN005 Community Child and Youth Health Nursing

Credit Points

12

Campus

null

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.
## Units

### NSN006 Specialisation in Paediatric, Child and Youth Health Nursing

**Credit Points:** 12  
**Campus:** Kelvin Grove and External  
**Teaching Periods:** 2014 SEM-1 (INT, EXT)

This unit will provide students with clinical knowledge and understanding in a selected area of paediatric or child and youth health sub-specialty. The unit is based on a learning contract that will include both theoretical and clinical learning activities and assessment.

### NSN007 Advanced Chronic Care Nursing Practice

**Credit Points:** 12  
**Campus:** Kelvin Grove and External  
**Teaching Periods:** 2014 SEM-2 (INT, EXT)

This unit further develops registered nurses’ capability to manage co-morbid chronic health conditions within an effective interdisciplinary healthcare team environment.

### NSN008 Specialisation in Chronic Care Nursing

**Credit Points:** 12  
**Campus:** Kelvin Grove and External  
**Teaching Periods:** 2014 SEM-2 (INT, EXT)

This unit further develops registered nurses’ capability to provide contemporary nursing interventions for people with chronic health conditions.

### NSN009 Specialisation in Caring for Children and Families

**Anti-requisites:** NSN004, NSN005  
**Credit Points:** 12  
**Campus:** Kelvin Grove and External  
**Teaching Periods:** 2014 SEM-2 (EXT, INT)

This unit will develop your specialist knowledge and skills in paediatric, community child and youth health nursing.

### NSN100 Contexts of Women’s Health

**Credit Points:** 12  
**Campus:** Kelvin Grove and External  
**Teaching Periods:** 2014 SEM-1 (EXT, INT)

This unit explores a selection of sociocultural, political, geographical and clinical trends and issues that influence women's health in Australia and internationally.

### NSN421 Assessment and Diagnosis in Extended Practice

**Pre-requisites:** Admission into NS86, NS32 and NS85 students should apply for a waiver  
**Credit Points:** 12

On successful completion of this unit you 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; and formulating strategies for promoting the uptake of evidence-based practice.

### NSN422 Pharmacology and Therapeutics in Extended Nursing Practice

**Pre-requisites:** Admission into NS86, NS32 and NS85 students should apply for a waiver  
**Credit Points:** 12  
**Campus:** Kelvin Grove and External  
**Teaching Periods:** 2014 SEM-1 (INT, EXT)

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.

### NSN423 Nurse Practitioner Role Development

**Credit Points:** 12  
**Campus:** Kelvin Grove and External  
**Teaching Periods:** 2014 SEM-1 (INT, EXT)

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 specialty 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.

### NSN424 Evidence-based Practice

**Credit Points:** 12  
**Campus:** null

On successful completion of this unit you 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; and formulating strategies for promoting the uptake of evidence-based practice.

### NSN425 Nurse Practitioner Internship

**Pre-requisites:** NSN425-1  
**Co-requisites:** NSN428  
**Credit Points:** 12  
**Campus:** Kelvin Grove and External  
**Teaching Periods:** 2014 SEM-2 (INT, EXT)

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.

### NSN426 Advanced Pharmacology and Therapeutics in Speciality Nursing Practice

**Credit Points:** 12  
**Campus:** Kelvin Grove and External  
**Teaching Periods:** 2014 SEM-2 (INT, EXT)

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.

### NSN427 Prevention of Violence Against Women

**Credit Points:** 12  
**Campus:** null

The unit explores the prevalence, incidence, and impact of abuse on the individual, family, community
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.

NSN508 Thesis Preparation
Pre-requisites: Completion of 48cp in NSN% units
Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (EXT, INT); 2014 SEM-2 (EXT, INT)

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.

NSN504 Clinical Fellowship
Credit Points: 24
Campus: null

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 specialty. 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 specialty.

NSN506 Nursing Leadership Project
Pre-requisites: Completion of 96cp in NSN% units
Credit Points: 24
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (INT, EXT); 2014 SEM-2 (EXT, INT)

This unit provides an opportunity for you to contextualise the learning to their discipline area.

This is undertaken in the last semester of the course to enhance the transition from the course into practice. Nurse practitioners must understand and negotiate the contemporary discipline- and specialty-specific trends and issues that affect their roles. The purpose of this unit is to enable students to synthesise prior knowledge and learning across the nurse practitioner course. The unit will assist students to consolidate specialist and discipline-specific knowledge and to apply learning to contemporary social, cultural, professional and political contexts, with a view to developing a coherent overview of the achievements, competencies and capabilities of the nurse practitioner and prepare students for the role as clinical leader.

NSN507 Contemporary Practice Issues
Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (INT, EXT)

This unit allows 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 aware of the broader social context in which service, delivery and care take place.

NSN523 Transitioning to Advanced Practice
Other requisites: Students must be working as a registered nurse in a clinical setting in Australia
Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-2 (INT, EXT)

This unit provides an opportunity for you to build upon your specialist knowledge and skills to transition towards the advanced practice nurse roles afforded within the registered nurse scope of practice.

NSN626 Contemporary Issues in Dementia
Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (EXT, INT)

This unit explores a range of the psychosocial, cultural, political, and clinical issues that are related to the increasing prevalence of dementia, in Australia and internationally.

NSN701 Advanced Health Assessment
Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (INT, EXT)

This unit provides an opportunity for you to develop your specialist knowledge and skills in advanced health assessment. There are two streams offered in the unit, an adult focused and a paediatric stream.

NSN721 Key Issues in Emergency and Intensive Care Nursing
Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (INT, EXT)

This unit provides an opportunity for you to develop your specialist knowledge and skills in emergency and intensive care nursing. This unit links to learning in NSN723 Specialisation in Emergency Nursing and NSN722 Principles of Intensive Care Nursing. You will develop insight into life threatening health care situations involving trauma and respiratory disorders requiring assisted ventilation.

NSN722 Principles of Intensive Care Nursing
Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-2 (INT, EXT)

This unit provides an opportunity for you to acquire specialist knowledge and skills in intensive care nursing across the life span. The unit links to learning in NSN721 Key Issues in Emergency and Intensive
In this unit you will advance your knowledge of Nursing Practice in Specialist Acute or Cancer environments. You will develop an understanding of triage, contemporary management of patients across the lifespan, and emergency presentations frequently encountered. This unit provides an opportunity for you to develop your specialist knowledge and skills in emergency nursing. The unit links to NSN721 Key Issues in Emergency and Intensive Care Nursing. You will develop an understanding of triage, contemporary management of patients across the lifespan, and emergency presentations frequently encountered.

**NSN723 Specialisation in Emergency Nursing**

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This unit provides an opportunity for you to develop your specialist knowledge and skills in emergency nursing. The unit links to NSN721 Key Issues in Emergency and Intensive Care Nursing. You will develop an understanding of triage, contemporary management of patients across the lifespan, and emergency presentations frequently encountered.

**NSN724 Specialisation in Acute or Cancer Nursing**

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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, pathological and psychosocial underpinnings of advanced specialty or generalist practice; planning of appropriate strategies/interventions for client care; and development of selected technical skills.

**NSN725 Specialisation in Medical/Surgical and Cancer Nursing**

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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 acute care 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 acute care or cancer care environment. They will also initiate plans of care to address common problems/experiences encountered by clients in this specialist field.

**NSN726 Symptom Management in Specialist Acute or Cancer Nursing Practice**

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In this unit you will advance your knowledge of evidence-based principles and practices appropriate to the management of common symptoms and experiences of people who require nursing intervention in acute or cancer settings.

**NSN727 Emergency Nursing Practice in Unique Client Population**

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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.

**NSN728 Trends and Issues in Specialty Nursing Practice**

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This unit explores a selection of political, social and clinical trends and issues that influence specialty nursing practice. These trends and issues not only play a key role in the way nursing care is currently delivered-understanding their origin and direction will help you shape the future of nursing in gastroenterology clinical practice. This unit is a core unit in NSN32 Graduate Certificate of Nursing.

**NSN821 Promoting Healthy Ageing**

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This unit explores a range of the psychosocial, cultural, political, and clinical issues that are related to healthy ageing in Australia and internationally.

**NSN822 Palliation in Dementia**

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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.

**NSN825 Thesis (Part 1)**

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The thesis provides you with an opportunity to formally extend and synthesise knowledge gained in earlier semesters of the course over two semesters.

**NSN825 Thesis (Part 2)**

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The thesis provides you with an opportunity to formally extend and synthesise knowledge gained in earlier semesters of the course over two semesters.

**OPB351 Visual Science 3**

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This unit includes a study of the basic visual sciences that underpin 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.

**OPB352 Ocular Anatomy and Physiology 3**

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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.

**OPB353 Ophthalmic Optics 3**

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Ophthalmic Optics is a fundamental area of Vision Science and Optometry, as a majority of problems dealt with in these fields require optical solutions. It provides much of the optical basis for other units in the Optometry and Vision Science course dealing with optics, and thus is placed early in the course.
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.

OPB557 Binocular Vision
Pre-requisites OPB451 and OPB556
Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-2 (INT)
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.

OPB650 Diseases of the Eye 6
Pre-requisites OPB451 and OPB550 and OPB556
Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-2 (INT)
This is a continuation of OPB550 and covers the ocular manifestations of general disease, neuro-ophthalmology, glaucoma, infections/infections, tumours and trauma.

OPN162 Contact Lens Practice
Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-1 (INT)

OPN163 Primary Care Clinic 7
Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-1 (INT)

OPN164 Research Methods in Optometry and Vision Science
Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-1 (INT)

OPN261 Therapeutic Management of Eye Disease
Pre-requisites OPN163
Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-2 (INT)
Optometric practice allows appropriately trained optometrists to provide therapeutic pharmaceutical management of a range of eye diseases. It is important for optometrists to have a comprehensive knowledge of prescription drugs used in the management of eye disease, be able to develop treatment plans, and assess the outcomes of treatment. This unit aims to integrate your knowledge of eye disease and ocular pharmaceutical agents to allow you to safely and effectively develop treatment plans for your patients in optometric practice.

OPN262 Specialist Clinic 8
Pre-requisites OPN161, OPN162, and OPN163
Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-2 (INT)
This unit begins clinical practice in the specialist areas of contact lens practice and binocular vision and low vision. Through feedback from clinicians, students will begin development of clinical case management and problem solving strategies in these specialist areas of clinical practice. They will also develop higher level clinical examination techniques, reinforcing and refining clinical skills developed in the previous specialist clinical units in these areas.

OPN263 Primary Care Clinic 8
Pre-requisites OPN163
Co-requisites OPN261, OPN262
Credit Points 12
Campus Kelvin Grove
OPN264 Research Project

Pre-requisites: OPN164
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

OPN361 Research and Evidence Based Optometry

Pre-requisites: OPN262 and OPN263 and OPN264
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This unit is designed to provide an understanding of the relationships between research and clinical practice in the development of evidence-based practice for a growing profession. Current clinical issues of significance will also be reviewed.

OPN362 Specialist Clinic 9

Pre-requisites: OPN261 and OPN262 and OPN263
Co-requisites: OPN363 and OPN364
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This unit continues clinical practice in the specialist areas of binocular vision, paediatric optometry and vision rehabilitation to broaden their clinical experience. Through clinical practice in these areas, students will refine their specific problem solving strategies for these areas of clinical practice, and develop problem specific examination techniques, reinforcing and refining clinical skills developed in the previous units in these areas. Specialist Clinical Practice in contact lenses is continued from the previous semester (Specialist Clinic 8).

OPN363 Primary Care Clinic 9

Pre-requisites: OPN261 and OPN262 and OPN263
Co-requisites: OPN362 and OPN364
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This unit continues clinical optometric practice in the primary care area within the Optometry Clinic of the School of Optometry. Through further clinical practice, students will refine specific problem solving strategies in clinical practice, and problem specific examination techniques, reinforcing and refining clinical skills developed in the previous units. Students will take on a greater responsibility for clinical decision making and management, demonstrating early independence and responsibility in decision making and problem solving, beginning the transition to professional practice.

OPN364 Clinical Externship 9

Pre-requisites: OPN261 and OPN262 and OPN263
Co-requisites: OPN362 and OPN363
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This unit introduces clinical optometric practice in real world clinical learning environment by clinical placement in optometric practices, ophthalmology practices and other health care settings. Through clinical practice, students will develop specific problem solving strategies in clinical practice, and develop problem specific examination techniques, reinforcing and refining clinical skills developed in the previous units. Students will take on increasing responsibility for clinical decision making and management, demonstrating beginning independence in decision making and problem solving. This unit additionally fosters the transition to professional practice by placing the student in the real world environment of optometry and ophthalmology practices.

OPN461 Optometry in Professional Practice

Pre-requisites: OPN463 and OPN464
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

Most optometry graduates aspire to enter private practice, either as an employee or associate of another practitioner or firm of optometrists. In the latter case, they are frequently required to manage the practice. They must therefore be prepared in the areas of business, finance and practice management as they relate to optometry. The practice of Optometry is also regulated by several State and Federal Acts of Parliament and optometrists have moral and ethical responsibilities to their patients.

OPN462 Specialist Clinic 10

Pre-requisites: OPN363 and OPN362
Co-requisites: OPN463
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

This unit continues the clinical practice of specialist areas within optometry: contact lens practice, binocular vision, paediatric optometry and vision rehabilitation. Through further clinical practice in these areas, students will increase their knowledge and skill base in specialized clinical practice to allow a transition to independent practice.

OPN463 Primary Care Clinic 10

Pre-requisites: OPN363
Co-requisites: OPN462
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

This unit completes clinical optometric practice in the primary care area within the Optometry Clinic of the School of Optometry. Through clinical practice, students will exhibit specific problem solving strategies in clinical practice, and problem specific examination techniques, illustrating a consolidation and integration of their theoretical knowledge base and clinical skills developed through the previous units. Students will demonstrate significant responsibility for clinical decision making and management, demonstrating independence in decision making and problem solving as final preparation for their transition to professional practice.

OPP001 Ocular Therapeutics 1

Pre-requisites: OPN261 and OPN262 and OPN263
Co-requisites: OPN363 and OPN364
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

OPP002 Ocular Therapeutics 2

Pre-requisites: OPP001
Credit Points: 24
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

OPP002 is the major clinical component of OP43 Graduate Certificate in Ocular Therapeutics. Students will learn the major general and specific principles of management and treatment of eye disease in a manner compatible with quality use of medicines, with a special consideration of ocular topical preparations. The unit is also intended to prepare students for the clinical practicum unit of the course, OPP002.

OUB100 Yatdjulgin - Cultural Safety in Indigenous Australian context

Pre-requisites: OUB100
Credit Points: 12
Campus: null

Cultural Safety in an Indigenous Australian Context is
an Indigenous knowledge developed by Maori Nurse Ingridell Ramsden. Culturally safe practice is an essential element in a profession’s ability to work as a holistic and accountable professional with Indigenous Australian peoples and their communities. Whilst Cultural Safety commenced as a nursing and midwifery specific response, the need for a much wider discipline approach to educating culturally safe professionals is essential. An understanding of your own cultures and their potential impacts underpins the journey of becoming a culturally safe practitioner.

**OUB110 Am I black enough?**

**Indigenous Australian Representations**

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Aboriginal and Torres Strait Islander peoples, images and cultures, have been represented in a variety of media since colonisation. The purpose of this unit is to deconstruct these representations from Indigenous standpoints. You will develop understandings and skills to critically analyse media representations.

**OUB120 Smash the Act - Indigenous Australian Politics**

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This unit investigates the distinctive feature of Indigenous knowledge and perspectives as the philosophical underpinning of Indigenous Australian politics. This unit is delivered through authentic experiences and individualized instruction, and learning through enjoyment, including learning by observation, doing and being in a shared learning environment. Indigenous pedagogy supports students' cognitive search for learning and processes where they can internalize, reflect, deconstruct and reconstruct contemporary Indigenous Australian politics. Indigenous knowledges are both empirical (that is, based on experience) and normative (that is, based on social values).This unit embraces both the circumstances people find themselves in and their beliefs about those circumstances in a way that is unfamiliar to Eurocentric knowledge systems.

**OUB130 Indigenous Knowledge: Research Ethics and Protocols**

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This unit critically analyses and articulates culturally safe research that reflects de-colonising methodologies as an underpinning framework for Indigenous Australian research. The need for culturally safe research is supported by the obvious gaps in knowledge of the ongoing life differentials and social determinants that impact on Indigenous Australians. This in part is due to a profound lack of culturally safe research which has effectively neglected historical and Indigenous knowledges that can address the outstanding social determinants influencing Indigenous Australians and their communities.

**PCB121 Vision, Colour and Photometry**

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This is the first unit in the lighting suite of courses and aims to prepare students with the necessary grounding for future units in the course. All lectures in units that follow this will assume a good knowledge and understanding of the concepts and principles presented in this unit.

**PCB122 Lighting Design**

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This unit aims to introduce students to the basics of lighting design, taking into account both the requirements for lighting a space, as well as the practical issues. Both indoor and outdoor spaces are included. The software packages used are easily understood, as the aim of the unit is to teach students about lighting design, not how to use a lighting package.

**PCB123 Sustainability and Human Factors**

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In this unit you should develop an understanding of the performance issues of lamps and luminaires, both from a energy point of view and the human issues – does it meet the needs of the people working or at leisure in the space.

**PCB124 Lamps and Luminaires**

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This is an important unit in the lighting suite of courses because it describes the basic equipment that people working in any area of the lighting industry have to know and understand – the lights themselves. Understanding how a lamp works and how it performs helps people make informed decisions about the choices they have in choosing lamps for particular applications. All lectures in units that follow this will assume a good knowledge and understanding of the principles, properties and performances of light sources, including the emerging LED products.

**PCB150 Biomedical Physics**

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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.

**PCB172 Physics for Surveyors**

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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).

**PCB240 Optics 1**

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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.

**PCB272 Radiation Physics**

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Radiographers require a basic knowledge of general physics and more detailed theoretical background to the physical basis behind the equipment design, construction and materials and the increasing technological support for developing modalities. The aim of this unit is to provide students with an understanding of radiation physics related to x-ray production and radiographic practice and how radiation interacts with matter.

**PCB593 Digital Image Processing**

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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, og 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.
PCB605 Biomedical Instrumentation
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

Instrumentation plays an increasingly important role in the life of a scientist. This unit is designed to give you a working knowledge in instrumentation 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.

PCB675 Radiation Safety and Biology
Pre-requisites: PCB272
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.

PCB700 Research Project
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.)

PCB700 Research Project
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.)

PCB700 Research Project
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.)

PCB706 Quantum Mechanics
Pre-requisites: PCB550
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

This unit is offered at the Honours level for students who wish to build on their knowledge in quantum mechanics obtained during their undergraduate studies. The unit will provide an essential platform for further studies and theoretical and experimental research in all areas that require knowledge of modern quantum theory. The unit is one of the essential and concluding units in your education in the physics major/co-major.

PCB707 Advanced Topics in Physics
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

PCB742 Elective Unit
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

PCB780 Advanced Topics in Chemistry 1
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.)

PCB780 Advanced Topics in Chemistry 1
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.)

PCN112 Medical Imaging Science
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

PCN113 Radiation Physics
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

This unit includes the following: radioactivity and the interaction of ionising radiation with matter; applied radiation counting techniques; radiation detectors; radiation dosimetry.
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.
PCN297 Clinical Attachment 2  
**Pre-requisites**  PCN159, PCN197-1, PCN197-2 and PCN356

**Credit Points**  6  
**Campus**  null

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.)

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PCN320 Lighting Project

**Credit Points**  24  
**Campus**  Gardens Point and External  
**Teaching Periods**  2014 SEM-1 (EXT, INT); 2014 SEM-2 (EXT, INT)

The requirements for a Masters include an in-depth study of a particular area of lighting that is in keeping with the student's interest. This takes the form of a project that is usually undertaken in an area of particular interest to the student. Although the project may be directly associated with the student's employment, it should have sufficient originality for the student to be able to demonstrate initiative, an understanding of scientific method, and an ability to problem-solve to obtain a meaningful and realistic solution.

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PCN321 Reading Topic 1

**Credit Points**  12  
**Campus**  Gardens Point and External  
**Teaching Periods**  2014 SEM-1 (EXT, INT); 2014 SEM-2 (EXT, INT)

This unit aims to develop the student's knowledge and understanding of topics in lighting of particular interest to the student. In particular it can aim to give students greater insight into aspects they will cover in their Masters project. It will also help to develop the student's research, organisation and communication skills.

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PCN322 Reading Topic 2

**Credit Points**  12  
**Campus**  Gardens Point and External  
**Teaching Periods**  2014 SEM-1 (INT, EXT); 2014 SEM-2 (INT, EXT)

This unit aims to develop the student's knowledge and understanding of topics in lighting of particular interest to the student. In particular it can aim to give students greater insight into aspects they will cover in their Masters project. It will also help to develop the student's research, organisation and communication skills.

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PCN397 Clinical Attachment

**Credit Points**  6  
**Campus**  null

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 numbers. (12 credit points achieved at completion of PCN397-1 and PCN397-2.)

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PCN497 Clinical Attachment 4

**Pre-requisites**  PCN155 and PCN497-1  
**Co-requisites**  PCN259

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PCN520 Project (Full-time)

**Credit Points**  48  
**Campus**  Gardens Point  
**Teaching Periods**  2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

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PCN540 Project (Part-time)

**Credit Points**  24  
**Campus**  Gardens Point  
**Teaching Periods**  2014 SEM-1 (INT), 2014 SEM-2 (INT)

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 research work in the form of a short 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.)

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PCN597 Clinical Attachment 5

**Pre-requisites**  PCN359 and PCN497-2 and PCN597-1  
**Co-requisites**  PCN459

**Credit Points**  6  
**Campus**  null

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 PCN597-1 and PCN497-2.) [Designated unit]

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PCN701 Topics in Advanced Chemistry 1

**Credit Points**  12  
**Campus**  Gardens Point  
**Teaching Periods**  2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

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PCN705 Research Methodology

**Credit Points**  6  
**Campus**  Gardens Point  
**Teaching Periods**  2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.)

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This information is correct as at 19/12/2014. For the most up-to-date course information, visit [http://www.student.qut.edu.au/study/units/](http://www.student.qut.edu.au/study/units/). CRICOS No. 00213J

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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.)

### PCN710 Chemical Instrumentation

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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.

### PCN716 Advanced Topics in Physics 2

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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.

### PCN720 Chemometrics

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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.

### PCN730 Advanced Physical Methods in Chemistry

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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.

### PCN740 Laboratory Techniques for Preparative Chemistry

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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 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 skills is designed to lead to competence in designing and undertaking advanced practical work.

### PCN801 Topics in Advanced Chemistry 2

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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.

### PMN501 Project Management Essentials 1

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This unit will furnish you with an appreciation of the nature and role of project management as a professional discipline. With a specific focus on aspects of project planning and project development, the unit will describe, clarify, and formalise project management of the front end of projects to prepare you for further postgraduate study or bring new knowledge and skills to your professional endeavours.

### PMN502 Project Management Essentials 2

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This unit will furnish you with an appreciation of the nature and role of project management as a professional discipline. With a particular focus on the final two phases of project management; project delivery and handover, this unit will prepare you for further postgraduate study or bring new knowledge and skills to your professional endeavours.

### PMN503 Systems in Project Management

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This unit focuses on the skills and knowledge required for a Systems Engineering approach to project management as it relates to scope management, schedule management, quality management and risk management. Other concepts and techniques covered as part of this unit include the interface with other organisational systems, innovation and multiple business environments, health and safety and environmental management.

### PMN504 People and Projects

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This unit will provide you with the fundamental skills and knowledge to appreciate the nature and role of human resources required to achieve outcomes critical for the success of a project. The unit will specifically focus on theoretical aspects of effectively managing individuals within project teams, leadership, motivation, conflict resolution, individual and cultural differences, communication and negotiation skills; and human resource legislation and ethics.

### PQB105 Biological Chemistry

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The study of chemistry forms an important foundation for all students of the health sciences. The organisation of the human body begins with chemicals (atoms and molecules) making up its simplest or smallest scale level of organisation. Chemistry allows us to understand how cells, tissues and organs are formed, how these substances react with each other and their environment, and how these substances behave. This unit will allow development of the essential concepts of chemistry necessary for bioscience and biomedical students. Topics will be introduced and applied in a contextualised manner relevant to the biological sciences.

### PQB312 Analytical Chemistry For Scientists and Technologists

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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.

### PQB313 Analytical Chemistry For Industry

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The aim of this unit is to develop fundamental knowledge and skills in the theory and practice of the four areas of classical qualitative and quantitative analysis, namely, gravimetry, titrimetry, spectrophotometry, and electrometric methods, as well as to appreciate the close connection of analytical chemistry to industry and environmental monitoring.
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.00213J

PCB331 Structure and Bonding
Pre-requisites SCB121 and SCB131
Anti-requisites PCB334, PCB335
Credit Points 12
Campus null

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.

PQB350 Thermodynamics of Solids and Gases
Pre-requisites (PQB250 or PCB250), and (MAB111 or MAB120 or MAB121)
Co-requisites MAB311
Equivalents PCB562
Credit Points 12
Campus null

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.

PQB423 Process Principles
Pre-requisites SCB131
Credit Points 12
Campus null

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.

PQB442 Chemical Spectroscopy
Pre-requisites PCB331
Equivalents PCB444
Credit Points 12
Campus null

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.

PQB450 Energy, Fields and Radiation
Pre-requisites PCB250 or PCB250, and MAB311
Equivalents PCB362
Credit Points 12

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 common in Physics or preparing for a career in secondary education.

PQB250 Global Energy Balance and Climate Change
Equivalents PCB563
Credit Points 12
Campus Gardens Point
Teaching Periods 2014 SEM-1 (INT)

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.

PQB852 Advanced Physical Chemistry
Pre-requisites PCB401
Credit Points 12
Campus Gardens Point
Teaching Periods 2014 SEM-1 (INT)

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.

PQB851 Instrumental Analysis
Pre-requisites PCB312 or PCB414
Equivalents PCB514
Credit Points 12
Campus Gardens Point
Teaching Periods 2014 SEM-1 (INT)
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/.

PQB525 Quantum and Condensed Matter Physics
Pre-requisites: PQB350 and (MAB114 or MAB311)
Equivalents: PCB561
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

The aim of this unit is to provide students with an understanding of quantum theory, from its historical development through to its realisation in terms of modern wave mechanics, and its application to spectroscopy and electronic properties of condensed matter.

PQB551 Physical Analytical Techniques
Pre-requisites: (PQB350 or PCB462) and (MAB112 or MAB122)
Equivalents: PCB562
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

PQB531 Organic Mechanisms and Synthesis
Pre-requisites: PQB401, PQB442
Anti-requisites: PCB554
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

The synthesis of molecules from smaller parts is the ultimate expression of our knowledge of organic reactions and their mechanisms. In order to understand the diverse range of reagents and reactions used sequentially in synthesis, fundamental knowledge of key reaction mechanisms and reactivity patterns of organic molecules is essential. These topics are both intellectually challenging and of fundamental importance in the real world. Whether the context is the formation of totally new molecules, or the routine preparation of any of a vast array of useful products such as medicines, cosmetics, agrochemicals, plastics, dyes, foodstuffs etc., organic synthesis is vital to our modern lifestyle. This unit builds on the fundamentals of structure and bonding, reaction mechanisms and structure determination covered in previous units, so this unit is programmed in the fifth semester.

PQB584 Forensic Physical Evidence
Pre-requisites: PQB312, SCB384
Anti-requisites: PCB584
Credit Points: 12
Campus: null
Teaching Periods: null

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 & seaweed, 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.

PQB631 Advanced Inorganic Chemistry
Pre-requisites: PQB331
Equivalents: PCB634
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

Major topics covered are as follows: organometallic chemistry, including metal-carbon bonding, main group and transition metal organoamatics and applications of organometallic compounds in synthetic chemistry; bioorganic chemistry; physical methods of structure determination, such as single crystal X-ray diffraction; chemical applications of group theory.

PQB642 Chemical Research
Pre-requisites: 4 Advanced Level Chemistry units
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.

PQB650 Advanced Theoretical Physics
Pre-requisites: (PQB350 or PCB462) and (PQB550 or PCB561)
Equivalents: PCB665
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

Advanced electromagnetic, 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 electro-magnetism and wave propagation, quantum and statistical basis of nuclear magnetism and magnetic resonance, statistical mechanics, quantum statistics, and general statistical thermodynamics.

PQB651 Experimental Physics
Pre-requisites: PQB451 or PCB460
Equivalents: PCB661
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT), 2014 SEM-2 (INT)

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.

PQB660 Astrophysics 2
Pre-requisites: PQB250 or PCB250 or PCB150
Equivalents: PCB669
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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
anatomy and physiology

PUB101 Introduction to Clinical Classification

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<th>Pre-requisites</th>
<th>Credit Points</th>
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<th>Teaching Periods</th>
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<tr>
<td>PUB100</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
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Laser and photonic technologies are rapidly maturing areas of research 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 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 underlying lasers and photonic devices and their use in a range of optical technologies.

PQB680 Forensic DNA Profiling

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<th>Pre-requisites</th>
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<td>SCB38</td>
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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.

PQB684 Forensic Analysis

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<th>Pre-requisites</th>
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<td>PCB513 or PCB514</td>
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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.

PUB100 Medical Terminology, Anatomy and Physiology

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<th>Credit Points</th>
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<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
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This unit consolidates knowledge about health resource allocation and management at the macro (health system) and micro (health service) level. At the macro level you will learn about the context and drivers of health resource allocation to benefit the health of groups and populations and the means of determining priorities in the face of competing demands for scarce resources. Australian and international case studies are used to compare and contrast resource allocation policy positions based on the principles of efficiency, effectiveness and equity. You will learn about historical and contemporary Australian health care financing and funding models that determine health budget allocation at the micro (health service) level and develop a sound understanding of the principles, processes and practice of financial management, including governance, costing, budgeting, financial performance reporting and analysis.

PUB208 Understanding Health Information

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<th>Credit Points</th>
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<tr>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
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</table>

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.

PUB209 Health, Culture and Society

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<th>Credit Points</th>
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<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
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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.

PUB215 Public Health Practice

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<th>Credit Points</th>
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<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
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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.
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, intersectional 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.

This unit provides an overview of environmental health and introduces the importance of achieving health social science research. Based program evaluation, international health and a range of public health works, including community and national contracts and projects.

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 theory. The principles underpinning evidence based medicine and clinical pathways (including variance analysis) are presented. Consequential methods are essential to generate the evidence base for clinicians, health promotion specialists, health educators, occupational and environmental health officers and health service managers.

Epidemiology is the core scientific method of public health. It is the study of the distribution and disease in the population and includes research into reasons 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.

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 on students who are considering conducting research as well as those interested in deeper appreciation of implementation behind published research results.

This 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.

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.

This unit provides an overview of environmental health, its scientific foundations, and its integral place in the overarching discipline of public health.

This 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.

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.

This unit considers groups with special needs and contemporary issues.

This unit provides an overview of environmental health; and health policy and its impact on public health. Recent reformulations of traditional public health approaches including health promotion, intersectional 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.

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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.
PUB545 Health Policy, Planning and Advocacy

Pre-requisites: Completion of 192cp
Anti-requisites: PUB511
Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (EXT, INT)

This unit consolidates knowledge of health policy development and reform and the processes that translate policy into public health practice. Topics covered include: developing 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.

PUB561 Statistical Methods in Health

Anti-requisites: PUN105
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

An understanding of basic statistical concepts and the ability to analyse and interpret quantitative data is an important skill for all graduates in health-related disciplines. An understanding of descriptive statistics is required to effectively summarise and communicate important information in data. Inferential statistics, used to test scientific hypotheses and interpret results beyond the immediate data, are the hallmark of quantitative studies. An understanding of the principles underpinning both types of statistical methods is critical not only for the analysis of data, but also for the critical appraisal of scientific literature.

PUB565 International Health

Pre-requisites: PUB251
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

PUB739 Podiatric Medicine 5

Pre-requisites: PUB537 and PUB538 and PUB638 and PUB639
Anti-requisites: PUB740, CSB545
Credit Points: 12
Campus: null

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]

PUB839 Podiatric Medicine 6

Pre-requisites: PUB738, PUB739 and PUB838. PUB838 may be taken concurrently.
Anti-requisites: PUB840, CSB546
Credit Points: 12
Campus: null

The aim of this unit is to ensure students are able to demonstrate adequate knowledge and skills expected for entry into the podiatry profession.

PUB875 Professional Practice

(Completion of 240 cp including PUB514) or (Completion of 240cp including SWB401 and SWB312)

This unit is undertaken by students in the public health, nutrition and dietetics strands of the BMLSc. 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.

PUB890 Professional Practice (Placement)

(Completion of 240 cp including PUB514) or (Completion of 240cp including SWB401 and SWB312)

This unit is undertaken by students in the public health, nutrition and dietetics strands of the BMLSc. 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.

PUN103 Advanced Epidemiology

Pre-requisites: PUB526 or HLN710
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

PUN105 Health Statistics

Credit Points: 12
Campus: null

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.

PUN106 Population Health

Anti-requisites: PUB525
Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (INT, EXT)

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 ageing of the population, the impact of genetic technology on health and the health of specific sub-populations are also examined.

PUN210 Fundamentals of Health Management

Credit Points: 12
Campus: null

This is a core unit in the Graduate Diploma and Master of Health Management programs. The unit explores the principles and practice of management in health that you can use to inform your role as a health
manager. The unit focuses on core health management activities: organisational management; strategic management; resource management including financial and human resource management; information management; project management and change management. The focus of this unit is on the development of the analytical, evaluative and political skills required by health managers who must work in complex systems and organisations characterised by constant change.

### PUN211 Health Care Finance and Economics

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The unit develops analytical skills and understanding of macro- and micro- 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.

### PUN212 Understanding Health Information

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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.

### PUN213 Introduction to Quality Management in Health

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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.

### PUN219 Leadership of Quality and Safety in Health Care

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<th>Pre-requisites</th>
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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.

### PUN231 Occupational Health and Safety Law and Policy

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Occupational Health and Safety involves the whole organisation, with particular roles attributed to employees and management, the latter bearing responsibility for the development, instigation, maintenance, development of health and safety programs with a preventative emphasis. Advanced knowledge of essential elements of the Occupational Health and Safety legislative and management framework forms an important part of modern management practice.

### PUN363 Environmental Health Law

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Legal frameworks, such as the Public Health Act 2005, the Environmental Protection Act 1994, the Sustainable Planning Act 2009, local laws and other State and local legislation, provide the basis for environmental health and environmental management practice. A thorough understanding of this legislation, the prosecution process and other legal frameworks is vitally important to the practice of an environmental health professional. Major topics covered include: an introduction to law and government, public health law, planning and environmental law, local laws, administrative law and investigation processes.

### PUN24 Systems of Quality and Safety in Health Care

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<th>Pre-requisites</th>
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### PUN364 Food Safety

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### PUN451 Disaster Management

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This unit elaborates the principles and practice of disaster management for health. The unit will develop your knowledge and understanding of the principles and practice of disaster health management and your ability to evaluate the effectiveness of current arrangements and your ability to apply those principles to system preparedness. This will equip you to contribute significantly to improving health service’s ability to effectively prepare for and manage such incidents.

### PUN452 Disaster Health Planning and Preparedness

<table>
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<tr>
<th>Pre-requisites</th>
<th>PUN451, PUN451 may be enrolled in the same teaching period as PUN452</th>
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This unit seeks to develop your in depth understanding and ability to evaluate the systems, structures and processes required to ensure health services and the communities they serve are prepared for disasters that threaten the health and wellbeing of the community.

### PUN453 Disaster Health Response and Recovery

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This unit seeks to develop your ability to manage the response to disasters that threaten the health and wellbeing of the community as well as the strategies required to affect the recovery of the community and the maintenance and restoration of health services following disasters.

### PUN454 Leadership in Disaster Health Management

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<th>Pre-requisites</th>
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This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.00213
psychosocial hazards and your skills acquired in safety management systems and safety systems auditing to evaluate current or prospective hazardous situations. You will learn how to design appropriate safety systems that eliminate or control hazards and comply with the legislation to investigate and report on any injuries or exposures that do occur.

PUN617 Environmental Health Management

- **Credit Points**: 12
- **Campus**: Kelvin Grove and External
- **Teaching Periods**: 2014 SEM-2 (INT, EXT)

In Australia environmental health hazards are predominantly managed by government agencies using education, policy, legislation and funding. To successfully manage environmental health hazards, the practitioner needs to be able to communicate effectively and select and implement appropriate tools and management strategies. This unit is therefore designed to integrate the theory and practice covered in other environmental health units, and equip students with management and communication tools and strategies that can be applied in a range of contexts. Topics covered in this unit include community public health planning, program evaluation, project management, environmental health research, management tools, professional communication and professional development.

PUN620 Concepts of Environmental Health

- **Credit Points**: 12
- **Campus**: Kelvin Grove and External
- **Teaching Periods**: 2014 SEM-1 (INT, EXT)

There is increasing evidence that the integrity of the environments in which we live is under substantial pressure, particularly from the way we live. The end result of such pressure is that the basic and fundamental pre-requisites for human health are threatened. The science of Environmental Health has always been concerned with the study of the human-environment interface, and now even more than ever, practitioners are needed who understand this link and the strategies available to control and minimize the risks associated with environmental health hazards. Topics covered include: an introduction to environmental health, ecosystems and sustainability; environmental health issues (e.g. air pollution, water and sanitation, waste and contaminated land, communicable diseases and food safety, physical agents, disaster management); and environmental health settings including the built environment.

PUN632 Leadership in Health Management

- **Anti-requisites**: PUN610
- **Credit Points**: 12
- **Campus**: Kelvin Grove and External
- **Teaching Periods**: 2014 SEM-2 (INT, EXT)

This unit contains an in depth study of the strategic leadership and management of health services. Theoretical approaches to leadership together with several practical examples are presented to develop competencies to deal effectively with organisational and system wide complexities and change. The content has particular links with PUN106 Population Health and the Master of Public Health course in its examination of health system issues and the needs of diverse populations and communities. The unit further develops skills in addressing contemporary problems in public health related to the management of health services and prepares students to consider the strategic importance of leadership throughout all public health areas.

PUP032 Intervention Design and Theories of Change

- **Pre-requisites**: PUP023
- **Credit Points**: 12
- **Campus**: Kelvin Grove and External
- **Teaching Periods**: 2014 SEM-1 (INT, EXT)

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.

PUP034 Advanced Studies and Practice in Health Promotion

- **Pre-requisites**: PUP032, PUP023
- **Credit Points**: 12
- **Campus**: null

This unit further develops your knowledge, skills, and application of health promotion programming principles. In the unit you will build upon your work in PUP032 and PUP038 to create a comprehensive health promotion program proposal based on a health promotion planning framework. With a large portion of health promotion work involving the development of health promotion programs, the unit allows you to develop the skills that are essential for a health promotion practitioner.
This unit further develops your knowledge, skills, and application of health promotion programming principles. In the unit you will build upon your work in PUP032, PUP038 and PUP034 to create a health program evaluation proposal using an internationally recognised evaluation framework. Evaluation is a crucial aspect of health promotion and public health work. Within the health sector there is strong competition for funding from the government and non-government sectors. The need to use evidence upon which to make judgments about programs and influence policy rests increasingly on robust evaluations. This unit will advance your knowledge and application of evaluation techniques.

PUP038 Contemporary Health Promotion

Credit Points: 12
Campus: null

As the health policy agenda shifts to embrace prevention, health promotion is an important area of study for health professionals interested in population health. The evolution of health promotion methodologies and policies reflect changing physical, social and political environments and health issues, as well as new research findings. This unit focuses on developments in health promotion which have emerged from the interaction of theoretical frameworks, the changing physical, social and political environments and the growing evidence base. This shift includes a focus on the health impact of biological, physical and social conditions throughout the life of an individual (life course perspective), a settings approach and the expansion of new technologies. You will examine the relationship between these and recent developments, the evidence and contribution to the ongoing effectiveness of health promotion.

PUP037 Health Program Evaluation

Pre-requisites: PUP032 and PUP034. PUP034 can be studied in the same semester as PUP037
Credit Points: 12
Campus: null

This unit further develops your knowledge, skills, and application of health promotion programming principles. In the unit you will build upon your work in PUP032, PUP038 and PUP034 to create a health program evaluation proposal using an internationally recognised evaluation framework. Evaluation is a crucial aspect of health promotion and public health work. Within the health sector there is strong competition for funding from the government and non-government sectors. The need to use evidence upon which to make judgments about programs and influence policy rests increasingly on robust evaluations. This unit will advance your knowledge and application of evaluation techniques.

PUP201 Physics of the Very Large

Anti-requisites: PVB150
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit introduces you to the physics that affects the universe on a large scale, stretching from the edge of the observable universe down to the Earth’s atmosphere, and addresses the underlying physics of some of the big questions of our time, for example dark energy and global warming. The topics presented include gravity, special relativity, thermodynamics, and fluid mechanics and form a foundation for a degree in physics. Theory will be complemented by practical exercises.

PVB102 Physics of the Very Small

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

This unit introduces physics which affects the universe on a microscopic scale. The concepts and phenomena studied here, such as atomic and nuclear physics, physical optics and waves are fundamental to later studies. Theory will be complemented by practical exercises.

PVB201 Instrumentation

Anti-requisites: MAB111, MAB121, MAB126, MAB131, MAB132, MAN121
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

Instrumentation plays an increasingly important role in the life of a scientist. This unit is designed to build on your mathematical knowledge and provide a working knowledge of instrument design and the principles of circuit theory and electronics that underlie instrumentation. It builds on prior maths study in Maths C to develop the fundamental understanding of interactions among physical, biological and social conditions. This unit integrates advanced topics such as electrostatics, Maxwell’s equations, electromagnetic waves and applications such as waveguides. It will extend your mathematical knowledge and techniques from earlier units to explore and analyse these advanced physics concepts.

PVB204 Electromagnetism

Pre-requisites: PVB200 or MBX105
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

Electromagnetism is one of the fundamental forces in the universe and is present in almost all aspects of modern technology. In this unit you will develop theoretical knowledge and understanding of electromagnetism from electric charge to more advanced topics such as electrostatics, Maxwell’s equations electromagnetic waves and applications such as waveguides. It will extend your mathematical knowledge and techniques from earlier units to explore and analyse these advanced physics concepts.

PVB205 Occupational Hygiene

Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-2 (EXT, INT)

Occupational hygiene involves the anticipation, recognition, evaluation and control of hazards in the working environment. Workplaces contain numerous hazards which are potentially harmful to the human health of workers, other occupants and the public. The role of the occupational health and safety professional is to develop and /or assist in the development of management strategies to identify these potential hazards, evaluate the risk they pose to persons, property and equipment and to recommend control measures which will manage the risks involved.

PVB202 Mathematical Methods in Physics

Pre-requisites: PVB101 or PQB250
Anti-requisites: MAB112, MAB127, MAB132, MAN122
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

The development of mathematical skills is fundamental to understanding many of the advanced topics that a physicist might encounter. This unit continues on from Maths C to develop the mathematical techniques required of a physicist, and is applied to physical problems of the type that a physicist might encounter. It provides skills for ongoing study and scientific work as physicist.

PVB203 Experimental Physics

Pre-requisites: PVB101
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

Strong computational and experimental design and execution skills are some of the most important attributes of any physicist, whether working in research or industry, experimental or theoretical. This unit aims to develop your skills in project planning, time management, experimental/computational setup, and reporting. You will undertake several self-managed experiments along with supervised practicals using research equipment.

PVB210 Stellar Astrophysics

Equivalents: PQB460
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

Astrophysics is the application of physics to the study of the heavens from above atmosphere to the furthest reaches of the universe. This unit is one of the units in the astrophysics minor and covers the essential aspects of stellar astrophysics and naturally follows on from PVB101. The physics of the very large. The unit covers the birth, life, death of stars and is a mix of theory and laboratory exercises. The laboratory exercises cover astrophysical topics relevant to everyday physics.
## PV B220 Cosmology

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<tr>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
<td>PVB660</td>
<td>12</td>
<td>Gardens Point</td>
<td>2014 SEM-1 (INT)</td>
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</table>

Cosmology is the study of the universe as a whole including the origin and development of the universe. This unit is an introduction to modern cosmology and covers a wide range of topics related to cosmology, for example, general relativity, the Big Bang, the history of the universe from the Big Bang to now (inflation, nucleosynthesis, dark ages, surface of last scattering, origin and evolution of galaxies, cosmic microwave background radiation etc.). The unit also explores the observational techniques of modern cosmology, for example, optical and radio galactic surveys, gravitational lensing, laser interferometry for detecting gravity waves. We will also explore the evidence for dark matter and dark energy. In the laboratory component of the unit you will gain experience in analysing original astrophysical data, for example measuring the red shift velocity of galaxies.

## PV B420 Cosmology

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<tr>
<th>Credit Points</th>
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<tr>
<td>12</td>
<td>null</td>
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</table>

## PY B000 Psychology in Professional Contexts

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<tr>
<th>Credit Points</th>
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<tr>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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.

## PY B007 Interpersonal Processes and Skills

<table>
<thead>
<tr>
<th>Anti-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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</thead>
<tbody>
<tr>
<td>PVB074, HKB113, PVB111</td>
<td>12</td>
<td>Gardens Point, Kelvin Grove and Caboolture</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

This unit gives you an introduction to the factors that contribute to effective communication, both personally and professionally. This unit adopts a multidisciplinary approach to consider how characteristics such as self-regulation, self-esteem and perceptual biases, or experiences such as trauma, culture and technology can influence our capacity to communicate effectively.

## PY B054 Psychology and Gender

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<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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</thead>
<tbody>
<tr>
<td>Completion of 48cp of PYB units including one of PYB012, PYB101,</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
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</tbody>
</table>

## PY B100 Foundation Psychology

<table>
<thead>
<tr>
<th>Anti-requisites</th>
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<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVB12</td>
<td>PVB101</td>
<td>12</td>
<td>Gardens Point and Kelvin Grove</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.

## PY B102 Introduction to Psychology 1B

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
</tr>
</thead>
<tbody>
<tr>
<td>PYB010 or PYB101</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
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</table>

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.

## PY B1067 Human Sexuality

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<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
<td>Completion of 96 credit points including PYB100, PYB110, and PYB102</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
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</tbody>
</table>

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.

## PY B107 Psychological Research Methods

<table>
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<tr>
<th>Equivalents</th>
<th>Credit Points</th>
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<th>Teaching Periods</th>
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<tbody>
<tr>
<td>BEB123</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SUM-2 (INT); 2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.

## PY B159 Alcohol and Other Drug Studies

<table>
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<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tr>
<td>PYB158</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
</tr>
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</table>

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.

## PY B202 Social and Organisational Psychology

<table>
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<tr>
<th>Pre-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
<td>PYB100 or PYB102 or PYB101 or (Admission into PY08)</td>
<td>PYB202</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
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</table>

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.

## PY B203 Developmental Psychology

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<th>Pre-requisites</th>
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<th>Teaching Periods</th>
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<tbody>
<tr>
<td>PYB012 or PYB101 or PYB102 or PYB100 or (Admission into PY08)</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
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</table>

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.

**PYB204 Perception and Cognition**

**Pre-requisites**
- PYB100 or PYB101 or PYB102 and PYB110 or (Admission into PY08)

**Equivalents**
- PYB303

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-2 (INT)

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.

**PYB207 Psychology in the Community**

**Pre-requisites**
- PYB202 and PYB203 and PYB204 and PYB210

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-1 (INT); 2014 SEM-2 (INT)

The aim of this unit is enable you to develop your work-literacy and work-readiness, by providing opportunities to apply psychological knowledge in workplace contexts, supported by activities that promote critical reflection on your learning and workplace practices. Your participation in this unit requires you to establish, conduct, and complete an approved period of volunteer work or placement. You may be asked to produce a Blue Card (suitability for working with children and young people clearance) before commencing your work placement and it is therefore your responsibility to have obtained this clearance prior to commencing your placement.

**PYB208 Counselling Theory and Practice 1**

**Pre-requisites**
- PYB007 or PYB074 or HHB113 or SWB104 or PYB111 or PUB209

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-2 (INT)

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.

**PYB210 Research Design and Data Analysis**

**Pre-requisites**
- PYB110 or Admission into PY08

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-1 (INT)

This unit takes a research design approach to data analysis. This means that quantitative and qualitative analyses are treated as one step in a larger process which includes formulating theoretically sound research questions or hypothesis, selecting suitable research methodologies, data collection methods and analyses to answer research questions or test hypothesis, and reporting the outcomes.

**PYB215 Forensic Psychology and the Law**

**Pre-requisites**
- PYB012, PYB101, PYB102 or PYB100

**Anti-requisites**
- JSB174

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-2 (INT)

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 you will develop 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.

**PYB257 Group Work**

**Pre-requisites**
- PYB007 or PYB074 or HHB113 or PYB111

**Anti-requisites**
- HHB214 and SWB214

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-2 (INT)

This unit provides the skills and content to plan, organise and facilitate group sessions. It applies Kolb's inductive learning cycle to organise and facilitate group experiences. It develops intervention skills for managing group development, decision making and conflicts. Ethical issues in group practice are also examined.

**PYB260 Psychopharmacology of Addictive Behaviour**

**Pre-requisites**
- PYB102

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-1 (INT)

This unit aims to develop and extend your understanding of issues relating to behavioural pharmacology. This unit focuses predominantly on those substances that are commonly associated with addiction, including substances used in the treatment of addictive behaviours and mental illness. The context for learning about specific substances is built on an understanding of the principles of behavioural pharmacology (including a review of neurobiology and the pharmacokinetic effects of common substances) and related research methods.

**PYB302 Industrial and Organisational Psychology**

**Pre-requisites**
- PYB025 or PYB026

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-1 (INT)

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.

**PYB304 Physiological Psychology**

**Pre-requisites**
- (PYB101 or PYB102) or (Admission into PY08)

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-1 (INT)

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, neurophysiology, 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.

**PYB306 Psychopathology**

**Pre-requisites**
- (PYB012 or PYB101 or PYB102 or PYB100) or (Admission into PY08)

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-2 (INT)

This core unit is designed to develop your understanding of psychopathology and your critical appreciation of notions of abnormal human behaviour.

**PYB307 Health Psychology**

**Pre-requisites**
- PYB100, PYB101 or PYB102

**Credit Points**
- 12

**Campus**
- Kelvin Grove

**Teaching Periods**
- 2014 SEM-2 (INT)

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
PYB309 Individual Differences and Assessment

Pre-requisites: PYB100 or PYB101 or PYB102 or (Admission into PYB08)
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

PYB350 Advanced Statistical Analysis

Pre-requisites: PYB210
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

PYB356 Counselling Theory and Practice 2

Pre-requisites: PYB208
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

PYB359 Introduction to Family Therapy

Pre-requisites: PYB208
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

PYB360 Interventions for Addictive Behaviours

Pre-requisites: PYB159 or PYB158 or PYB260 or NSB223 or NSB023
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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 the 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 supporting students understanding of the complex issues relating to management of addictive behaviours.

PYB371 Introduction to Road Safety

Pre-requisites: Completion of 96cp
Credit Points: 12
Campus: null
Teaching Periods: 2014 SEM-1 (INT)

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.

PYB372 Traffic Psychology and Behaviour

Pre-requisites: PYB208
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This unit is an elective unit within the Bachelor of Behavioural Science (Psychology). Content focuses on identifying and examining the factors that influence the behaviour of road users, particularly those that contribute to the incidence of road crashes or exacerbate their severity. The student examines a range of theoretical models which have been used to explain the behaviour of road users, especially high risk behaviours. The behaviour of all types of road users will be addressed, including motor vehicle drivers and passengers, motorcycle riders, cyclists and pedestrians.

PYB374 Applying Traffic Psychology

Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

This unit is an elective unit within the Bachelor of Behavioural Science (Psychology). The unit focuses on understanding human factors in road safety with an emphasis on the strategies and programs that have been used in an attempt to modify road user behaviour. The unit provides an overview of the different criteria and methods commonly used to assess the effectiveness of road user behaviour programs in order to facilitate a comparison of effective and ineffective approaches.

PYB400 Thesis (Part 2)

Pre-requisites: PYB401
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

The thesis component of the honours program comprises four 12 credit point units leading to the submission of a 48 credit point research thesis. The thesis units provide an opportunity for you to extend, synthesise and apply the knowledge gained in your undergraduate degree and other units within the course. You will undertake a research project with the guidance of a supervisor that makes an original contribution to knowledge in the broad discipline of psychology, using either quantitative or qualitative methods of analysis. This research is reported in a written thesis submitted at the completion of the thesis units. Assessment of the thesis is in accordance with University assessment procedures.

PYB400 Thesis (Part 3)

Pre-requisites: PYB401
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

The thesis component of the honours program comprises four 12 credit point units leading to the submission of a 48 credit point research thesis. The thesis units provide an opportunity for you to extend, synthesise and apply the knowledge gained in your undergraduate degree and other units within the course. You will undertake a research project with the guidance of a supervisor that makes an original contribution to knowledge in the broad discipline of psychology, using either quantitative or qualitative methods of analysis. This research is reported in a written thesis submitted at the completion of the thesis units. Assessment of the thesis is in accordance with University assessment procedures.
This course capstone unit is designed to develop and extend your understanding and critical evaluation of research and practice issues in psychology. The unit is also designed to enhance your understanding of career paths and professional issues in the broad discipline of psychology.

PYB450 Research Thesis (Part 3)

Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-1 (INT)

The thesis component of the graduate diploma program comprises three 12 credit point units leading to the submission of a 36 credit point research thesis. The thesis units provide an opportunity to synthesise and apply the knowledge gained in your undergraduate degree and other units within the program. You will undertake a research project that makes a contribution to knowledge to the broad discipline of psychology, using either quantitative or qualitative methods of analysis. This research is reported in a written thesis submitted at the completion of the thesis units. Assessment of the thesis is in accordance with University assessment procedures.

PYB450 Research Thesis (Part 1)

Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-1 (INT); 2014 SEM-2 (INT)

The thesis component of the graduate diploma program comprises three 12 credit point units leading to the submission of a 36 credit point research thesis. The thesis units provide an opportunity to synthesise and apply the knowledge gained in your undergraduate degree and other units within the program. You will undertake a research project that makes a contribution to knowledge to the broad discipline of psychology, using either quantitative or qualitative methods of analysis. This research is reported in a written thesis submitted at the completion of the thesis units. Assessment of the thesis is in accordance with University assessment procedures.

PYB450 Research Thesis (Part 2)

Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-1 (INT); 2014 SEM-2 (INT)

The thesis component of the graduate diploma program comprises three 12 credit point units leading to the submission of a 36 credit point research thesis. The thesis units provide an opportunity to synthesise and apply the knowledge gained in your undergraduate degree and other units within the program. You will undertake a research project that makes a contribution to knowledge to the broad discipline of psychology, using either quantitative or qualitative methods of analysis. This research is reported in a written thesis submitted at the completion of the thesis units. Assessment of the thesis is in accordance with University assessment procedures.
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, ethical and cultural dimensions are all present in the counselling process. Consideration of these dimensions enables counsellors to develop effective, functional and client-focused relationships.

The development of various counselling and psychotherapeutic paradigms and their related models of theory and practice will be considered in the light of the cultural contexts that informed them. The evolution of approaches over time will be reviewed in terms of ideas about the social construction of knowledges and the way they are embedded into cultural processes. The evolution of the brief, post-modern approaches focussed on in other units will be examined and links made to previous therapeutic traditions. Critical analysis will be applied to the possibility of engaging in integrative therapeutic practices.

This unit provides the development of skills and approaches in organizing 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 development, 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.

This unit focuses on relationship counselling. It explores the history and development of systemic family therapy and couple work. It examines the potential of a constructive approach and orientation to working with relationships and relationship issues in therapy. Students will choose a specific issue or area of relationship counselling and, working in small groups, present a workshop for fellow class members which demonstrates the use (or adaption) of a constructive therapy approach.

You will undertake an individual clinical project of theoretical and/or practice-based research/enquiry in a selected area of counselling. The project is supervised by a member of the teaching staff and regular consultation informs the development of the project. Both reflective and academic papers will be written as part of the assessment of the project. You will be required to work in the Counselling and Family Therapy Clinic on a weekly basis in order to achieve project requirements. Together, PYN008-1, PYN008-2 and PYN008-3 comprise a 36 credit point unit that can be studied over two semesters. Assessment items are submitted and a grade awarded for each sub-unit.

You will undertake an individual clinical project of theoretical/practice-based research/enquiry in a selected area of counselling. The project is supervised by a member of the teaching staff and regular consultation informs the development of the project. Both reflective and academic papers will be written as part of the assessment of the project. You will be required to work in the Counselling and Family Therapy Clinic on a weekly basis in order to achieve project requirements. Together, PYN008-1, PYN008-2 and PYN008-3 comprise a 36 credit point unit that can be studied over two semesters. Assessment items are submitted and a grade awarded for each sub-unit.

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, ethical and cultural dimensions are all present in the counselling process. Consideration of these dimensions enables counsellors to develop effective, functional and client-focused relationships.

This unit provides an experiential introduction to the process of professional supervision. Supervision processes, roles, responsibilities, content, approaches and theories are reviewed. Professional issues commonly addressed in supervision such as power, gender, culture, consent, duty of care, etc are reviewed.

This unit is designed to allow students to build on the development of their counselling skills as they pertain to particular client populations or client presenting issues. Various specialist fields of counselling are reviewed and guest lecturers share practice experience.

This unit aims to prepare students for the reflecting team counselling practice and associated individual project work in the Family Therapy and Counselling Clinic. The unit also prepares students for applied counselling project work in professional practice settings. Students are assisted to use the outcome of current research findings and publications to inform and assist their clinical practice.

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.

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRCOS No. 002133
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.

**PYN022 Research Thesis 2**

**Pre-requisites**: PYN021

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**PYN023 Research Thesis 3**

**Pre-requisites**: PYN022 (can be enrolled in the same teaching period)

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**PYN024 Research Thesis 4**

**Pre-requisites**: PYN023 (can be enrolled in the same teaching period)

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

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.

**PYN025 Clinical Psychological Interventions 1**

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT)

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.

**PYN027 Clinical Psychological Assessment**

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT)

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.

**PYN028 Clinical Psychopathology**

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT)

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.

**PYN030 Professional Practice in Clinical Psychology**

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-2 (INT)

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.

**PYN032 Clinical Psychological Interventions 2**

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT)

This broad aim of this unit is to cover advanced 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.

**PYN034 Childhood Psychopathology and Treatment**

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT)

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.

**PYN035 Supervised Practicum Stage 1**

**Pre-requisites**: PYN035

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT)

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.

**PYN036 Supervised Practicum Stage 2**

**Pre-requisites**: PYN035

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-2 (INT)

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.

**PYN037 Supervised Practicum Stage 3**

**Pre-requisites**: PYN036

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**PYN038 Supervised Practicum Stage 4**

**Pre-requisites**: PYN037

**Credit Points**: 12

**Campus**: Kelvin Grove

**Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

**PYN039 Health Psychology and Rehabilitation**

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This unit develops core skills and understanding in health psychology and rehabilitation within an applied psychology context. It includes modules in health psychology, behavioural medicine, rehabilitation psychology and psychology. 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.

**PYN041 Supervised Practicum Stage 5**

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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.

**PYN042 Supervised Practicum Stage 6**

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<td>Teaching Periods</td>
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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.

**PYN044 Clinical Psychological Interventions 2**

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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.

**PYN045 Clinical Psychological Interventions 3**

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<td>Teaching Periods</td>
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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.

**PYN052 Research Thesis (Part 3)**

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PYN052 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.

**PYN052 Research Thesis (Part 2)**

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PYN052 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.

**PYN052 Research Thesis (Part 1)**

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PYN052 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.
PYN053 Advanced Integrative Psychotherapy

Credit Points 12
Campus null

This unit provides an advanced understanding of the mechanisms of change, supported by empirical evidence and research methodologies, within an integrative psychotherapy framework. Content includes analysis of the assumptions and processes of therapist-client communication and the ways in which the reciprocal nature of communication affects the therapeutic process.

PYN054 Advanced Assessment Across the Lifespan

Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-2 (INT)

This unit will explore cognitive function across the lifespan, moving from pre-natal issues to the elderly. It will explore both acquired and developmental conditions that impact upon cognitive function. This will take place through lectures, review of cases and formulation of conclusions.

PYN060 Applied Developmental Psychology

Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-2 (INT)

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.

PYN061 Counselling and Consultation in Educational and Developmental Psychology

Pre-requisites EDN631. EDN631 can be studied in the same teaching period as PYN060
Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-1 (INT)

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 may extend 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.

PYN063 Professional Practice in Educational and Developmental Psychology

Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-2 (INT)

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.

PYN606 Research Thesis 1

Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

PYN610 Research Thesis 2

Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

PYN610 Research Thesis 3

Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

PYN610 Research Thesis 4

Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

PYP041 Introduction to Road Safety

Credit Points 12
Campus null

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.

PYP042 Traffic Psychology and Behaviour

Credit Points 12
Campus Kelvin Grove and External
Teaching Periods 2014 SEM-1 (EXT, INT); 2014 SEM-2 (EXT)

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.

PYP043 Applying Traffic Psychology

Credit Points 12
Campus Kelvin Grove and External
Teaching Periods 2014 SEM-1 (EXT); 2014 SEM-2 (INT, EXT)

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 PYP042 - Traffic Psychology and Behaviour.

PYP050 Road Safety Evaluation Models

Credit Points 12
Campus Kelvin Grove
Teaching Periods 2014 SEM-2 (INT)

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 countermeasures.
PYP406 Road Safety Theory to Practice

Pre-requisites: PYP401
Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (EXT); 2014 SEM-2 (INT, EXT)

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.

PYP407 Independent Study

Credit Points: 12
Campus: Kelvin Grove and External
Teaching Periods: 2014 SEM-1 (EXT); 2014 SEM-2 (EXT, INT)

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.

PYP408 Road Safety Audit - Investigation and Treatment of Crash Locations

Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

QCD110 Professional Communication 1

Anti-requisites: QCD111, QCD120
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT), 2014 13TP3 (INT), 2014 13TP1 (INT); 2014 13TP2 (INT)

A high level of English communication skills is essential for success in an Australian higher education context. International students need to become competent users of the English language at the undergraduate level. This unit is designed to provide students with the academic and English communication skills required for success in tertiary studies at the undergraduate level. It provides strategies for understanding, composing and presenting information in an academic context.

QCD120 Professional Communication 1

Equivalents: QCD110, QCD120
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT), 2014 13TP3 (INT); 2014 13TP1 (INT)

A high level of English communication skills is essential for success in an Australian higher education context. International students need to become competent users of the English language at the undergraduate level. It provides strategies for understanding, composing and presenting information in an academic context.

QCD211 Communication 1

Equivalents: QCD110, QCD120
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT), 2014 13TP3 (INT); 2014 13TP1 (INT)

A high level of English communication skills is essential for success in an Australian higher education context. This unit is designed to give you a stronger grounding in, and understanding of the learning process. It will develop your English communication skills (reading, writing, listening and speaking). You will also learn skills for carrying out scholarly research, and communicating it in written and spoken form in a post-graduate academic context. The aim of this unit is to improve your skills in academic English and learning so that you can interact more confidently within a post-graduate learning community.

QCD210 Professional Communication 2

Equivalents: QCD110, QCD111
Credit Points: 12
Campus: null
Teaching Periods: 2014 SEM-2 (INT), 2014 13TP3 (INT); 2014 13TP2 (INT)

Knowledge and understanding of academic genres are essential for success, particularly in a higher education context. International students will encounter new genres in an Australian higher education context. Not only will they need to become competent users of these genres to succeed in their postgraduate degrees, they may also need to adapt to different learning and teaching styles. This unit aims to explore different academic genres through the content of communication theory to enhance international students' competency in the use of these genres. It will provide opportunities for students to gain knowledge and understanding of common academic genres in an Australian university context to enhance their competency in terms of their use of these genres.

QCD220 Professional Communication 2

Equivalents: QCD210, QCD211
Credit Points: 12
Campus: null
Teaching Periods: 2014 12TP1 (INT); 2014 12TP2 (INT); 2014 12TP3 (INT)

Knowledge and understanding of academic genres are essential for success, particularly in a higher education context. International students will encounter new genres in an Australian higher education context. They will need to become competent users of these genres to succeed in their undergraduate degrees, they may also need to adapt to different learning and teaching styles. This unit aims to explore different academic genres through the content of communication theory to enhance international students' competency in the use of these genres. It will provide opportunities for students to gain knowledge and understanding of common academic genres in an Australian university context to enhance their competency in terms of their use of these genres.

QCE003 English for Academic Purposes for Direct Entry to QUT

Credit Points: 48
Campus: Kelvin Grove
Teaching Periods: 2014 12TP1 (INT), 2014 12TP2 (INT); 2014 12TP3 (INT)

This unit provides assistance to international students to upgrade your English proficiency level to meet university entry requirements for QUT Degree and Post-Graduate programs. The aims of the EAP unit are to: (a) assist you to upgrade your English proficiency level in speaking, listening, reading and writing to meet university entry requirements, (b) prepare you for independent study and to familiarise you with an Australian academic context.

QCE004 English for Academic Purposes for QUTIC Courses

Credit Points: 48
Campus: Kelvin Grove
Teaching Periods: 2014 12TP1 (INT), 2014 12TP2 (INT); 2014 12TP3 (INT)
This unit is designed to help you gain entry to University Entry programs (Foundation and University Diploma). Its purpose is to improve your English language and study skills in order to prepare you for independent study and to familiarise you with the Australian academic environment. The aims of the EAP unit are to: assist you to upgrade your English proficiency level in speaking, listening, reading and writing to meet university entry requirements; prepare you for independent study and to familiarise you with an Australian academic context. 

**QCE007 English for Academic Purposes Advanced**

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<td>Teaching Periods</td>
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The English for Academic Purposes Advanced course helps international students to upgrade their English proficiency level and to meet university entry requirements. This course is designed to prepare students for independent study and to familiarise them with an Australian academic setting in terms of study techniques and student/lecturer relations and expectations.

**QCE009 EAP Plus**

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This course is designed for international students intending to gain entry into University degree programs. Its purpose is to improve students’ academic English and study skills in order to prepare them for independent study and to familiarise them with the Australian academic environment. The aims of the EAP unit are to: (a) assist you to upgrade your English proficiency level in speaking, listening, reading and writing to meet university entry requirements. (b) prepare you for independent study and to familiarise you with an Australian academic context.

**QCF115 Foundation English**

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<td>Teaching Periods</td>
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In this unit students will develop the four macro English language skills: reading, writing, speaking and listening, through a variety of active learning tasks and experiences. The unit will provide students with skills to explore and use the English language in different contexts and prepare you to undertake further studies in communication. The aim of this unit is to introduce international students to a variety of contexts which require using and developing a variety of English language skills.

**QCF120 Accounting 1**

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Accounting plays a vital role in the successful management of financial assets in personal, business and social contexts and involves recording, reporting, analysing and interpreting financial and other information used for making and evaluating decisions about the allocation of resources. Accurate and timely accounting information is essential for effective business decision-making regarding performance evaluation, operational control and long-term survival. This unit, designed for students with little or no previous exposure to accounting, aims to equip them with the basic background and accounting techniques to process financial data from source documents through to end of period reports for a sole-trading entity.

**QCF121 Economics 1**

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This unit is designed to develop the critical thinking and analytical skills that international students will need in a university environment through a study of introductory micro economics. In this unit students will be required to recall basic economic concepts, interpret economic data, respond to economic problems and use economic reasoning to examine policy options and responses. The aim of this unit is to enable students to demonstrate proficiency in the critical thinking and analytical skills that are required to interpret and solve economic problems. In addition, the unit is designed to develop an economic understanding and an introductory knowledge of the theory/terms of economics.

**QCF122 Organisations And Management**

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<th>Credit Points</th>
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<tr>
<td>Campus</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 13TP3 (INT); 2014 13TP1 (INT); 2014 13TP2 (INT)</td>
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</table>

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. Students will develop a range of skills that are required by the individual to function effectively in teams and in an organisation. The aim of this unit is to introduce students to the fundamentals of organisations and management, providing a clear understanding of systems, procedures and practices and ways for employees to operate effectively in an organisation.

**QCF130 Accounting**

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</table>

This unit is designed for students with little or no prior exposure to accounting. Its objective is to acquaint the student with the basic concepts underlying double entry accounting, enabling them to employ accounting techniques to process financial transactions from source documents through to end of period reports for a sole trading entity. As well preparation of cash budgets and analysing and interpreting the financial reports using financial ratios and other measures will be considered from a management perspective.

**QCF140 Economics**

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<tr>
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</table>

This unit introduces students to fundamental microeconomic and macroeconomic concepts, enabling an understanding of decision-making in the context of consumers, businesses, markets and governments. It provides students with experience of problem-solving from an economic perspective and builds on knowledge, skills and applications that will help them with their other studies.

**QCF153 Physical Sciences**

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<td>Teaching Periods</td>
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</table>

The physical sciences are the enabling sciences that underpin all of the ‘new technologies’. Almost all areas of science and technology require a fundamental understanding of chemistry and physics. This unit is designed as an introductory unit for students who then can elect to take either Chemistry and/or Physics in second semester. Physical Sciences provide a solid foundation in both chemistry and physics upon which further knowledge can be built. The aim of this unit is to: foster an understanding of fundamental concepts in some topics within the broad area of physical sciences develop an attitude of open inquiry and an appreciation of scientific methodology.
QCF156 Mathematics A1
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 13TP3 (INT), 2014 13TP1 (INT); 2014 13TP2 (INT)
To be an effective professional in a wide range of areas such as engineering, science, information technology, health, accounting, economics and business, an appropriate level of mathematical competence is essential. In our own personal lives, a basic knowledge of topics such as statistics, probability, measurement and financial mathematics is also beneficial. This unit aims to give students a basic knowledge and the fundamental skills of arithmetic, statistics, probability, measurement and financial mathematics. This unit also aims to develop students' ability to apply these concepts in solving problems.

QCF157 Mathematics B1
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 13TP3 (INT), 2014 13TP1 (INT); 2014 13TP2 (INT)
To be an effective professional in a wide range of areas, such as engineering, science, information technology, health, accounting, economics and business, an appropriate level of mathematical competence is essential. In our own personal lives, a basic knowledge of topics such as statistics, probability, measurement and financial mathematics is also beneficial. This unit aims to give students a basic knowledge and the fundamental skills of algebra, statistics, probability, functions and trigonometry. This unit also aims to develop students' ability to be able to apply these concepts in solving problems. This unit provides students with a foundation for further study in calculus, trigonometry and statistics.

QCF160 Introduction to Creativity
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 13TP3 (INT), 2014 13TP1 (INT); 2014 13TP2 (INT)
There is increasing recognition of the importance of creativity to all aspects of society. This unit provides opportunities to analyse and evaluate creative applications, ideas and concepts and to understand the creative processes involved in their development and production. Completion of this unit will assist in the learning of language, key terms and concepts related to creativity, with reference to creative applications and the creative industries. The aim of this unit is to provide a broad understanding of the nature of creativity and the processes involved for a person to be creative.

QCF200 Australian Studies
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 13TP1 (INT); 2014 13TP1 (INT); 2014 13TP2 (INT)
An understanding and appreciation of contemporary Australian society is essential for international students wishing to progress to degree studies at an Australian university. In this unit, students undertake a directed exploration of contemporary Australian society, with a focus on critical historical events, current issues and social and cultural norms. Students are encouraged to develop their own analyses of contemporary Australia with reference to various academic and non-academic sources as well as personal experience.

QCF212 Academic English 2
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 13TP6 (INT), 2014 13TP3 (INT), 2014 13TP1 (INT); 2014 13TP2 (INT)
Academic English 2 is designed to provide international students with the necessary academic literacy skills to successfully transition to first year undergraduate studies. You will be introduced to a variety of spoken and written genres and language. The aim of this unit is to provide opportunities for students to practice, develop and apply academic literacy skills in context.

QCF210 Introductory Chemistry
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 13TP3 (INT), 2014 13TP1 (INT); 2014 13TP2 (INT)
The subject is to provide students with an understanding of the fundamental concepts and applications of chemistry and to develop an appreciation and understanding of the complexities of natural systems, and is relevant for students in the fields of applied science and health science. The aim of this unit is to integrate knowledge from a number of different disciplines in order to develop a broad understanding of the living world.

QCF212 Data Analysis
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 13TP3 (INT), 2014 13TP1 (INT); 2014 13TP2 (INT)
This is the second level accounting subject in the Foundation Program, further developing students' understanding of accounting and business functions, enhancing their ability to understand and employ practical accounting applications. Acquisition of these skills prepares students for accounting and finance units encountered later in degree courses. Accurate and timely accounting information is essential for effective business decision-making, performance evaluation, operational control and long term success. The aim of this unit is to provide students with the accounting background, enhancements and extensions to basic accounting subsystems and controls for a sole trader to enable a fuller understanding of accounting applicable to the accounting cycle as it operates in a real world context.

QCF221 Economics 2
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 13TP3 (INT), 2014 13TP1 (INT); 2014 13TP2 (INT)
This unit is designed to develop the critical thinking and analytical skills that international students will need in a university environment through a study of economics. In this unit, students will be required to recall basic economic concepts, interpret economic data and respond to economic problems. The aim of this unit is to enable students to demonstrate proficiency in using economic and analytical tools that are required to interpret and solve economic problems. In addition, the unit is designed to develop knowledge of the theories/terms of economics.

QCF225 Chemistry
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 13TP3 (INT), 2014 13TP1 (INT); 2014 13TP2 (INT)
The language and basic concepts of chemistry together with the associated skills of chemical analysis and experimentation are relevant to future studies in many fields, particularly engineering, applied sciences and health sciences. The aim of this subject is to provide students with an understanding of fundamental concepts of chemistry and to develop problem solving skills in a scientific context.

QCF256 Mathematics A2
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 13TP3 (INT), 2014 13TP1 (INT); 2014 13TP2 (INT)
To be an effective professional in a wide range of fields, an appropriate level of mathematical competence is essential. In our own personal lives a basic knowledge of topics such as statistics, probability, measurement and financial maths is also beneficial. This unit aims to give students a basic knowledge and the fundamental skills of algebra, statistics, probability, functions and trigonometry. This unit also aims to develop students' ability to be able to apply these concepts in solving problems. This unit provides students with a foundation for further study in calculus, trigonometry and statistics.

QCF257 Mathematics B2
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 13TP3 (INT), 2014 13TP1 (INT); 2014 13TP2 (INT)
A knowledge of life science develops a greater appreciation and understanding of the complexities of natural systems, and is relevant for students in the fields of applied science and health science. The aim of this unit is to integrate knowledge from a number of different disciplines in order to develop a broad understanding of the living world.

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.00213J.
QEN001 IELTS Advanced
Credit Points: 20
Campus: Kelvin Grove
Teaching Periods: 2014 STP7 (INT), 2014 STP9 (INT)

IELTS Advanced is designed to prepare candidates who have already achieved IELTS 6.5 (with no sub-score less 6.0) or acceptable equivalent, for the IELTS Test, Academic Module. It is offered to those seeking to achieve a score of IELTS 7.0 or higher. This is a test preparation course and students must take an official IELTS test and achieve the required score. The course will also familiarise students with an Australian academic setting in terms of study techniques and student/lecturer relations and expectations. On completion of the IELTS Advanced program, students will take an IELTS test. For entry into programs that require a score of IELTS 7.0 or above, students must achieve this score in an official IELTS test to meet the requirements.

QEN002 General English
Credit Points: 20
Campus: Kelvin Grove
Teaching Periods: 2014 STP1 (INT), 2014 STP7 (INT), 2014 STP9 (INT)

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. Classes at specific levels are offered subject to demand. On completion of this course students should have attained a level of proficiency (at the relevant exit level, as indicated in the proficiency statement below):

QEN003 General English
Credit Points: 20
Campus: Kelvin Grove
Teaching Periods: 2014 STP1 (INT), 2014 STP7 (INT), 2014 STP9 (INT)

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.

QEN004 General English
Credit Points: 20
Campus: Kelvin Grove
Teaching Periods: 2014 STP1 (INT), 2014 STP7 (INT), 2014 STP9 (INT)

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.

QEN005 General English
Credit Points: 20
Campus: Kelvin Grove

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.
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.

QEN006 General English

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| Teaching Periods | 2014 STP1 (INT), 2014 STP7 (INT), 2014 STP6 (INT), 2014 STP5 (INT); 2014 STP2 (INT), 2014 STP3 (INT); 2014 STP4 (INT) |

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.

QEN007 General English

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| Teaching Periods | 2014 STP1 (INT), 2014 STP7 (INT), 2014 STP6 (INT), 2014 STP5 (INT); 2014 STP2 (INT), 2014 STP3 (INT); 2014 STP4 (INT) |

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.

QEN008 General English

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| Teaching Periods | 2014 STP1 (INT), 2014 STP7 (INT), 2014 STP6 (INT), 2014 STP5 (INT); 2014 STP2 (INT), 2014 STP3 (INT); 2014 STP4 (INT) |

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.

QEN009 General English

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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.

SCB113 Chemistry for Health and Medical Science

<table>
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<tr>
<th>Pre-requisites</th>
<th>PQB105, SCB111 and SCB121</th>
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The aim of this unit is to introduce students to the basic concepts of general, analytical, physical and organic chemistry; generate an understanding of the importance of chemical bonding and molecular structure and how these factors effect the properties of organic and bioorganic molecules; and allow recognition of, and provide an understanding of, the nature of organic functional groups.

SCB131 Experimental Chemistry

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>SCB113 or PQB105 or (SCB111 and SCB121); SCB121 can be concurrently enrolled with SCB131</th>
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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.

SCB384 Forensic Sciences - From Crime Scene to Court

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The aim of this unit is to provide you with an introduction to the theory that underpins crime scene investigations, and to give you some appreciation of the practices involved in the processing of a crime and some of the collected evidence, within the framework of the justice system.

SCB500 Industry Project

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<td>Campus</td>
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| Teaching Periods | 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT) |

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.

SCB501 Research Project for Dean's Scholars

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| Teaching Periods | 2014 SEM-1 (INT); 2014 SEM-2 (INT) |

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.

SEB101 Science in Context

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<thead>
<tr>
<th>Co-requisites</th>
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| Teaching Periods | 2014 SEM-1 (INT) |

SEB101 'Science in Context' lays the foundation for an understanding of the theory and practice of science in the context of broader social, economic and political considerations. Legal and ethical implications of scientific research will provide context for how you, as scientists, will work. This unit is closely integrated with SEB102 'Understanding Science' and provides an opportunity for you to explore in more depth, the contextual factors related to your choice of problem/challenge in that unit.

SEB102 Understanding Science

<table>
<thead>
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<th>Co-requisites</th>
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| Teaching Periods | 2014 SEM-1 (INT) |

Understanding Science explores world events, problems or phenomena from a scientific perspective, discovering the many ways in which science is used and misused by practicing scientists and the public. You will understand the problems and challenges of modern scientific enquiry using a range of multidisciplinary perspectives and explore solutions focussed approaches.

SEB113 Quantitative Methods in Science

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<th>Anti-requisites</th>
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| Teaching Periods | 2014 SEM-1 (INT); 2014 SEM-2 (INT) |
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/. CRICOS No.00213J.

**Units**

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<td>SEB400</td>
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<td>SEB401 (can be enrolled in the same teaching period)</td>
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This is the capstone unit for the SEF Honours degree and draws together the theory, practice and discipline fundamentals that have been covered in your Bachelor's degree as well as the Introduction to Research and Reviewing the Field units. In this unit you will execute, complete and present your research project. This unit will prepare you for your transition to the professional world or for a further career in research.

**SEB114 Experimental Science**

Co-requisites: SEB113

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT)

This unit is concerned with developing testable, quantifiable models of the world around us for the purpose of creating a sustainable, safe future for humankind. To this end scientists employ a unique methodology termed the Scientific Method. SEB114 'Experimental Science' focuses on the applied principles and concepts embodied by the Scientific Method. You will do experimental science, via inquiry-led practice, working both individually and collaboratively. Through field and/or laboratory experiences, you will focus in-depth on real world applications in two disciplines of your choice.

**SEB400 Foundations of Research**

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit facilitates the acquisition of knowledge and essential skills related to conducting research. This unit introduces you to the research process, project planning and management, and methodologies used in science, information technology, engineering, mathematics, urban development and property economics. The learning acquired in this unit will be applied to your project which is further developed in the Research units.

**SEB401 Reviewing the Field**

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit aims to provide you with the opportunity to continue to learn in a work place 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; workplace, 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) or it may be one of several Work Integrated Learning (WIL) units (selected as part of a minor).

**SEB701 Work Integrated Learning 1**

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)

This unit provides opportunities to learn from workplace experiences. It involves 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; workplace, 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) or it may be one of several Work Integrated Learning (WIL) units (selected as part of a minor).

**SEB702 Work Integrated Learning 2**

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT)

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.

**SEB703 Work Integrated Learning 3**

Credit Points: 12

Campus: Gardens Point

Teaching Periods: 2014 SEM-1 (INT)

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.
SEB704 Work Integrated Learning 4
Equivalents: BEB704
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

STB551 Engaging with the Innovation Industry
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

SEB705 Work Integrated Learning 5
Equivalents: BEB705
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

STB709 Innovation and Commercialisation Project
Pre-requisites: STB551
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

SEB709 Work Integrated Learning 1
Equivalents: BEB709
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

SEB709 is for students who are undertaking a second primary major in the same course, and who have already completed SEB701 in their first primary major. Please note, advance standing for BEB701 cannot be granted for a second primary major in the same course.

STB709 Innovation and Commercialisation Project
Pre-requisites: STB551
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

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.

SWB100 Orientation to Social Work and Human Services
Anti-requisites: HHB100
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

At the beginning of studies in Social Work and Human Services it is essential that students develop a clear understanding of the scope of social work or human services, the context in which they are located, and the changing patterns of professional occupations and service delivery. It is also essential that students begin to explore their own motivations for becoming a social work or human service practitioner and begin to develop a sense of professional identity. It is anticipated that student’s engagement with this reflective journey will continue throughout the social work or human services course. An understanding of cultural diversity and the construction of ‘difference’ are integral to social work and human service practice. Understanding and reflecting on cultural diversity will be an embedded feature of this unit.

SWB102 Human Development and Behaviour
Anti-requisites: HHB102
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

Social work and human service students are studying for professional careers that enhance people’s personal and social wellbeing and development, enhance problem solving in relationships, and promote human rights and social justice. To do this you need to understand how individual development and behaviour are shaped by a range of factors including biological, psychological, socio-cultural, political and economic factors. You will learn about a range of theories of development and behaviour and
consider the implications of such ideas for social work and human service practice. You will learn about key aspects of human behaviour such as emotion, motivation and socialisation and integrate and communicate this knowledge. Studying this information in the first year of the course provides you with necessary foundational information about people and the environments that shape their lives.

**SWB105 Introduction to Human Rights and Ethics**

**Anti-requisites:** HHB114

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit examines the relationship between human rights and thematic challenges including climate change, poverty, terrorism and oppressive forms of intolerance and discrimination. It offers the opportunities to investigate present day concerns relating to the human rights of women, indigenous peoples and minority groups as well as specific topics such as human trafficking, harmful cultural practices, workers rights and child soldiers.

**SWB106 Applied Skills and Scholarship**

**Anti-requisites:** HHB116

**Credit Points:** 12

**Campus:** null

**Teaching Periods:** 2014 SEM-2 (INT)

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]

**SWB108 Australian Society, Systems and Policies**

**Anti-requisites:** SWB103, SWB218

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-2 (INT)

It is imperative for human services and social work professionals to have a comprehensive understanding of the diversity of factors within Australian society which lead to and sustain disadvantage, marginalisation, social exclusion and injustice and breaches of human rights. This unit provides an introduction to Australian society with a particular focus on those institutions, structures, systems and processes which are critical and relevant for professional practice.

**SWB109 Working with Aboriginal and Torres Strait Islander Peoples and Communities**

**Anti-requisites:** EDB041

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-2 (INT)

Understanding the impacts of dispossession, colonisation and policy directives on the ability to achieve self-determination and empowerment as basic human rights provides a requisite platform for practice and thereby helps to redress the profound disadvantage evidenced across a range of social, health and economic indicators, social exclusion and marginalisation. Effective social work and human service practice with Aboriginal and Torres Strait Islander individuals and communities requires practitioners to possess an in-depth understanding and knowledge of past practices and policies and their continuing impact in contemporary society. Reflexive and reflective practice, where students look inward and deconstruct their own values and beliefs about Aboriginal and Torres Strait Islander people and their social and community contexts are critical skills for potential social work and human service practitioners.

**SWB110 Understanding Families and Relationships**

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-2 (INT)

This unit critically examines professional roles within the organisational context of Human Service and Social Work practice. Using an approach that combines traditional classes with an experiential approach, it examines the professional role, organisational needs, student developmental needs, motivations, and personal responses to these factors in the Human Service/Social Work context.

**SWB200 Working in Human Service Organisations**

**Pre-requisites:** SWB100 or HHB100

**Anti-requisites:** HHB200

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-1 (INT)

This unit critically examines professional roles within the organisational context of Human Service and Social Work practice. Using an approach that combines traditional classes with an experiential approach, it examines the professional role, organisational needs, student developmental needs, motivations, and personal responses to these factors in the Human Service/Social Work context.

**SWB201 Human Services Practice Placement 1**

**Pre-requisites:** (SWB100 or HHB100) and PYB007

**Anti-requisites:** SWB208 or HHB208, SWB209

**Credit Points:** 24

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-1 (INT)

The professional human service role requires practitioners to demonstrate proficiency in applying relevant knowledge and skills in complex situations. In order to integrate and contextualise the theoretical knowledge students have obtained thus far in their human services course, they are required to undertake work integrated learning (WIL) where they will demonstrate satisfactory achievement of the Australian Community Welfare Association’s seven core competencies. This introductory practice unit encompasses 200 hours of direct practice within one human services agency. The placement provides the beginning practitioner with opportunities to assess firsthand the manner in which human service practitioners implement strategies to assist service users.

**SWB202 Health, Wellbeing and Social Work**

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-2 (INT)

The unit focuses on developing competent social work and human services professionals by providing students with opportunities to develop knowledge, skills and dispositions specifically relevant to work with children and families. Students from, education, psychology, and health related areas also find this unit useful as it provides a foundation in theories and practices for working with children and families that is transferable to a wide range of professional settings.

**SWB204 Introduction to Child and Family Services**

**Anti-requisites:** HHB204

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-2 (INT)

As social work and human service practitioners it is essential to have an understanding of and capacity to critique the range of ways young people are constructed in academic and popular contexts. It is also important for practitioners to have an appreciation of current policies oriented to young people and the nature of the various service delivery systems and programs in operation.

**SWB207 Introduction to Youth Services**

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-2 (INT)

Social work and human service practitioners are expected to be familiar with casework and case management processes and practice models, including understanding their strengths and limitations and implications for practice. Accordingly, this unit provides foundational knowledge and skill for practitioners who will utilise these critical tools.

**SWB211 Casework and Case Management**

**Credit Points:** 12

**Campus:** Kelvin Grove

**Teaching Periods:** 2014 SEM-2 (INT)

Social work and human service practitioners are expected to be familiar with casework and case management processes and practice models, including understanding their strengths and limitations and implications for practice. Accordingly, this unit provides foundational knowledge and skill for practitioners who will utilise these critical tools.
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/. CRICOS No.00213J

Unit: SWB212 Community and Place Based Practice

- **Anti-requisites:** HHB212
- **Credit Points:** 12
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SEM-2 (INT)

Community level practice is a key social work and human services method. Various theories and approaches to ‘community’ and community work have been developed and used in practice. In recent years this has extended to include the need for locality oriented frames of ‘space’ and ‘place’, particularly as these apply to disadvantaged localities and tensions in various people’s use of public spaces. This unit develops baseline practice skills and techniques for community level practice underpinned by social work and human service ethics and values.

Unit: SWB214 Group and Team Practice Skills

- **Credit Points:** 12
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SEM-1 (INT)

Working collaboratively and effectively with colleagues and clients in groups and teams is a key skill in human services and social work practice, particularly when working with vulnerable and often marginalised groups across diverse settings. This unit provides you with an opportunity to gain a fundamental understanding of the dynamics of groups and teams and to acquire beginning skills for effective engagement and intervention. It is located in the first year to provide a platform for collaborative academic and professional work.

Unit: SWB219 Legal and Ethical Dimensions of Social Work and Human Services

- **Pre-requisites:** SWB100 and SWB105
- **Anti-requisites:** HHB277
- **Credit Points:** 12
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SEM-2 (INT)

The legal dimensions of practice range from the nature of legislative provisions to the legal accountabilities of direct practice. Practitioners often work with vulnerable and/or marginalised persons, groups and communities and need to understand the law as both context and a dynamic resource with which they can engage. Legal and ethical considerations in practice often intersect and are usefully examined in conjunction with each other. An understanding of capacity to respond to ethical dimensions of practice situations is central to professional capability and requires students develop literacy about key ethical approaches and concepts, and the capability to critically apply social work and human service professional Codes of Ethics.

Unit: SWB220 Practice Theories

- **Anti-requisites:** HHB278
- **Credit Points:** 12
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SEM-1 (INT)

In line with the orientation of the social work and human service courses as a whole, this unit emphasises the conceptual component of your developing personal and professional practice framework integral to working effectively with a range of services users in a variety of different contexts. It is essential that students have a capacity to integrate and apply theoretical concepts to specific practice contexts, consider their own practice frame of reference and ideological influences, and understand the implications of these for practice.

Unit: SWB221 Professional Practice Processes and Assessment

- **Anti-requisites:** HHB279
- **Credit Points:** 12
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SEM-1 (INT)

Human service and social work students must build foundational knowledge and skills in core practice processes and assessment. This unit begins that foundation through focusing on integration of theory and practice. Because of its importance in preparing you to undertake professional placements, the unit is strategically located in second year. Understanding and reflecting on cultural diversity will be an embedded feature of this unit.

Unit: SWB222 Advanced Communication for Social Work and Human Services

- **Pre-requisites:** HHB113 or SWB104 or PYB007
- **Anti-requisites:** HHB215, HHB282
- **Credit Points:** 12
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SEM-1 (INT)

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 is a skills based unit located in the second year of the Social Work degree and the third year of the Human Services degree to build upon fundamental communication skills. These culturally sensitive and diverse skills are the core of sound practice, whether at a micro or macro level. The essential practitioner skill of a heightened sense of self is closely examined as are reflective strategies to effectively deal and prevent vicarious trauma, burnout and enhance lifelong learning.

Unit: SWB301 Advanced Professional Practice

- **Pre-requisites:** (SWB200 or HHB200), (SWB208 or HHB208), (SWB209 or HHB209), (SWB219 or HHB277), (SWB220 or HHB278) and (SWB221 or HHB279)
- **Anti-requisites:** SWB314, SWB315, HHB301
- **Credit Points:** 36
- **Campus:** Kelvin Grove

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 complemented by university workshops, liaison visits from University staff and peer group experiences. The outcome of this placement will provide students with a sound platform from which to move from the university setting to the professional practice arena. [SWB301 is incompatible with HHB301]

Unit: SWB304 Child Protection and Family Practice

- **Pre-requisites:** SWB204 or HHB204
- **Anti-requisites:** HHB304
- **Credit Points:** 12
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SEM-1 (INT)

This unit contributes to the aims of the social work and human services courses by extending and deepening your knowledge for practice with children and families. In particular you will extend and apply understandings related to child development and family process, cultural safety and the wellbeing of Aboriginal and Torres Strait Islander children and families, service contexts and collaborative practice, and contemporary policy and practice frameworks for child and family work.

Unit: SWB306 People, Community and Disability

- **Credit Points:** 12
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SEM-1 (INT)

Social work and human service practitioners must have the relevant professional knowledge and skills to understand the impact of disability, chronic conditions and health-related issues experienced by people and encountered in the community. The experience of disablement, chronic conditions or health-related issues can universally impact on people of any age or culture at any point during life course transition. This unit provides a platform for developing and integrating knowledge and skills to effectively respond to disability issues and challenging social constructions located in international, national and local community contexts.

Unit: SWB307 Youth Services Practice

- **Pre-requisites:** SWB207 or HHB207
- **Credit Points:** 12
- **Campus:** Kelvin Grove
- **Teaching Periods:** 2014 SEM-1 (INT)

This unit focuses on a wide range of practice arenas relevant to work in services for young people. Increasingly professionals working with young people or in agencies concerned with or impacting on young people require expertise about specific issues and practice responses. This expertise may be related to a particular professional role (eg policy analyst and advocate), the orientation or framework employed by the funding program or service (eg early intervention or prevention), or particular practice approaches that respond to issues/needs that may be impacting on young people who constitute the target group (eg mental health, drug use, juvenile offending).
It is imperative that social workers are able to clearly express and concisely articulate well developed professional frameworks that guide practice. All frameworks include important ethical components which in the Australian context are informed by the AASW Code of Ethics (2010). It is offered at this point in the course as an important complement to professional placement. Your personal and professional practice framework is perhaps the most important piece of work that you will develop and utilise following your academic studies.

Social workers need knowledge and skill to support their understanding and capacity to intervene and/or support individuals, families, groups and communities affected by mental illness or disorder. While social workers across the range of practice fields require this knowledge and these skills, those working in agencies that provide treatment for mental illness and alcohol and drug misuse need higher capabilities. Social work practice is concerned with the social context and social consequences of mental illness and disorder, and the promotion of mental health. The unit content builds on knowledge of human development, behaviour and emotion across the lifespan.

This unit illustrates the scope of social work practice by applying social work knowledge, skills and values to a range of international and regional issues. You will explore the relationship between core social work principles and values and global international issues including social justice, human rights, development principles and values and global international issues, and the processes and skills needed by Social Workers to address these issues. Resolution processes. This unit provides an overview of the processes and skills needed by Social Workers to address these issues. Resolution processes.
### SWB400 Macro Context of Social Work Practice

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<th>Pre-requisites</th>
<th>Credit Points</th>
<th>Campus</th>
<th>Teaching Periods</th>
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<tbody>
<tr>
<td>SWB108 or SWB218 or SWB103</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
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</table>

Social workers must have a thorough understanding of the structure of government, an awareness of economic budgetary processes, an appreciation of the 'art' and extent of real world politics - 'realpolitik' - and how these combine to shape and change social policy. This unit describes and explores the relationship between politics, economics and social policy placing particular emphasis on the implications of these and other macro forces for social work practice.

### SWB401 Research Methods for Professional Practice

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<th>Pre-requisites</th>
<th>Credit Points</th>
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<th>Teaching Periods</th>
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<tbody>
<tr>
<td>SWB100 or HHB100</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
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This unit equips students 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 including reflective practice, participatory action research, service evaluation and quality assurance processes, and the use of empirical research to inform practice. Students will be able to apply methods learnt to a range of service delivery and practice contexts.

### SWB402 Social Work Field Education 2A

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<th>Pre-requisites</th>
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<tr>
<td>SWB220 and SWB221 and (SWB310 or HHB278) and SWB316 and SWB317</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
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To practise ethically, competently and accountably, social work practitioners demonstrate proficiency in applying relevant knowledge and skills in complex situations, meet the six AASW Practice Standards and comply with the Code of Ethics. In order to integrate and contextualise the theoretical knowledge students have obtained thus far in their course, this unit requires students to undertake work integrated learning (WIL) where they will demonstrate satisfactory achievements of the areas outlined in their PLP. They must completely apply strategies to assist service users, engage in critically reflective practice, enhance their personal practice framework and examine the influences of practice methods, clients, staff, organisational, cultural and community factors on program and intervention processes and outcomes.

### SWB403 Social Work Field Education 2B

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<th>Pre-requisites</th>
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<tbody>
<tr>
<td>SWB220 and (SWB310 or HHB278) and SWB316 and SWB317 and SWB402</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (BLK)</td>
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This unit recognises that you are about to transition from university to social work practice and that you will need to sustain your professional and educational development. Accordingly, this final semester unit provides a dual platform for transition to practice and independent professional development.

### SWB404 Complexity in Social Work and Human Services Practice

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<th>Pre-requisites</th>
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<tr>
<td>SWB201 or SWB316 or SWB317 and SWB219</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
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Social work and human service practitioners are often faced with presenting issues which display a high level of complexity. It has become increasingly recognised that direct practice should be more client focused or 'holistic', with workers being able to effectively deal with multiple issues, rather than provide a narrow response to a single issue. This presents a challenge to social workers and human service practitioners, particularly in the context of policy and program 'silos' which tend to promote a narrow focus. This unit broadens the analytical and practice framework for human service and social work professionals.

### SWB405 Advanced Social Work Project

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<th>Anti-requisites</th>
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<th>Teaching Periods</th>
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<tr>
<td>HHB411</td>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)</td>
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</table>

This unit enables students to undertake an in-depth study on an approved topic relevant to social work practice. To enable this, students will extend their knowledge and skills in undertaking various aspects of the research process as this relates to their investigation.

### SWN001 Planning, Literacy and Research For Professional Practice

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<th>Credit Points</th>
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<tr>
<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (BLK); 2014 SEM-2 (BLK)</td>
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This unit commences with a staff-mentored process which requires each student to conduct a reflexive 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.

### SWN002 Trends, Challenges and Opportunities in Social Work

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<th>Credit Points</th>
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<td>12</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (BLK)</td>
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</table>

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...
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.00213J

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<th>Units</th>
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<tr>
<td>SWN003 Political Economy and Policy Making</td>
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<tr>
<td>Pre-requisites</td>
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<tr>
<td>(SWN001 or SWN018) and SWN002</td>
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<tr>
<td>Credit Points</td>
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<tr>
<td>12</td>
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<tr>
<td>Campus</td>
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<tr>
<td>Kelvin Grove</td>
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<tr>
<td>Teaching Periods</td>
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<tr>
<td>2014 SEM-2 (BLK); 2014 SUM (INT)</td>
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</table>

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.

| SWN004 Professional Communication Skills                             |
| Pre-requisites                                                      |
| SWN018 or SWN001. SWN018 may be studied in the same teaching period as SWN004 |
| Credit Points                                                       |
| 12                                                                 |
| Campus                                                              |
| Kelvin Grove                                                        |
| Teaching Periods                                                    |
| 2014 SEM-1 (BLK)                                                    |

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 culturally diverse backgrounds. It develops necessary skills in inter-personal 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.

| SWN005 Health, Wellbeing and the Human Condition                   |
| Pre-requisites                                                      |
| SWN018 or SWN001. SWN018 may be studied in the same teaching period as SWN005 |
| Credit Points                                                       |
| 12                                                                 |
| Campus                                                              |
| Kelvin Grove                                                        |
| Teaching Periods                                                    |
| 2014 SEM-1 (BLK)                                                    |

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 wellbeing from a holistic perspective, and critiques the dominant bio-medical model and challenges perceptions that quality of life is determined merely by acquisition and consumption.

| SWN006 The Ethical, Legal and Organizational Context of Practice    |
| Pre-requisites                                                      |
| SWN018 or SWN001                                                    |
| Credit Points                                                       |
| 12                                                                 |
| Campus                                                              |
| Kelvin Grove                                                        |
| Teaching Periods                                                    |
| 2014 SEM-1 (BLK); 2014 SEM-2 (BLK)                                  |

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.

| SWN007 Casework Practice                                           |
| Pre-requisites                                                      |
| SWN018 or SWN001                                                    |
| Credit Points                                                       |
| 12                                                                 |
| Campus                                                              |
| Kelvin Grove                                                        |
| Teaching Periods                                                    |
| 2014 SEM-2 (BLK)                                                    |

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.

| SWN008 Group, Team and Community Work for Professional Practice    |
| Pre-requisites                                                      |
| SWN018 or SWN001                                                    |
| Credit Points                                                       |
| 12                                                                 |
| Campus                                                              |
| Kelvin Grove                                                        |
| Teaching Periods                                                    |
| 2014 SEM-2 (BLK)                                                    |

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.

| SWN009 Social Work Assessment and Intervention                     |
| Pre-requisites                                                      |
| (SWN018 or SWN001) and SWN004                                      |
| Credit Points                                                       |
| 12                                                                 |
| Campus                                                              |
| Kelvin Grove                                                        |

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.

| SWN010 The Socio-Cultural Context of Professional Practice         |
| Pre-requisites                                                      |
| SWN001 or SWN018                                                   |
| Credit Points                                                       |
| 12                                                                 |
| Campus                                                              |
| Kelvin Grove                                                        |
| Teaching Periods                                                    |
| 2014 SEM-1 (BLK)                                                    |

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.

| SWN011 Professional Practice 1                                    |
| Pre-requisites                                                      |
| SWN001 or SWN018 and SWN002                                        |
| Credit Points                                                       |
| 12                                                                 |
| Campus                                                              |
| Kelvin Grove                                                        |
| Teaching Periods                                                    |
| 2014 SEM-1 (INT); 2014 SEM-2 (BLK); 2014 SUM (INT)                 |

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.

| SWN012 Professional Practice 2                                    |
| Pre-requisites                                                      |
| SWN001 or SWN018 and SWN002                                        |
| Credit Points                                                       |
| 12                                                                 |
| Campus                                                              |
| Kelvin Grove                                                        |

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 culturally diverse backgrounds. It develops necessary skills in inter-personal 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.

| SWN006 The Ethical, Legal and Organizational Context of Practice    |
| Pre-requisites                                                      |
| SWN018 or SWN001                                                    |
| Credit Points                                                       |
| 12                                                                 |
| Campus                                                              |
| Kelvin Grove                                                        |
| Teaching Periods                                                    |
| 2014 SEM-1 (BLK); 2014 SEM-2 (BLK)                                  |

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.

| SWN007 Casework Practice                                           |
| Pre-requisites                                                      |
| SWN018 or SWN001                                                    |
| Credit Points                                                       |
| 12                                                                 |
| Campus                                                              |
| Kelvin Grove                                                        |
| Teaching Periods                                                    |
| 2014 SEM-2 (BLK)                                                    |

This unit builds 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.

| SWN008 Group, Team and Community Work for Professional Practice    |
| Pre-requisites                                                      |
| SWN018 or SWN001                                                    |
| Credit Points                                                       |
| 12                                                                 |
| Campus                                                              |
| Kelvin Grove                                                        |
| Teaching Periods                                                    |
| 2014 SEM-2 (BLK)                                                    |

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.

| SWN009 Social Work Assessment and Intervention                     |
| Pre-requisites                                                      |
| (SWN018 or SWN001) and SWN004                                      |
| Credit Points                                                       |
| 12                                                                 |
| Campus                                                              |
| Kelvin Grove                                                        |

This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/ CRICOS No.00213J
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<table>
<thead>
<tr>
<th>Units</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SWN011 May be taken in the same teaching period as SWN012</td>
<td></td>
</tr>
<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Campus</td>
<td>Kelvin Grove</td>
</tr>
<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT), 2014 SEM-2 (BLK); 2014 SUM (INT)</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>SWN014 Developing Social Work Practice Frameworks</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-requisites</td>
<td>SWN011, SWN012 and SWN013. SWN013 may be taken concurrently.</td>
</tr>
<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Campus</td>
<td>Kelvin Grove</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-2 (INT)</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>SWN013 Professional Practice</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Pre-requisites</td>
<td>SWN002 and SWN004 and SWN007 and SWN008 and SWN011 and SWN012.</td>
</tr>
<tr>
<td>Credit Points</td>
<td>24</td>
</tr>
<tr>
<td>Campus</td>
<td>Kelvin Grove</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (BLK), 2014 SEM-2 (INT); 2014 SUM (BLK)</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>SWN016 Human Development and Behaviour</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Campus</td>
<td>Kelvin Grove</td>
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<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT)</td>
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</tbody>
</table>

This unit commences with a staff mentored 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 EPOratiom in a social work job interview scenario.

<table>
<thead>
<tr>
<th>SWN017 Social Work Practice Frameworks - Frameworks and Transitions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-requisites</td>
<td>SWN011 and SWN012 and SWN013. SWN013 can be enrolled in the same teaching period as SWN017.</td>
</tr>
<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Campus</td>
<td>Kelvin Grove</td>
</tr>
<tr>
<td>Teaching Periods</td>
<td>2014 SEM-1 (INT), 2014 SEM-2 (INT); 2014 SUM (INT)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>UDB100 Urban Development and Sustainability</th>
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</thead>
<tbody>
<tr>
<td>Equivalents</td>
<td>DEB100,ENB100</td>
</tr>
<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Campus</td>
<td>null</td>
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</table>

This unit introduces you to the essential professional skills and practices specific 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 foundational 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.

<table>
<thead>
<tr>
<th>UDB101 Stewardship of Land</th>
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<tbody>
<tr>
<td>Equivalents</td>
<td>CNB105</td>
</tr>
<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Campus</td>
<td>null</td>
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</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>UDB102 Applied Law</th>
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<tbody>
<tr>
<td>Equivalents</td>
<td>BSB113,BSB113</td>
</tr>
<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Campus</td>
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</table>

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.

<table>
<thead>
<tr>
<th>UDB104 Urban Development Economics</th>
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<tbody>
<tr>
<td>Equivalents</td>
<td>null</td>
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<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Campus</td>
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</table>

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.

<table>
<thead>
<tr>
<th>UDB110 Residential Construction and Engineering</th>
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<tbody>
<tr>
<td>Equivalents</td>
<td>null</td>
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<tr>
<td>Credit Points</td>
<td>12</td>
</tr>
<tr>
<td>Campus</td>
<td>null</td>
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</tbody>
</table>

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; openings, 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.

<table>
<thead>
<tr>
<th>UDB111 Engineering Construction Materials</th>
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<tbody>
<tr>
<td>Equivalents</td>
<td>CNB102</td>
</tr>
<tr>
<td>Credit Points</td>
<td>12</td>
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<tr>
<td>Campus</td>
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</table>

The choice of material and the reliance on the material being ‘fit for purpose’ is essential to the success of the building project. This unit provides you with an introduction to building materials. We will cover the structural and non structural materials used in the construction process and focus on the basic properties, construction applications, behaviour, strength, durability, suitability, and limitations.
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.

UDB162 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.

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.

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.

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.

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.
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, groundwork, underpinning, tanking, structural steelwork, exterior elements, and bored piers); and the development and application of builders’ quantities.

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.

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.

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.

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.
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.

**UBD265 Site Planning**

- **Pre-requisites:** UDB201
- **Equivalents:** PSB431
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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.

**UBD266 Planning Processes and Consultations**

- **Pre-requisites:** (UBD263 and UDB264) or ENB267 or DE400MR-LNDARCH or DE420MR-LNDARCH
- **Equivalents:** PSB433
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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.

**UBD267 Development Assessment and Infrastructure**

- **Pre-requisites:** UDB263 or DE400MR-LNDARCH - Landscape Architecture Major
- **Equivalents:** PSB445
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

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.

**UBD281 Geographic Information Systems**

- **Equivalents:** PSB631
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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.

**UBD282 Remote Sensing**

- **Equivalents:** PSB655
- **Credit Points:** 12
- **Campus:** null

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.

**UBD283 Surveying Computations**

- **Pre-requisites:** (MAB100 or MAB120) and UDB212
- **Equivalents:** DBB446
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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.

**UBD284 Engineering Surveying**

- **Pre-requisites:** MAB101 and UDB182 and UDB283
- **Equivalents:** PSB641
- **Credit Points:** 12
- **Campus:** null

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.

**UBD285 Cadastral Surveying**

- **Pre-requisites:** UDB182
- **Equivalents:** PSB620
- **Credit Points:** 12

This unit includes: land title systems, re-instatement; 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 re-instatement of property boundaries as applicable to Queensland; the undertaking of a field survey to re-instate 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.

**UBD301 Research Methods**

- **Pre-requisites:** Completion of 240cp including 216cp in UDB units
- **Equivalents:** CNB395
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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.

**UBD302 Development Process**

- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-2 (INT)

**UBD310 Highrise Construction and Engineering**

- **Pre-requisites:** UDB210
- **Equivalents:** CNB201
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)

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 failures and rectification; alternative forms of external cladding; waterproofing problems.

**UBD311 Structural Engineering Design**

- **Pre-requisites:** UDB111 and UDB211
- **Equivalents:** CNB202
- **Credit Points:** 12
- **Campus:** Gardens Point
- **Teaching Periods:** 2014 SEM-1 (INT)
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.

### UDB315 Measurement 3

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>UDB212</th>
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<tbody>
<tr>
<td>Equivalents</td>
<td>CNB310</td>
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</tbody>
</table>

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).

### UDB316 Cost Planning and Control

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>UDB242</th>
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<tbody>
<tr>
<td>Equivalents</td>
<td>CNB393</td>
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</tbody>
</table>

Interrelationship between construction industry and economy; Fundamental principles of cost management (design and construction cost planning and 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.

### UDB317 Property Finance

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>UDB242</th>
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<tbody>
<tr>
<td>Equivalents</td>
<td>CNB393</td>
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</tbody>
</table>

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.

### UDB318 Urban Design

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Completion of 144cp of study</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Points</td>
<td>12</td>
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</table>

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.

### UDB319 Negotiation and Conflict Resolution

<table>
<thead>
<tr>
<th>Pre-requisites</th>
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<tbody>
<tr>
<td>Equivalents</td>
<td>CNB393</td>
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</tbody>
</table>

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.
Units

**UDB370 Environmental Planning and Management**

**Pre-requisites**
- UDB265 and UDB368 or (ENB274 or DLB600 or DAB525)

**Equivalents**
- PSB462

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-2 (INT)

This unit introduces environmental planning and management issues, policies, and methods relevant to your future practice as a planner, engineer, designer, or other built environment professional. As part of a multi-disciplinary team, you will participate in investigation of a contemporary case study, engaging in creative problem-solving and synthetic thinking incorporating skills and knowledge from prior units framed within new perspectives. By the end of the unit, you will have a firm grasp on a range of current environmental planning and management issues, and a framework for assimilating and addressing environmental policy in your future practice.

**UDB384 Geodesy**

**Pre-requisites**
- UDB383

**Equivalents**
- PSB643

**Credit Points**
- 12

**Campus**
- null

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.

**UDB385 Cadastral and Land Information Management**

**Pre-requisites**
- BEB200 or UDB200

**Equivalents**
- CEB259

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-1 (INT)

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.

**UDB387 Spatial and Land Information Management**

**Pre-requisites**
- UDB281

**Equivalents**
- PSB612

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-1 (INT)

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.

**UDB388 Spatial Analysis Practice**

**Pre-requisites**
- UDB281

**Equivalents**
- PSB654

**Credit Points**
- 12

This unit expands a student’s knowledge in the field of spatial information science within the framework of a practice exercise focusing 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.

**UDB410 Strategic Construction Management**

**Pre-requisites**
- UDB310 or Admission into BN85 or Admission into UDBXSMJ-CONSMGT

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-2 (INT)

UDB410 is a capstone construction management unit bringing together all the skills you have learnt so far in your UDB40 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.

**UDB420 Project Administration**

**Pre-requisites**
- UDB266

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-2 (INT)

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.

**UDB471 Urban Planning Practice**

**Pre-requisites**
- UDB266

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-1 (INT)

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.

**UDB472 Community Planning**

**Credit Points**
- 12

This unit introduces the Geospatial Mapping unit to 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.

**UDB382 Photogrammetric Mapping**

**Pre-requisites**
- UDB383

**Credit Points**
- 12

**Campus**
- null

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 developed knowledge and understanding of cartographic communication, surface modelling techniques and digital mapping.

**UDB383 Control Surveying and Analysis**

**Pre-requisites**
- MAB730

**Equivalents**
- PSB642

**Credit Points**
- 12

**Campus**
- Gardens Point

**Teaching Periods**
- 2014 SEM-1 (INT)

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; spherical as a geodetic reference surface, latitude, longitude, geoid separation and ellipsoidal height; mutual conversion of geodetic and Cartesian coordinates.
UDB474 Regional Planning Practice

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.

UDB475 Regional and Metropolitan Policy

Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-2 (INT)

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.

UDB483 Global Positioning Principles and Practice

Pre-requisites: UDB383 and UDB394
Equivalents: PSB644
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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.

UDB484 Topographic, Hydrographic and Mining Surveying

Pre-requisites: UDB383
Equivalents: PSB645
Credit Points: 12
Campus: null

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.

UDB485 Property Development Practice

Pre-requisites: UDB302 and UDB385
Credit Points: 12
Campus: Gardens Point
Teaching Periods: 2014 SEM-1 (INT)

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 bought together in this final semester unit to prepare you to fulfill 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.

UDN500 Ballast, Sleepers and Fasteners

Credit Points: 12
Campus: External
Teaching Periods: 2014 SEM-2 (EXT)

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.

UDN501 Rail and Related Track Structures

Credit Points: 12
Campus: External
Teaching Periods: 2014 SEM-1 (EXT)

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 management 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.

UDN502 Track Stability, Design and Formation

Credit Points: 12
Campus: External
Teaching Periods: 2014 SEM-2 (EXT)

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.

UDN503 Track Geometry and Train Interaction

Credit Points: 12
Campus: External
Teaching Periods: 2014 SEM-1 (EXT)

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.
UDN504 Track Construction, Civil Structures
Credit Points 12
Campus External
Teaching Periods 2014 SEM-2 (EXT)

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 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.

UDN505 Assets, Environment and Safety
Credit Points 12
Campus External
Teaching Periods 2014 SEM-1 (EXT)

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.

UDN510 Urban Planning Practice
Equivalents UDB471, DBP409
Credit Points 12
Campus Gardens Point
Teaching Periods 2014 SEM-1 (INT)

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.

UDN516 Master Concepts and Ethics Seminar
Equivalents UDB473
Credit Points 12
Campus Gardens Point
Teaching Periods 2014 SEM-1 (INT)

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.

UDN517 History of the Built Environment
Equivalents UDB162
Credit Points 12
Campus Gardens Point
Teaching Periods 2014 SEM-1 (INT)

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.

UDN551 Population and Urban Studies
Equivalents UDB164
Credit Points 12
Campus null
Teaching Periods null

This unit introduces the students to the demographical, 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.

UDN552 Development Assessment and Infrastructure
Equivalents UDB267
Credit Points 12
Campus null
Teaching Periods null

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.

UDN554 Planning Processes and Consultations
Equivalents UDB266, DBP402
Credit Points 12
Campus Gardens Point
Teaching Periods 2014 SEM-1 (INT)

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.

UDN555 Development Process
Equivalents UDB302
Credit Points 12
Campus null
Teaching Periods null

This unit will address the development process within the framework of a multi-disciplinary activity focusing on a practical exercise for the preparation and lodging 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.

UDN556 Urban Design
Equivalents UDB368
Credit Points 12
Campus Gardens Point
Teaching Periods 2014 SEM-1 (INT)

This studio unit develops skills in urban design analysis and intervention through the transformation of urban design theory into policies and design.
This unit builds upon the foundation property, construction, valuation and investment concepts that determine, develop and manage property and describes the various participants in the property market. It introduces the underlying concepts of property and provides the foundations for further study in the property valuation, property law and property management. The unit will expose students to the various professions and concepts that determine, develop and manage the built environment and how the disciplines of construction management, quantity surveying, urban design, valuations and regional planning and property economics interact to achieve an economic and sustainable built environment.

USB140 Imagine Property

This unit introduces the underlying concepts of property and describes the various participants in the industry and how their roles interact to develop, acquire, value and dispose of residential property in both the public and private sector. The unit will provide the foundations for further study in the property valuation, property law and property management. The unit will expose students to the various professions and concepts that determine, develop and manage the built environment and how the disciplines of construction management, quantity surveying, urban design, valuations and regional planning and property economics interact to achieve an economic and sustainable built environment.

USB141 Building Big

This unit builds on the construction fundamentals covered in the unit USB110 Residential Construction and further develops these concepts and applies them to the construction methods, building area measurement and quality of design and construction for industrial property, retail centres, high rise commercial and high rise residential property. These concepts will provide the basis for the understanding of how construction type and quality are reflected in the market demand and value of these property types from primarily a residential perspective. Interactive activities and assessment will be used to convey and test these fundamental property principles.

USB240 Market Analysis

This unit builds upon the foundation property, valuation and economic units from your first year.
This unit provides the opportunity for you to learn basic accounting and investment principles within the context of the property industry. You will also develop basic financial, cost and management accounting and financial management skills. This unit will support you to conduct more advanced financial and statistical calculations in later valuation and property units and is complementary to units in market analysis and property investment analysis.

**USB242 Experience Property**

**Pre-requisites**: USB140 or UDB140  
**Equivalents**: UDB242  
**Credit Points**: 12  
**Campus**: Gardens Point  
**Teaching Periods**: 2014 SEM-2 (INT)

This unit builds upon the preliminary property fundamentals covered in the unit USB140 Imagine Property, expanding those key concepts to income producing and investment grade assets. This unit develops an understanding of the various commercial market sectors and how various features of these markets impact on the value of a property asset. The unit will provide the foundations for the further study in the property valuation, property law and property investment and finance units from a commercial property perspective. Interactive activities and assessment will be used to convey these fundamental income producing property principles.

**USB243 Property Legislation**

**Pre-requisites**: USB242  
**Equivalents**: UDB241  
**Credit Points**: 12  
**Campus**: null

A practicing property professional and property valuer needs a good understanding of several areas of property related legislation as it applies to property transactions and property practice to be able to manage and avoid risk, identify property and valuation 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 Experience Property and Urban Development Law to explore how Commonwealth and State legislation is applied to property practice and property transactions, with particular focus on statutory valuation and property acquisition and resumption. The unit covers areas of property rights, contract, agency, statutory valuation, consumer protection and dispute resolution as applicable to a practicing property professional in Queensland.

**USB244 Asset Performance**

**Equivalents**: UDB344

This unit introduces students to a range of industry specific construction techniques and materials that are the core of any construction process. You are taught to read plans and build a house by studying construction theory and legislation, visiting building sites, and sketching construction details. This first year unit complements USB100 and prepares students for Integrated Construction Management and Commercial Construction Management.
This information is correct as at 19/12/2014. For the most up-to-date course information, visit http://www.student.qut.edu.au/study/units/. CRICOS No. 00213J

UXB110 or UDB110

UXB111 Imagine Construction Management

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Imagine what your future construction management career will be like. This unit introduces you to the essential professional skills and practices you will need throughout your studies and professional career and provides a sense of identity as a construction management professional. Key concepts such as occupation, health and safety, professional practice, ethics, information management and sustainability are explored. Recent developments in construction will be highlighted and the future of construction will be explored.

UXB120 Introduction to Heavy Engineering Sector Technology

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This unit introduces resource sector technology associated with on and off shore Oil and Gas (LNG), open cut and underground mining and power generation and distribution infrastructure including processing plants/plant design and infrastructure systems. Students will also develop introductory knowledge of safety and risk management within these sectors and develop an appreciation of mineral economics. It links to the work being undertaken in units Imagine Quantity Surveying and Cost Engineering.

UXB121 Imagine Quantity Surveying and Cost Engineering

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Imagine what your future Quantity Surveying and Cost Engineering career will be like. This unit focuses on three broad areas of professional quantity surveying and cost engineering and in doing so, considers the similarities and differences across Quantity Surveying and Cost Engineering. Firstly, what it means to be a professional is considered including image and status, fees, codes of ethics, professional competence and continuing professional development. Secondly, ways in which professionals engage with a workplace including terms of appointment are explored. Finally, the work of quantity surveying and cost engineering takes place within a social and environmental context and the unit will relate interactions between business and environmental interests including the natural environment, environment economics and ecologically sustainable development. This unit occurs in the first year of your course to provide you with the foundational context in quantity surveying and cost engineering and relates in particular to units in measurement and cost planning and controls.

UXB130 History of the Built Environment

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This unit looks at the interactions of forces and events that act to produce elements of the built environment, and the role played by the built environment in shaping human history through the use of historical examples from around the world.

UXB131 Imagine Planning and Design

This unit, generally taken by first year students in QUT’s planning course, emphasises development of a broad understanding of the role of urban and regional planning in society. You will participate in discussions of contemporary plans, programs and policies which guide development, and engage with theory through exploration of place. Individual and group work undertaken in this unit is intended to help you develop project management, research and software skills necessary for further university study and eventual professional practice.

UXB132 Urban Analysis

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This unit evolve with the necessary skills to comfortably undertake statistical and spatial analysis of cities and regions. Lectures will be based thorough urban analysis and will introduce a variety of quantitative analysis techniques, with hands-on exercises during the practical sessions.

UXB133 Urban Studies

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This unit introduces you to the various demographic, economic, social and physical aspects of our cities to help understand the nature of cities we live in. This unit builds upon the knowledge introduced in Imagine Planning and Design and Urban Analysis, and provides the theoretical foundation for application in studio type units in subsequent years.

UXB134 Land Use Planning

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This unit provides you with knowledge of and skills in land use planning and geographic information system (GIS) in an integrated way. This unit provides you with a balanced and clear introduction into the substantive domains of land use planning, one of the primary functions of planners. This unit builds on the academic skills learnt in USB100 - Understanding the Built Environment, UXB131 Imagine Planning and
Design and UXB132 - Urban Analysis.

UXB210 Commercial Construction

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<td>UXB110 or UDB110</td>
<td>UDB210</td>
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The aim of this unit is to provide you with extensive theoretical knowledge to manage and supervise the construction of a cross section construction types such as low rise residential apartment buildings and commercial and industrial buildings. The unit is centred 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; lift panel and portal/steel frame construction.

UXB211 Building Services

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<td>UDB215</td>
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This unit develops your knowledge, skills and application for Building services. The unit focuses on 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 contractual 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. It links to basic work and understanding previously undertaken in your first year of study and prepares you for further advanced units in Commercial and Highrise Construction Management and Services & Heavy Engineering Measurement.

UXB212 Designing Structures

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<td>UXB112 or UDB111</td>
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This unit will provide you with an understanding of 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. You will be taught techniques for the 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. Quantitative and qualitative techniques and approximation methods are taught as well as the use of computer software in structural analysis, with relevant Australian Standards as the basis for examination.

UXB213 Advanced Measurement for Construction

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<td>UDB212</td>
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Measurement is a core skill and attribute among building and infrastructure professionals. This attribute is particularly important in relation to the production of descriptive and quantified documents within the design cost management process for the purposes of tendering, estimating and construction cost management practices within the construction and infrastructure sectors. This unit develops a deeper appreciation of the measurement of more complex work sections and trades focused on more complicated structural trades and the development and application of suitable and accurate construction cost management documents in a concise and systematic manner. With the introduction to Measurement software applications you will develop strategies and abilities in dealing with more advanced virtual building graphical models as they relate to integrated practice concepts used in industry. This unit occurs in the second year of your course as it builds on the measurement attributes developed in the first year and assists you with further advanced units in Services & Heavy Engineering Measurement, construction estimating and other Cost management areas.

UXB214 Construction Estimating

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The unit develops your knowledge, skills and application for estimating techniques to quantify cost; Fundamental elements and methods of evaluating labour, materials and equipment costs 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). This unit occurs in the later part of the second year of your course as it builds on key principles developed in earlier technology and integrative units with Cost management aspects.

UXB220 Services and Heavy Engineering Measurement

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<tbody>
<tr>
<td>UXB213 or UDB212</td>
<td>UDB315</td>
<td>12</td>
<td>null</td>
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</table>

This unit develops a deeper appreciation of the measurement of more complex areas of services and heavy engineering including building services (hydraulics, drainage, mechanical and electrical) and heavy engineering works within the resources and infrastructure sectors. It builds on units previously undertaken in the earlier years of the course such as the Measurement of Construction, Heavy Engineering Sector Technology and Building services.

UXB230 Site Planning

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<tr>
<th>Pre-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
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</thead>
<tbody>
<tr>
<td>UXB131 or DEB101 or UDB161</td>
<td>UDB265</td>
<td>12</td>
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</tbody>
</table>

The objective of this unit is for you to learn, practice and apply site planning processes, techniques and skills on a selected project site. Topics include information retrieval and appraisal and analysis, technical, constructive critique, and presentation skills.

UXB231 Planning Processes

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<tr>
<th>Pre-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
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</thead>
<tbody>
<tr>
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<td>UDB266</td>
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</table>

You will study the logic, role and methods of successive stages of planning including aims, information analysis and synthesis, evaluation, strategy development, monitoring and review. You will learn how to integrate widespread consultation both within communities and with other professionals to help develop flexible and widely applicable planning processes.

UXB232 Negotiation and Conflict Resolution

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<tr>
<th>Pre-requisites</th>
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<th>Credit Points</th>
<th>Campus</th>
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</thead>
<tbody>
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<td>UDB369</td>
<td>12</td>
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</tbody>
</table>

This unit introduces you to the theory and practice of negotiation and conflict resolution, specifically as it applies to the built environment. In this unit you will acquire skills in effective communication, analysis of disputes and creative problem solving through active participation in role playing activities and intense investigation of real world conflicts. It links to a previous unit in planning processes undertaken by students in the planning course, prepares students for negotiations implicit in professional practice, and for critical analysis of built environment disputes.

UXB233 Planning Law

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<tr>
<th>Pre-requisites</th>
<th>Equivalents</th>
<th>Credit Points</th>
<th>Campus</th>
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</thead>
<tbody>
<tr>
<td>UXB231 or UDB266</td>
<td>UDB267</td>
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</table>

This unit provides the understanding of the basic political, policy, and legislation essential for planning professionals, whether they work in the public or the private sector. This unit provides important professional context and grounding in urban policy development, implementation, development assessment, and evaluation.
UXB310 High-rise Construction

**Pre-requisites**
UXB210 or UDB210

**Equivalents**
UDB310

**Credit Points**
12

**Campus**
null

You will be taught how to construct a high rise structure from the basement to the roof. The unit has a focus on protection of the public during construction, and temporary support, and also covers issues around: demolition; temporary services; deep excavation and foundations; retention and shoring systems; general engineering of 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; and general cost planning relevant for high rise construction. It builds upon principles and theory learnt in Residetion Construction, Commercial Construction, and Designing Structures.

UXB330 Urban Design

**Pre-requisites**
UXB230 or UDB265

**Equivalents**
UDB368

**Credit Points**
12

**Campus**
null

This studio unit develops skills in urban design and communication. You will learn, practice and apply urban design processes including analysis, conceptual design, and development design, as well as multimedia, 2D and 3D communication skills and techniques. You will have the opportunity to engage with industry and/or community partners as you develop a proposal for a selected site in Brisbane.

UXB331 Contract Administration

**Pre-requisites**
LWS012 or UDB102

**Equivalents**
UDB312

**Credit Points**
12

**Campus**
null

This unit develops your skills and application for the administration of construction contracts which represents one of the core applications for construction managers, quantity surveyors and cost engineers. In order to appreciate some of the commercial implications of contract administration you will study administrative implications for both parties to the contract. It links to the work previously undertaken in the earlier years of the course such as Introduction to Law and Commercial Construction Management and prepares you for the final semester projects.

UXB314 Modern Construction Business

**Pre-requisites**
BSB113 or UDB104

**Equivalents**
UDB202

**Credit Points**
12

**Campus**
null

This unit aims to prepare you to be part of a Modern Construction Business, integrating a range of legal, commercial, accounting and business concepts and practices within the specific context of construction. Topics you will cover include: commercial law; sale of goods; hire purchase; trade practices; negotiable instruments; insurance law; partnership law and company law; bankruptcy and liquidation; standard accounting practices; taxation; business protocol and ethics; business plans; entrepreneurship; assessing business risk; professional liability; human relations; human resource and personnel management; business management; debt management. This unit builds on knowledge developed in Introductory Economics and Law, and complements Statutory Construction Law.

UXB332 Cost Planning and Controls

**Pre-requisites**
UXB114 or UDB112

**Equivalents**
UDB316

**Credit Points**
12

**Campus**
null

Introduction to the fundamental principles of cost management (design and construction cost planning and cost controls) including the nature and purpose of cost planning and cost controls: Various approaches and formats to cost reporting, including contract costing (historical accounting) and anticipatory (forecast final cost / value); Design economics, cost and value concepts, methods of infrastructure design and cost information systems, cost modelling, cost analyses, cost indices, cost data, cost implications of design variables; Life cycle costing and modelling including; Value management, including energy efficiency in infrastructure, and value alignment process for project delivery; Asset management and infrastructure maintenance.

UXB332 Transport Planning

**Pre-requisites**
144 Credit Points in completed study

**Equivalents**
BE801

**Credit Points**
12

**Campus**
null

The purpose of this unit is to examine travel behaviour as both a catalyst for and a policy objective of urban and regional planning. Unit topics include an overview of issues and problems associated with travel behaviour; planning approaches to accommodating and/or managing demand and mode share; and research methods guiding policy related to travel behaviour.

UXB400 Research Project 1 - Part A

**Pre-requisites**
UXB400-1

**Equivalents**
BE801 when completed with UDB301 as a contiguous research project.

**Credit Points**
12

**Campus**
null

Research Project 1 - Part A and Research Project 1 Part B are the capstone research units for the Bachelor of Urban Development (Honours) degree that draw together the theory, practice and the urban development fundamental discipline knowledge that have been covered in the coursework studied in the previous six semesters of the program. Students are required to identify a research related issue or problem and apply their learning to carry out a comprehensive, independent research based project or study which is designed to extend and broaden their understanding of the chosen issue. The purpose of these units is to prepare students for their transition to the professional world. You will be expected to demonstrate leadership/initiative, ethical and professional behaviour in this unit and reviewing peers’ work.

UXB400 Research Project 1 - Part B

**Pre-requisites**
UXB400-1

**Equivalents**
BE801 when completed with UDB301 as a contiguous research project.

**Credit Points**
12

**Campus**
null

Research Project 1 - Part A and Research Project 1 Part B are the capstone research units for the Bachelor of Urban Development (Honours) degree that draw together the theory, practice and the urban development fundamental discipline knowledge that have been covered in the coursework studied in the previous six semesters of the program. Students are required to identify a research related issue or problem and apply their learning to carry out a comprehensive, independent research based project or study which is designed to extend and broaden their understanding of the chosen issue. The purpose of these units is to prepare students for their transition to the professional world. You will be expected to demonstrate leadership/initiative, ethical and professional behaviour in this unit and reviewing peers’ work.

UXB331 Environmental Analysis and Planning

**Pre-requisites**
((UXB230 or UDB265) and (UXB330 or UDB368) or (ENB274 or DLB600 or DAB525))

**Equivalents**
UDB370

**Credit Points**
12

**Campus**
null

This unit increases your understanding of environmental planning and planning issues, policies, and methods, aiming to prepare you for incorporation of environmental objectives and constraints in professional practice. In this unit you will engage in dialogues on contemporary environmental dilemmas, exploring ethical and practical aspects which underpin conflict. You will further refine skills acquired in site analysis units by learning to create and modify spatial models to facilitate collaborative problem-solving. These skills will aid in preparations for final year planning studio units as well as professional practice.
UXB410 Strategic Construction Management

Pre-requisites: UXB310 or UDB310
Equivalents: UDB410
Credit Points: 12
Campus: null

Strategic Construction Management is a capstone unit that brings together all the skills and knowledge you have acquired. It is the last of a series of construction units and consolidates skills learned throughout your degree. Construction Managers need to develop critical skills, knowledge, and capability to manage various tasks necessary to run a profitable construction business. This unit will prepare you for administrative and contractual interactions that occur between the contractors and sub-contractors during a project to efficiently and successfully operate a building company with a strategic focus on delivering multiple building projects on time, within budget, and of a high quality, while maintaining a safe work environment on site. It will teach key skills you will need to manage a project, business, and company, including effective resource management and the ability to model the performance of the company over prescribed business periods. The unit will cover the process of strategically managing a construction business, including bidding, estimating, human resource management, marketing, cost and financial management, and purchasing. The day-to-day processes of managing a business such as effective resource management on projects, structuring budget documents, managing sub-contractors, and dealing with clients and other stakeholders are studied on a concept.

UXB430 Planning Theory and Ethics

Pre-requisites: 192 Credit Points in completed study
Equivalents: UDB473
Credit Points: 12
Campus: null

This unit will introduce you to ethical and planning theory. Classical theories in ethics provide an essential foundation to planning practice. Planning theory offers an insight into different justifications of how and why we work as planners.

UXB431 Urban Planning Practice

Pre-requisites: UXB231 or UDB266
Equivalents: UDB471
Credit Points: 12
Campus: null

The unit consists of the preparation of a Local Area Planning Strategy, which includes identifying problems and potentials; developing appropriate policies, objectives, and options; and producing an indicative land use strategy to locate public and private investment and development; and identifying the necessary government, business and community actions required for coordinated implementation. The unit aims to impart and develop skills of planning appraisal, analysis and proposal preparation at the urban scale, using real world planning situations and problems. As an Urban and Regional Planner, you will need skills to understand, analyse and interpret urban planning issues. You will require the capacity to prepare integrated plans and strategies to solve problems and promote beneficial development. This involves consultation with local governments, communities and other stakeholders. This unit provides you with practical experience in developing and applying integrated local area planning skills.

UXB432 Community Planning

Pre-requisites: UXB231 or UDB266
Equivalents: UDB472
Credit Points: 12
Campus: null

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. They learn to recognize the impacts of social and physical change on communities at scales varying from the local to the global. Building on knowledge and skills acquired earlier in the course, they formulate policies and develop solutions involving community consultation and conflict resolution to link government policies to local action.

UXB433 Regional Planning

Pre-requisites: 192 Credit Points in completed study
Equivalents: UDB475
Credit Points: 12
Campus: null

You will learn to focus and apply material from a wide range of disciplines and locations to understand and develop current regional and metropolitan policy and apply the knowledge of policy formulation and skills of analysis and synthesis to real world problem-solving at a scale which is larger than a single local government.

XNB151 Food and Nutrition

Equivalents: PUB201
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit introduces the food and nutrition system and its role in health. It will cover food and its constituents, changing requirements throughout the lifecycle and the application of dietary assessment methodologies and food selection guides. Basic skills to search and appraise scientific literature are developed here to underpin more advanced studies in Nutrition Sciences. This unit is also of interest for students from a range of study area with an interest in nutrition.

XNB171 Fitness, Health and Wellness

Equivalents: HMB171
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

XNB172 Nutrition and Physical Activity

Equivalents: HMB172
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This unit introduces you to the role of appropriate nutrition and physical activity in the creation and maintenance of optimal health according to the national guidelines. The unit develops foundational knowledge established from evidence based practice. The focus is on the importance of a healthy lifestyle in multiple contexts and developing an appreciation of the complex factors which influence individual and population behaviours. The unit complements XNB151 Food and Nutrition. This unit develops the knowledge and skills required to underpin later units which address the role of nutrition and physical activity in the prevention and management of disease and enhancement of wellbeing. It is also relevant for students from a range of study areas where nutrition and physical activity are applicable.

XNB190 Design and Technology

Equivalents: PUB113
Credit Points: 12
Campus: null

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
XNB193 Advanced Home Economics Curriculum Studies
Pre-requisites: XNB192 or PUB643
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

XNB194 Textile Studies
Equivalents: PUB521
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

In this unit scientific understandings, production techniques and design skills related to textiles are explored. These are applied to written and practical individual textile projects.

XNB195 Hospitality Studies
Equivalents: PUB535
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

XNB196 Textiles 2
Pre-requisites: XNB194 or PUB5321
Equivalents: PUB5361
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This unit further develops your textile knowledge and skills as gained in Textile Studies, and adds to your understanding of the role, development and impacts of textiles in society. The unit focuses on applying your skills in group and individual work in a design studio environment.

XNB250 Food Science
Pre-requisites: XNB151 or PUB201 (This unit is available ONLY in courses where listed as a core unit)
Equivalents: PUB5474
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This unit includes lectures and laboratory based workshops covering the theory and practical application of food science. Food Science links to the work previously undertaken in XNB151 Food and Nutrition, and prepares you for units that require practical knowledge and skills in food and food preparation as part of interventions to prevent or manage food and nutrition-related issues. It also requires informed the development and delivery of educational sessions related to food or nutrition. Food Science is essential for preparing you to undertake placement based units in nutrition, dietetics.

XNB251 Nutrition Science
Pre-requisites: (LSB308 or LQB381) and (XNB151 or PUB201)
Co-requisites: LQB481 or PUB2045
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

Nutrition Science investigates the biochemistry and physiology of macro and micronutrients and their manipulation in the prevention and management of nutrition problems in individuals, groups and populations. It integrates nutrition knowledge with the science of biochemistry and physiology, and provides the foundation on which further studies of nutrition and dietetics can be built.
Units

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 enquirieshsms@qut.edu.au

XNB274 Functional Anatomy
Pre-requisites: LSB131 or LSB255
Equivalents: HMB274
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This unit includes the following: surface anatomy of the trunk and head, 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.

XNB275 Exercise and Sport Psychology
Pre-requisites: PYB100 or PYB012 or EDB002
Equivalents: HMB275
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

This unit introduces exercise and sport psychology. The primary focus of this unit is the understanding of psychological principles and issues related to participation and adherence in physical activity, exercise and sport.

XNB276 Research in Human Movement
Equivalents: HMB276
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This unit includes principles of research: purposes, philosophy, applications. It addresses quantitative research including basic statistics, descriptive, ANOVA, correlation, regression and non-parametric, 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.

XNB277 Exercise and Sport Nutrition
Pre-requisites: XNB172 or HMB172 or XNB151 or PUB201
Equivalents: HMB277
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This unit will provide you with concepts related to the relationship between nutrition and exercise/physical activity. It builds on introductory nutrition and physical activity and includes dietary and energy requirements in exercise and sport; the influence that nutrition has on performance; and the use of nutritional supplements and water and electrolyte balance in exercise and sport. It covers recommendations for individuals and more broadly for population groups.

XNB282 Resistance Training
Pre-requisites: LSB131
Equivalents: HMB282
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

XNB283 Wellness Processes and Strategies
Pre-requisites: XNB171 or HMB171
Equivalents: HMB338
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-2 (INT)

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.

XNB289 Health and Physical Education Curriculum Studies 1
Pre-requisites: (XNB171 or HMB171) and (XNB295 or HMB315)
Equivalents: HMB231
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

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.

XNB293 Understanding Physical Activity Participation
Equivalents: HMB313
Credit Points: 12
Campus: Kelvin Grove
Teaching Periods: 2014 SEM-1 (INT)

This unit is in the third year of your program and is...
XNB351 Medical Nutrition Therapy 1

Pre-requisites: XNB251 or PUB405 and XNB252 or PUB648 and LQB481 and LQB488

Equivalents: PUB541, PUB641

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

This unit develops your knowledge and skills in the application of the nutrition care process to the nutritional management of disease. The unit focuses on the application of critical thinking in the nutritional management of individual clients including assessment, diagnosis, practical food-based advice and evaluation. This unit is only for students undertaking studies in dietetics.

XNB352 Foodservice Management

Pre-requisites: XNB250 or PUB474

Equivalents: PUB506

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

This unit develops your knowledge and skills in the application of a systems approach to food and nutrition services. It introduces management and leadership principles and facilitates their application in a variety of settings. This unit develops your competencies in foodservice management which is essential as an accredited practising dietician.

XNB353 Dietetic Communication, Counselling and Practice

Pre-requisites: XNB351 or PUB641 and completion of 240cp including all core units

Co-requisites: XNB354

Equivalents: PUB645

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

This unit focuses on the development of client-centred dietetic counselling skills. It will introduce a variety of counselling approaches, including motivational interviewing and cognitive behavioural therapy, to assist in improving nutrition outcomes through negotiated evidenced based interventions. You will be given opportunities to gather and interpret data from a client and to provide a practical nutrition plan in socially and culturally sensitive ways. This unit is only for students undertaking studies in dietetics.

XNB354 Advanced Food Studies

Pre-requisites: XNB351 or PUB641 and XNB353

Equivalents: PUB628

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

This unit consolidates your knowledge and skills in the application of the nutrition care process to the nutritional management of disease focussing on more complex cases and/or co-morbidities. The application of critical thinking in the nutritional management of individual clients includes the assessment, diagnosis, practical food based advice and evaluation. This unit is only for students undertaking studies in dietetics.

XNB355 Nutrition Assessment

Pre-requisites: XNB151 or (XNB172 and XNB252)

Credit Points: 12

Campus: null

Teaching Periods: 2014 SEM-2 (INT)

This unit will develop your knowledge, skills and application for nutrition and diet-related data collection methods at the individual, group and population level. It will continue to develop your ability to write a systematic review by identifying, synthesising and applying evidence to practice problems across the continuum of care and to develop your clinical reasoning and advocacy skills to improve outcomes at an individual and population level.

XNB356 Nutrition Care Planning

Pre-requisites: XNB355

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

This unit develops your knowledge and skills in the application of nutrition care planning to the nutritional management of disease. It explores issues in public health nutrition and provides you with the necessary skills to undertake program planning and evaluation in the application of nutrition to communities and populations.

XNB370 Performance Analysis

Pre-requisites: (XNB271 or HMB271) and (XNB272 or HMB272) and (XNB273 or HMB273) and (XNB274 or HMB274)

Equivalents: HMB347

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

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.

XNB371 Motor Control and Learning 2

Pre-requisites: XNB271 or HMB271

Equivalents: HMB371

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-2 (INT)

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.

XNB372 Biomechanics 2

Pre-requisites: (XNB272 or HMB272) and (XNB274 or HMB274)

Equivalents: HMB377

Credit Points: 12

Campus: Kelvin Grove

Teaching Periods: 2014 SEM-1 (INT)

This unit includes the following: measurement techniques within biomechanics; analysis of force systems; photographic, goniometric and electromyographic 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.
This unit includes the following: physical development of the young athlete; physical maturation; benefits of participation in sport and physical activity; psychosocial issues; positive and negative effects of participation including competitive stress; injuries to the growing skeleton, and training, 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.

XNB380 Cardiorespiratory and Metabolic Disorders

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<th>Equivalents</th>
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<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
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<td>HMB373</td>
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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.

XNB382 Principles of Exercise Prescription

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<tr>
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<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
<td>12</td>
<td>HMB382</td>
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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.

XNB385 Principles of Exercise Programming

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<td>XNB382 or HMB382</td>
<td>XNB470</td>
<td>HMB385</td>
<td>12</td>
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This unit provides you 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 provides you with a structured exposure to exercise programming, covering major forms of exercise and activity modalities, the planning and logistics of exercise programs for the athletic and generally healthy population and the use of appropriate evidence in the design and implementation of programs.

XNB390 Teaching Primary HPE

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<tr>
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<tr>
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<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
<td>12</td>
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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.

XNB391 Health and Physical Education Curriculum Studies 2

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<tr>
<th>Pre-requisites</th>
<th>Campus</th>
<th>Teaching Periods</th>
<th>Credit Points</th>
<th>Equivalents</th>
</tr>
</thead>
<tbody>
<tr>
<td>XNB291 or HMB231 and (XNB331)</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
<td>12</td>
<td>null</td>
</tr>
</tbody>
</table>

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.

XNB395 Personal Health

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Campus</th>
<th>Teaching Periods</th>
<th>Credit Points</th>
<th>Equivalents</th>
</tr>
</thead>
<tbody>
<tr>
<td>XNB305</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT)</td>
<td>12</td>
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</tr>
</tbody>
</table>

Nutritional care of clients in clinical settings to a level which achieves a basic level of competence in nutrition therapy. Students have the opportunity to undertake a research project or literature review, under supervision of a qualified dietitian practitioner.

XNB397 Administration of School Sport and HPE

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Campus</th>
<th>Teaching Periods</th>
<th>Credit Points</th>
<th>Equivalents</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUB416 and (XNB353 or PUB645). XNB353 can be enrolled in the same teaching period as XNB450</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
<td>24</td>
<td>HMB337</td>
</tr>
</tbody>
</table>

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.

XNB450 Nutrition and Dietetic Project

<table>
<thead>
<tr>
<th>Pre-requisites</th>
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<th>Teaching Periods</th>
<th>Credit Points</th>
<th>Equivalents</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUB720</td>
<td>Kelvin Grove</td>
<td>2014 SEM-2 (INT)</td>
<td>24</td>
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</tbody>
</table>

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.

XNB451 Clinical Practice in Individual Dietetic Case Management

<table>
<thead>
<tr>
<th>Pre-requisites</th>
<th>Campus</th>
<th>Teaching Periods</th>
<th>Credit Points</th>
<th>Equivalents</th>
</tr>
</thead>
<tbody>
<tr>
<td>(XNB353 or PUB645) and (XNB351 or PUB641) and (XNB352 or PUB506)</td>
<td>Kelvin Grove</td>
<td>2014 SEM-1 (INT); 2014 SEM-2 (INT)</td>
<td>24</td>
<td>PUB723</td>
</tr>
</tbody>
</table>

Students require skills in the management of nutritional care of clients in clinical settings to a
standard that allows entry to the Dietetics profession. The application of evidence-based strategies using the framework of the nutrition care process (nutrition assessment, diagnosis, intervention, monitoring and evaluation) will support provision of high level nutrition care to clients representing a variety of disease states.

**XNB455 Dietetic Business Management**

- **Pre-requisites**: Completion of 288 credit points including (XNB353 or PUB645) and (XNB350 or PUB509)
- **Equivalents**: PUB730
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

In an increasingly competitive environment, entry level dietitians need knowledge of the true cost of a business and skills to plan, market and evaluate a business and service. This is in the final year of your course and builds on your understanding of management principles, and integrates with your professional practice placements in nutrition and dietetics.

**XNB456 Dietetic Leadership and Management**

- **Pre-requisites**: Completion of 288cp including (XNB353 or PUB645) and (XNB351 or PUB506)
- **Equivalents**: PUB606
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-2 (INT)

This is a capstone unit for nutrition and dietetics, and occurs in the final semester of the program. It converges the knowledge, skills and attributes you have developed over this course to enable you to be a reflexive nutrition and dietetics leader in increasingly complex environments.

**XNB457 Contemporary Issues in Nutrition and Dietetics**

- **Pre-requisites**: XNB353, XNB354, XNB451, XNB452, XNB454 and XNB456. XNB451, XNB452, XNB454 and XNB456 can be enrolled in the same teaching period as XNB457.
- **Anti-requisites**: HLB402
- **Credit Points**: 12
- **Campus**: null

This unit explores the evidence base for emerging areas of nutrition and dietetics. You will engage with researchers and experts to extend your skills in critical analysis of evidence and theoretical constructs in controversial areas relevant to practice now and in the future.

**XNB458 Practicum A**

- **Pre-requisites**: XNB382 or HMB482, and (XNB380 or HMB373) and (XNB382 or HMB382)
- **Credit Points**: 12
- **Campus**: Kelvin Grove
- **Teaching Periods**: 2014 SEM-1 (INT); 2014 SEM-2 (INT)

This practicum unit examines the assessment and programming of exercise and activity for individuals with cardiorespiratory and metabolic disorders. You will focus on the screening, assessment, prescription and evaluation of exercise and activity in the treatment and management of these disorders, including disease-specific considerations.
**XNB485 Practicum B**

**Pre-requisites**
(XNB470 or HMB470) and (XNB481 or HMB481) and (XNB482 or HMB482); XNB481 and XNB482 can be enrolled in the same teaching period as XNB485

**Equivalents**
HMB485

**Credit Points**
24

**Campus**
Kelvin Grove

**Teaching Periods**
2014 SEM-1 (INT); 2014 SEM-2 (INT)

This practicum unit examines the assessment and programming of exercise and activity for individuals with neurological disorders and musculoskeletal conditions. You will experience working with clients/patients utilising the skill sets of screening, assessment, prescription and evaluation of exercise and activity in the treatment and management of these conditions and disorders, including disease-specific considerations.

**XNB486 Practicum C**

**Pre-requisites**
(XNB470 or HMB470) and (XNB481 or HMB481) and (XNB482 or HMB482); XNB481 and XNB482 can be enrolled in the same teaching period as XNB486

**Equivalents**
HMB486

**Credit Points**
24

**Campus**
Kelvin Grove

**Teaching Periods**
2014 SEM-1 (INT); 2014 SEM-2 (INT)

This practicum unit will allow you to undertake a clinical or non-clinical placement depending on your interests and as negotiated with the Placement Coordinator.

**XNB491 Advanced Health and Physical Education Curriculum Studies**

**Pre-requisites**
XNB391 or HMB331

**Equivalents**
HMB431

**Credit Points**
12

**Campus**
Kelvin Grove

**Teaching Periods**
2014 SEM-1 (INT)

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.

**XNN001 Population Nutrition and Physical Activity Assessment**

**Equivalents**
PUN552

**Credit Points**
12

**Campus**
null

This unit focuses on the methods and special features of assessing and monitoring nutrition and physical activity in individuals, groups and whole populations.

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This information is correct as at 19/12/2014. For the most up-to-date course information, visit [http://www.student.qut.edu.au/study/units/](http://www.student.qut.edu.au/study/units/). CRICOS No. 00213J