Bachelor of Arts/Bachelor of Information Technology (IX49)

Year offered: 2011
Admissions: No
Course duration (full-time): 4 years
Domestic Fees (indicative): 2011: CSP $3,299 per semester (indicative)
QTAC code: This course is no longer offered
Past rank cut-off: 73
Past OP cut-off: 13
OP Guarantee: Yes
Assumed knowledge: English (4, SA), and for games technology and security majors, Maths B (4, SA), or for all other majors, Maths A, B or C (4, SA)
Preparatory studies: For information on acquiring assumed knowledge visit http://www.qut.edu.au/assumed-knowledge
Course coordinator: Contact Eve Teague (Arts) - Richard Thomas (Science and Technology)
Campus: Gardens Point and Kelvin Grove

COURSE OVERVIEW

YEAR 1 SEMESTER 1
INB103 Industry Insights
INB250 Foundations of Computer Science
BA Major unit
HHB116 Applied Skills And Scholarship

YEAR 1 SEMESTER 2
INB210 Databases
INB251 Networks
BA Major unit
BA Discipline unit or Elective unit

YEAR 2 SEMESTER 1
INB104 Building IT Systems
Choose one unit from: Intermediate Level Elective list. This choice will replace ITB008 from 2009 course summary.
BA Major unit
BA Discipline or Minor unit or Elective unit

YEAR 2 SEMESTER 2
INB270 Programming
INB271 The Web
BA Major unit
BA Major unit

YEAR 3 SEMESTER 1
IT Major Unit
IT Major Unit
BA Major unit
BA Discipline or Minor unit or Elective

YEAR 3 SEMESTER 2
INB301 The Business of IT
IT Major Unit
BA Major unit
BA Discipline or Minor unit or Elective

YEAR 4 SEMESTER 1
INB302 IT Capstone Project
IT Major Unit
BA Elective unit
BA Discipline or Minor unit or Elective

YEAR 4 SEMESTER 2
IT Major Unit
IT Major Unit
BA Elective unit
BA Discipline unit or Elective unit

Information Systems Major
Compulsory Units
INB311 Enterprise Systems
INB340 Database Design
INB220 Business Analysis

IS Elective Units
INB312 Enterprise Systems Applications
INB342 Enterprise Data Mining and Data Analysis
INB313 Electronic Commerce Site Development
INB322 Information Systems Consulting
INB320 Business Process Modelling
INB124 Information Systems Development
INB221 Technology Management

Network Systems Major
Compulsory Units
INB350 Internet Protocols and Services
INB351 Unix Network Administration
INB352 Network Planning
INB255 Security

Electives
INB312 Enterprise Systems Applications
INB365 Systems Programming
INB353 Wireless and Mobile Networks
INB355 Cryptology and Protocols

Software Architecture Major

Compulsory Units
INB340 Database Design
INB371 Data Structures and Algorithms
INB372 Agile Software Development

Electives
INB341 Software Development With Oracle
INB311 Enterprise Systems
INB312 Enterprise Systems Applications
INB272 Interaction Design
INB313 Electronic Commerce Site Development
INB322 Information Systems Consulting
INB320 Business Process Modelling
INB365 Systems Programming
INB370 Software Development
INB373 Web Application Development
INB374 Enterprise Software Architecture
INB381 Modelling and Animation Techniques
INB382 Real Time Rendering Techniques
MAB281 Mathematics for Computer Graphics

MAB281 is only to be used as a prereq for INB381

Society and Change Multidisciplinary Major

Society and Change
Seven (7) units are required for a Society and Change Major. These can include units completed in the Society and Change Major up to 2009 as well as any completed from the following list:

CLB107 The Classical World
CLB110 Environment and Society
CLB111 Environmental Hazards
JSB171 Justice and Society
KMB003 Sex Drugs Rock 'N' Roll
MDB454 Science, Technology and Society
PUB209 Health, Culture and Society
PYB067 Human Sexuality
SCB110 Science Concepts and Global Systems
SWB102 The Human Condition
SWB104 Interpersonal Communication
SWB212 Community Work
SWB214 Team Practice and Group Processes
SWB222 Advanced Communication for Human Services and Social Work
SWB223 People, Society and Social Work
SWB302 Social Policy Processes

Ethics and Human Rights Multidisciplinary Major

Ethics and Human Rights
Seven (7) units are required for an Ethics and Human Rights Major. These can include units completed in the Ethics and Human Rights Major up to 2009 as well as any completed from the following list.

JSB171 Justice and Society
JSB175 Social Ethics and the Justice System
LWS101 Ethics Law and Health Care
NSB113 Diversity and Health: Introduction to Indigenous and Multicultural Perspectives
PUB486 Ethics and the Law in Health Service Delivery
SWB105 Introduction to Human Rights and Ethics
SWB219 Ethical and Legal Dimensions of Human Services and Social Work

Community Studies Multidisciplinary Major

Community Studies
Seven (7) units are required for a Community Studies Major. These can include units completed in the Community Studies Major up to 2009 as well as any completed from the following list.

EDB040 Indigenous Knowledge: Research Ethics and Protocols
EDB041 Indigenous Australia: Country, Kin and Culture
SWB100 Introduction to Human Services and Social Work
SWB102 The Human Condition
SWB103 Contemporary Social and Community Issues
SWB104 Interpersonal Communication
SWB204 Child and Family Services: Introduction
SWB206 Disability Services: Introduction
SWB207 Services to Young People: Introduction
SWB212 Community Work
SWB214 Team Practice and Group Processes
SWB216 The Human Dimensions of Space
SWB219 Ethical and Legal Dimensions of Human Services and Social Work
SWB220 Practice Theories
SWB221 Social Work Processes and Methods
SWB222 Advanced Communication for Human Services and Social Work
SWB302 Social Policy Processes
SWB304 Child and Family Services: Advanced
SWB305 Community and Youth Corrections
SWB306 Disability Services: Advanced
SWB307 Services to Young People: Advanced
SWB308 Child Protection Intervention Skills

Australian Studies Multidisciplinary Major

Seven (7) units are required for an Australian Studies Major. These can include units completed in the Australian Studies Major up to 2009 as well as any completed from the following list.

CLB101 Australian Society and Culture
CLB102 Australian Historical Studies
CLB105 Australia and the South Pacific
CLB113 Australian Geographical Studies
EDB038 Indigenous Australian Culture Studies
EDB039 Indigenous Politics and Political Culture
EDB041 Indigenous Australia: Country, Kin and Culture

International and Global Studies Multidisciplinary Major

Seven (7) units are required for an International and Global Studies (IGS) Major. These can include units completed in the IGS Major up to 2009 as well as any completed from the following list.

BSB119 Global Business
CLB049 The Global Teacher
CLB104 Colonialism and Independence in Asia-Pacific
CLB105 Australia and the South Pacific
CLB106 Modern China
CLB108 Nations and Nationalism in Modern Europe
CLB109 World Regions
CLB112 South East Asia in Focus
MDB454 Science, Technology and Society
SCB110 Science Concepts and Global Systems

Students may select one Language unit to be counted as part of the IGS Major. Students may also undertake a Combined Major in Languages/International and Global Studies, comprising 3 IGS units plus 4 units in one chosen language. (Indonesian, Japanese, French, Mandarin, German).

Discipline Major - Geography and Environmental Studies

Six (6) units are required for a Geography and Environmental Studies Discipline Major. These can include units completed in the Geography and Environmental Studies Discipline Major up to 2009 as well as any completed from the following list.

CLB109 World Regions
CLB110 Environment and Society
CLB111 Environmental Hazards
CLB112 South East Asia in Focus
CLB113 Australian Geographical Studies
CLB114 Geography in the Field
SCB110 Science Concepts and Global Systems
UDB164 Population and Urban Studies
UDB281 Geographic Information Systems
UDB282 Remote Sensing

Discipline Major - History

Six (6) units are required for a History Discipline Major. These can include units completed in the History Discipline Major up to 2009 as well as any completed from the following list.
### CLB101 Australian Society and Culture
### CLB102 Australian Historical Studies
### CLB103 Interpreting the Past
### CLB104 Colonialism and Independence in Asia-Pacific
### CLB105 Australia and the South Pacific
### CLB106 Modern China
### CLB107 The Classical World
### CLB108 Nations and Nationalism in Modern Europe

#### Discipline Major - Languages

### LANGUAGES

Apart from Mandarin, all Languages are now offered via cross institutional study from the University of Queensland. For information on Language options contact QUT's Faculty of Business

#### Mandarin

The following units are taught at UQ. Six sequenced units are required for a Mandarin Discipline Major. These can include units completed in the Mandarin Discipline Major up to 2009 as well as those from the following list:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMB030</td>
<td>Mandarin for Chinese</td>
</tr>
<tr>
<td>AMB031</td>
<td>Mandarin 1</td>
</tr>
<tr>
<td>AMB032</td>
<td>Mandarin 2</td>
</tr>
<tr>
<td>AMB033</td>
<td>Mandarin 3</td>
</tr>
<tr>
<td>AMB034</td>
<td>Mandarin 4</td>
</tr>
<tr>
<td>AMB035</td>
<td>Mandarin 5</td>
</tr>
<tr>
<td>AMB036</td>
<td>Mandarin 6</td>
</tr>
<tr>
<td>AMB037</td>
<td>Mandarin 7</td>
</tr>
<tr>
<td>AMB038</td>
<td>Mandarin 8</td>
</tr>
</tbody>
</table>

#### Overseas Units - All Languages

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMB041</td>
<td>International Intensive Program</td>
</tr>
<tr>
<td>AMB042</td>
<td>International Summer School or Equivalent</td>
</tr>
<tr>
<td>AMB043</td>
<td>In-Country Study - A</td>
</tr>
<tr>
<td>AMB044</td>
<td>In-Country Study - B</td>
</tr>
</tbody>
</table>

#### French

The following units are taught at UQ. Six sequenced units are required for a French Discipline Major. These can include units completed in the French Discipline Major up to 2009 as well as those from the following list:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN102</td>
<td>French 2/Introductory French B</td>
</tr>
<tr>
<td>FREN201</td>
<td>French 3/Intermediate French A</td>
</tr>
<tr>
<td></td>
<td>OR</td>
</tr>
<tr>
<td>FREN311</td>
<td>French Language A</td>
</tr>
<tr>
<td>FREN202</td>
<td>French 4/Intermediate French B *</td>
</tr>
<tr>
<td></td>
<td>OR</td>
</tr>
<tr>
<td>FREN311</td>
<td>French Language B *</td>
</tr>
<tr>
<td>FREN312</td>
<td>French 5/French Language C</td>
</tr>
<tr>
<td>FREN311</td>
<td>French 6/French Language D</td>
</tr>
<tr>
<td>FREN311</td>
<td>French 7/Advanced French Language **</td>
</tr>
<tr>
<td></td>
<td>OR</td>
</tr>
<tr>
<td>FREN333</td>
<td>French for Business</td>
</tr>
<tr>
<td></td>
<td>OR</td>
</tr>
<tr>
<td>FREN336</td>
<td>Le cinema en Francais</td>
</tr>
<tr>
<td>FREN312</td>
<td>French 8/Advanced Oral French</td>
</tr>
<tr>
<td></td>
<td>OR</td>
</tr>
<tr>
<td>FREN321</td>
<td>Litterature et modernite</td>
</tr>
<tr>
<td></td>
<td>OR</td>
</tr>
<tr>
<td>FREN331</td>
<td>Introduction to French &gt; English Translation</td>
</tr>
<tr>
<td></td>
<td>OR</td>
</tr>
<tr>
<td>FREN335</td>
<td>Litterature Contemporaine</td>
</tr>
</tbody>
</table>

* FREN2010 is third semester French for students who have done HHB061 and HHB062 (semester 1 and 2 beginner French).
* FREN3112 is first semester French for students who have successfully completed Year 12 in the last three years

** Students who have already completed HHB066 French 6 at QUT should not enrol in FREN3116.

#### German

The following units are taught at UQ. Six sequenced units are required for a German Discipline Major. These can include units completed in the German Discipline Major up to 2009 as well as those from the following list:
Japanese

The following units are taught at UQ. Six sequenced units are required for a Japanese Discipline Major. These can include units completed in the Japanese Discipline Major up to 2009 as well as those from the following list:

- JAPN1011 Japanese 1/Introductory Japanese 1
- JAPN2101 Japanese 3/Intermediate Japanese 1
- JAPN3101 Japanese 5/Continuing Japanese 3
- JAPN3102 Japanese 6/Continuing Japanese 4
- JAPN3200 Japanese 7/Multimedia Japanese
  OR
- JAPN3240 Modern Literary Texts
  OR
- JAPN3210 Polite Japanese Written & Spoken Styles
- JAPN3500 Japanese 8/Language and Society in Japan

Indonesian

The following units are taught at UQ. Six sequenced units are required for a Indonesian Discipline Major. These can include units completed in the Indonesian Discipline Major up to 2009 as well as those from the following list:

- INDN1000 Indonesian 1/Introductory Indonesian A
- INDN1001 Indonesian 2/Introductory Indonesian B
- INDN2000 Indonesian 3/Intermediate Indonesian A
- INDN2001 Indonesian 4/Intermediate Indonesian B
- INDN3000 Indonesian 5/Advanced Indonesian A
- INDN3001 Indonesian 6/Advanced Indonesian B
- INDN3003 Indonesian 7/Indonesian Through the Media
- INDN3005 Indonesian 8/Indonesian Translation B

Discipline Major - Social Science

SOCIAL SCIENCE

Six (6) units are required for a Social Science Discipline Major which comprises Sociology units and Political Studies units. These can include units completed in the Social Science Discipline Major up to 2009 as well as any completed from the following list.

Sociology

- CLB403 Gender And Sexuality Issues For Teachers
- JSB272 Theories of Crime
- JSB372 Youth Justice
- JSB378 Drugs and Crime
- JSB971 Gender Crime and the Criminal Justice System
- KMB003 Sex Drugs Rock 'N' Roll
- MDB454 Science, Technology and Society
- PYB067 Human Sexuality
- PUB209 Health, Culture and Society
- SWB216 The Human Dimensions of Space

Political Studies

- EDB039 Indigenous Politics and Political Culture
- JSB271 Policy Governance and Justice
- KCB302 Political Communication
- SWB218 Social Change, Politics, Policy and Activism
- SWB302 Social Policy Processes

Potential Careers:
Community Worker, Diplomat, Government Officer, Higher Education Worker, Information Officer, Policy Officer, Public Servant.

UNIT SYNOPSES

AMBO30 MANDARIN FOR CHINESE

In this unit students will receive instructions in listening and speaking Putonghua, reading and writing Pinyin Romanisation and reading and writing simplified characters. They learn differences in structure and nuance between their native dialect and Putonghua.

Antirequisites: HHB050 and HUB450    Equivalents:
HHB030 Credit points: 12    Campus: Gardens Point
AMB031 MANDARIN 1
This unit introduces students who have little or no prior knowledge of Chinese Mandarin to the four macro skills of listening, speaking, reading and writing through an integrated communicative approach to teaching. Content will include: the Mandarin sound and tonal systems; the Pinyin Romanisation system; introduction to Chinese character writing, greetings and introductions; family, identification of nationalities, places and objects, locations and directions.
Prerequisites: AMB037    Credit points: 12 
Published on : 13 June 2012
Page 6/20

AMB032 MANDARIN 2
This subject continues to develop the four macro skills of listening, speaking, reading and writing through an integrated communicative approach. While there is further consolidation of the knowledge of the Pinyin Romanisation system, greater attention is given to the reading and writing of characters. With acquisition of language, students receive further exposure to aspects and characteristics of Chinese culture.
Prerequisites: AMB031 or HHB031 or HUB453 or HHB051 
Antirequisites: HhB052, HUB454 
Equivalents: HHB032 
Credit points: 12 
Campus: Gardens Point 
Teaching period: 2011 SEM-2

AMB033 MANDARIN 3
This unit is designed to meet student needs to further develop their basic knowledge and skills for understanding, speaking, reading and writing Mandarin Chinese in a wide range of everyday situations. Eligible students are those who have: successfully completed introductory Mandarin units HHB031/AMB031 and HHB032/AMB032 at QUT; or successfully completed equivalent Mandarin study elsewhere. Graduates from high schools who have completed Year 12 Mandarin should also enrol in this unit. (Students who have undergone primary and secondary education in China and Taiwan are not eligible for this unit. Students who cannot speak Mandarin Chinese but can read and write Chinese script are not eligible either. They should enrol in AMB030 Mandarin for Chinese.)
Prerequisites: AMB032 or HHB032 
Equivalents: HHB033 
Credit points: 12 
Campus: Gardens Point 
Teaching period: 2011 SEM-1

AMB034 MANDARIN 4
This unit follows on from AMB033. Students further develop their knowledge and skills needed to understand, speak, read and write Mandarin Chinese in a wide range of everyday situations and to give presentations on given topics. Resources include textbook, workbook, CDs, DVDs and online multimedia materials. Students learn about 400 Chinese characters and have further exposure to various aspects of Chinese society and culture.
Prerequisites: AMB033 or HHB033 
Equivalents: HHB034 
Credit points: 12 
Campus: Gardens Point 
Teaching period: 2011 SEM-2

AMB035 MANDARIN 5
This unit develops students' communication skills in using Mandarin Chinese at the intermediate level. It provides students with opportunities to further practise and consolidate what they have learned in the previous units, and at the same time it expands students’ knowledge and skills by engaging them in learning new contents and in participating in various types of communicative tasks. Students are exposed to a wide range of topics of interest to them about Chinese society and culture. Resources include textbook, workbook, CDs, DVDs and online multimedia programs.
Prerequisites: AMB034 or HHB034 
Credit points: 12

AMB036 MANDARIN 6
This subject continues on from the first semester. It provides Mandarin language instruction and interaction at the intermediate level. It allows students to discuss various aspects of Chinese society and culture in relation to the society and culture they come from and familiar with. Resources include textbook, workbook, CDs, DVDs and online multimedia programs.
Prerequisites: AMB035 
Credit points: 12

AMB037 MANDARIN 7
This unit primarily builds on the language skills students have acquired at the intermediate level. It provides further language instruction and interaction for those students who want to develop their communication skills even further in Mandarin Chinese to an advanced level. Apart from set materials, students are also encouraged to make full use of online resources and current computer technology to research on topics of their interest about Chinese language, society and culture. In accordance with student makeup, business Chinese may be included.
Prerequisites: AMB036 
Credit points: 12

AMB038 MANDARIN 8
This unit follows on from the first semester. It provides further language instruction and interaction for those students who want to proceed to an advanced proficiency level in Mandarin Chinese. Apart from set materials, students are also encouraged to make full use of online resources and current computer technology to research on topics of their interest about Chinese language, culture and society. In accordance with student makeup, business Chinese may be included.
Prerequisites: AMB037 
Credit points: 12
AMB041 INTERNATIONAL INTENSIVE PROGRAM  
Equivalents: HHB056  Credit points: 12  Campus: Gardens Point

AMB042 INTERNATIONAL SUMMER SCHOOL OR EQUIVALENT  
Equivalents: HHB057  Credit points: 12  Campus: Gardens Point  Teaching period: 2011 SEM-1

AMB043 IN-COUNTRY STUDY - A  
This unit involves an approved course of study at a designated foreign institution for one semester.  
Equivalents: HHB058  Other requisites: Subject to Unit Coordinator approval. Students are required to have completed (AMB031 or HBB031) and (AMB032 or HBB031), GPA of 4.5 or above and completion of 96 credit points of approved study.  
Credit points: 48  Campus: Gardens Point  Teaching period: 2011 SEM-1

AMB044 IN-COUNTRY STUDY - B  
This unit involves an approved course of study at a designated foreign institution for one semester.  
Prerequisites: AMB043  Equivalents: HBB059  Credit points: 48  Campus: Gardens Point

BSB119 GLOBAL BUSINESS  
This unit examines the drivers of globalisation and the diversity of country markets at an introductory level. It develops the skills and understanding to identify and respond to the opportunities, challenges and risks of conducting business across politically, economically and culturally diverse environments. An authentic country feasibility study is undertaken to help identify where a firm can find opportunities both in terms of actual and potential markets and the location for value-adding activities. The unit aims for students to have developed a comprehension of the nature and role of globalisation and the drivers of international business, a knowledge of the competitive forces and challenges confronting all business as a consequence of globalisation processes and an awareness of the additional knowledge and skills required of management to operate business internationally across a diversity of environments.  
Antirequisites: BSB116, BSB112, BSD119  Equivalents: BSB119, CTB119  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point and Caboolture  Teaching period: 2011 SEM-1, 2011 SEM-2 and 2011 SUM

CLB049 THE GLOBAL TEACHER  
This unit enhances the skills of educators to design curriculum and pedagogy in ways that address global citizenship and educational and human rights.  
Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-1

CLB101 AUSTRALIAN SOCIETY AND CULTURE  
This unit is designed to provide overseas and Australian students with an understanding of Australian culture and values. It offers insights and understandings about issues that divide Australians as well as events and circumstances that unite the nation.  
Equivalents: HBB106, HBB108  Credit points: 12  Campus: Gardens Point  Teaching period: 2011 SEM-1 and 2011 SEM-2

CLB102 AUSTRALIAN HISTORICAL STUDIES  
There are now competing ideologies and contexts shaping, dominating and influencing the way we think historically about Australia. This unit presents a past in Australia that is constructed, invented, contested and open to interpretation.  
Equivalents: HBB109, HBB252  Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-2

CLB103 INTERPRETING THE PAST  
For the purposes of this unit, 'history' will be taken to mean a set of practices developed by professional historians to produce knowledge about the past. The study of these practices promotes understandings of how historians set about their work, the rules that govern their methods, the reliability of historical knowledge and the value of history socially and culturally.  
Equivalents: HBB121  Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-1

CLB104 COLONIALISM AND INDEPENDENCE IN ASIA-PACIFIC  
This unit provides a general introduction to the history, geography and cultures of the Asia-Pacific region. It traces the rise and decline of colonial empires, the growth of nationalism in East Asia, Southeast Asia and the Pacific and the dynamic policies of the Asia-Pacific and their search for identity, independence, growth and stability.  
Equivalents: HBB122  Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-2

CLB105 AUSTRALIA AND THE SOUTH PACIFIC  
This unit is based on a critical study of the evolving relationship between Australia and the Pacific Islands. The key issue in this unit is: does Australia have a Pacific history?  
Equivalents: HBB242, HBB243  Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-1
CLB106 MODERN CHINA
The unit provides students with the knowledge of how China, formerly a Dynastic Empire, was disempowered by Western Imperialism, only to obtain independence through the governmental embrace of Communism. The role of powerful individuals in determining China's destiny, and an understanding of how the country's fortunes changed over time are additional features of the content.
Equivalents: HHB246  Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-1

CLB107 THE CLASSICAL WORLD
The aim of this unit is to endeavour to explain/understand particular societies and their transition in the Classical World, by focusing attention on selected periods, aspects and individuals pertaining to ancient Greece and Rome.
Equivalents: HHB257  Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-2

CLB108 NATIONS AND NATIONALISM IN MODERN EUROPE
This unit will develop an understanding of matters pertinent to the evolution of nationalism in Europe in the modern era. This will include the influence of social movements and cultural and economic issues.
Equivalents: HHB260  Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-2

CLB109 WORLD REGIONS
This unit offers an introductory geographical overview of global regions. This is an excellent basis from which to develop an understanding of complex interrelationships between regions and nations. The integrated knowledge gained is of current and practical value to professionals in many fields requiring a knowledge of international affairs including teachers, planners, journalists, business managers and travellers and people in general.
Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-1

CLB110 ENVIRONMENT AND SOCIETY
People and nature interact to create distinctive and dynamic places and landscapes. Applied geography, with its integrating perspective and skills-base, helps us to understand this. The discipline hence addresses some of our most pressing social and environmental problems. Geography objectively views human activities, natural systems and their inter-relationships in terms of consequent spatial patterns and impacts on landscapes, regions and places.
Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-1

CLB111 ENVIRONMENTAL HAZARDS
This unit takes a geographical perspective to investigate the characteristics and distribution of environmental hazards, patterns of risk and vulnerability, and how people perceive, manage and adjust to hazardous environments.
Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-2

CLB112 SOUTH EAST ASIA IN FOCUS
Australia's interaction with Southeast Asia, including our most populous nearest neighbour, Indonesia, continues to increase in significance. This unit examines aspects of Southeast Asian geography, environment, society and culture, in a contemporary framework.
Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-1

CLB113 AUSTRALIAN GEOGRAPHICAL STUDIES
Australia faces challenging problems and changes in relation to its changing population, socio-economic development and environmental sustainability. Many of these problems, relating to land-use and settlement patterns, migration trends, resource and hazard distribution, regional socio-economic structure, remoteness and accessibility etc, have a geographical basis. The aim is to describe and analyse, Australia's natural and social landscapes, their interaction, and the changes occurring in them from a geographical perspective
Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-1

CLB114 GEOGRAPHY IN THE FIELD
The unit builds upon the geography program to develop advanced understanding of social science research approaches and information capture/analysis. This provides a foundation in research and project design, relevant to a wide range of professions. You will develop skills in the preparation of project grant applications and in presenting a research plan orally.
Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-2

CLB403 GENDER AND SEXUALITY ISSUES FOR TEACHERS
This unit addresses the following topics: gender and sexualities in cultural and school contexts; historical overview of gender relations; theoretical frameworks for gender and current debates in Australia about gender and equity; femininity and masculinity as social constructs; sexuality and the body; violence and gender; debates about boys' behaviour and performance in Australian schools.
Credit points: 12  Contact hours: 3 per week  Campus: Internet, Kelvin Grove and External  Teaching period:
2011 SEM-2

EDB038 INDIGENOUS AUSTRALIAN CULTURE STUDIES
This unit encourages an appreciation of the two distinct indigenous cultures of Australia and how external forces to Aboriginal and Torres Strait Islander cultures caused social, economic and political changes. It looks at traditional family life and organisation.
Credit points: 12    Campus: Kelvin Grove    Teaching period: 2011 SEM-1

EDB039 INDIGENOUS POLITICS AND POLITICAL CULTURE
This unit examines issues and influences underlying the world of indigenous politics: political representation; land rights; health; education; community development; criminal justice; culture and heritage. This unit has an Australian focus with New Zealand and North American comparisons.
Credit points: 12    Campus: Kelvin Grove    Teaching period: 2011 SEM-2

EDB040 INDIGENOUS KNOWLEDGE: RESEARCH ETHICS AND PROTOCOLS
This unit provides students with a critical examination of the major ethical and moral issues arising from the designing and conducting of research 'on/in' Australian Indigenous people/communities or issues. The unit examines the calls by Indigenous researchers for the decolonising of research methods - a process which critically examines the historical and philosophical bases of Western research and the frustrations of Indigenous researchers with various Western paradigms, academic traditions and methodologies.
Credit points: 12    Campus: Kelvin Grove    Teaching period: 2011 SEM-1 and 2011 SEM-2

EDB041 INDIGENOUS AUSTRALIA: COUNTRY, KIN AND CULTURE
This unit aims to expand understanding of issues of importance to Indigenous people and to relate these 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.

HNB116 APPLIED SKILLS AND SCHOLARSHIP
This unit aims to introduce students to key aspects of important generic attributes which QUT graduates are expected to acquire across the period of their studies. The unit covers a range of topics relating to information literacy, academic literacy, and technological literacy. These topics are addressed in a practical way so that students will easily be able to apply the skills learned across other units in their course. Students have the opportunity to develop their skills through a series of activities such as self-paced online interactive exercises, quizzes, links and information. A variety of assessment items are spread across the semester.
Credit points: 12    Contact hours: 3 per week    Campus: Kelvin Grove    Teaching period: 2009 SEM-1 and 2009 SEM-2    Incompatible with: HUB000

INB103 INDUSTRY INSIGHTS
This unit aims to develop your awareness of the career possibilities in the ICT industry and to equip you with some of the essential skills required of an ICT professional. The unit helps you to derive a roadmap for your career; to enable you to identify the qualities, skills and interests you need to possess, to plan your career path. The unit will also introduce you the inter-disciplinary nature of ICT careers.
Equivalents: ITB002    Credit points: 12    Contact hours: 3 per week    Campus: Gardens Point    Teaching period: 2011 SEM-1 and 2011 SEM-2

INB104 BUILDING IT SYSTEMS
Today's modern integrated technology is built on IT systems which run in a range of contexts (e.g. mobile computing, robotics, and web-based systems) using a range of technological solutions such as programming and scripting, databases, web development and network programming. This unit is an integrated introduction to information technology designed to engage, inspire and inform and will demonstrate the important role that technical system design and development plays in achieving robust operation of a large variety of technological solutions. This unit will give you substantial hands-on, practical learning experiences and will motivate you through engagement in the creative, explorative and meaningful development of technological artefacts that operate in real world contexts.
Equivalents: ITB001    Credit points: 12    Contact hours: 3 per week    Campus: Gardens Point    Teaching period: 2011 SEM-1 and 2011 SEM-2

INB124 INFORMATION SYSTEMS DEVELOPMENT
IT professionals work with a wide variety of information systems and are increasingly required to interact with other professionals and understand business domains. In many cases it is necessary to develop custom systems to satisfy business requirements. Problem solving and communication skills and an understanding of programming concepts and logic are required to effectively work with information systems developers. In this dynamic industry, self-managed learning is necessary to remain abreast of technology innovations.
Credit points: 12    Contact hours: 3 per week    Campus:
INB210 DATABASES

Databases and database systems are essential items that support many aspects of everyday life in modern society. All graduates from a course in Information Technology will be expected by employers to understand the concepts and terminology of databases. The aim of this unit is to introduce you to the structure and role of databases in modern organisations.

Assumed knowledge: Basic familiarity with set theory (Venn diagrams and set operators), elementary algebra (polynomial and summation expressions, exponents and logarithms, etc) and simple probability concepts (permutations and combinations). Credit points: 12

Antirequisites: INN210 Equivalents: ITB004 Credit points: 12 Contact hours: 3 per week Campus: Gardens Point Teaching period: 2011 SEM-2

INB220 BUSINESS ANALYSIS

This unit is aimed to give you an introduction to the role, knowledge, and skills required of a business analyst. This unit focuses on both the trades—tools and methods used by a business analyst, as well as the soft skills—creativity and communication, both of which are critical to successful business and requirements analysis. Through lectures, cases studies and role playing activities, you will develop basic knowledge and skills required for introductory business analysis (BA).

Antirequisites: INN220 Credit points: 12 Contact hours: 3 per week Campus: Gardens Point Teaching period: 2011 SEM-1

INB221 TECHNOLOGY MANAGEMENT

This unit presents operational, tactical and strategic insights that support the activities central to the leadership and management of technology. These insights include project management, organisational leadership, outsourcing, planning, governance and millennium technologies. Such insights are used to inform decision-making - the core skill of any manager. Technology managers must understand the factors influencing any decision point. This unit equips students for the challenges of management and to contribute to the decision-making faced by managers and the staff who advise on these issues.

Prerequisites: INB103 or ITB002 or INB120 or ITB360 Antirequisites: ITN241, ITN251 and ITN366 Equivalents: ITB366, ITB241 Credit points: 12 Contact hours: 3 per week Campus: Gardens Point Teaching period: 2011 SEM-1

INB250 FOUNDATIONS OF COMPUTER SCIENCE

Contemporary computer-based systems are built from a wide range of technologies working at different levels of abstraction, from microprocessor hardware, to operating system and application software, to entire communications networks. At each abstraction level different techniques are needed to understand emergent properties of the system. This unit introduces some of the foundational principles commonly used to reason about the behaviour of computer-dependent systems at different levels of abstraction. Most of the techniques are derived from the field of Discrete Mathematics and are the foundation of the discipline called Computer Science.

Published on : 13 June 2012
Page 10/20
programming and scripting languages.

Prerequisites: INB104 or ENB246  Antirequisites: INN270  Equivalents: ITB003  Credit points: 12
Contact hours: 3 per week  Campus: Gardens Point  
Teaching period: 2011 SEM-1 and 2011 SEM-2

INB271 THE WEB
The aims of the unit are to give you a thorough understanding of what the web is, how it works and what it has to offer. Additionally, the unit aims to give you a general understanding and basic skills in developing dynamic web applications, including an appreciation of the variety of implementation technologies available. Through an understanding of how web technologies have evolved to date, you will appreciate the necessity for lifelong learning and become an insightful predictor of future developments in this area. You will learn to critically analyse technological alternatives in order to adapt to and innovate with technologies that presently do not exist. You will appreciate the business or organizational context within which web applications exist and be skilled in communicating within that environment. You will appreciate the social and ethical issues relating to web based systems including accessibility, globalization, privacy, and piracy.

Prerequisites: INB104  Antirequisites: INB373 and INN373 and ITB007 and ITB227 and ITN007 and ITN227
Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  
Teaching period: 2011 SEM-1

INB272 INTERACTION DESIGN
The aim of this unit is to provide you with an understanding of the theory, practices and challenges associated with the development of creative interactive design and human computer interaction.

Prerequisites: INB103 or INB181  Equivalents: ITB254
Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  
Teaching period: 2011 SEM-2

INB301 THE BUSINESS OF IT
As an IT professional you are more and more evaluated in terms of the business value that you produce. This unit will prepare you for professional practice by making you "business savvy," i.e. giving you the business knowledge and skills that will help you with your future career and job. In particular the unit will address three themes: (1) career planning and job applications, (2) entrepreneurship & innovation, and (3) business and IT strategy. You will be introduced to career development tools that enable you to self-manage your career and life. You will learn how to critically think about the requirements of a job and reflect upon your own experiences and learn how to communicate them. You will also learn about the entrepreneurial process of identifying a business opportunity and how to take advantage of that opportunity. In addition, you will gain an understanding of core strategic concepts and models, discuss typical strategy tools and then apply them to the 'Business of IT'.

Antirequisites: ITB009  Assumed knowledge: Completion of 120 credit points within BIT is assumed
Credit points: 12  Contact hours: 4 per week  Campus: Gardens Point  
Teaching period: 2011 SEM-1 and 2011 SEM-2

INB302 IT CAPSTONE PROJECT
Students are to work together in a team of 4-5 on a project that addresses one of the following three types of problems: real business problems, real market needs, real research problems. This unit extends students' development of the professional, technical and teamwork skills required by IT professionals in practice. Students will extend their knowledge and skills in the areas of IT project management through completing professional project documentation and managing the team project. Students will also gain a greater understanding and skill level in analysis and design, and their significance in delivering successful business or research outcome. The unit also focuses on furthering students' professional skills in report writing, oral communication, and visual communication.

Prerequisites: INB301  Assumed knowledge: Students are expected to have a solid IT background knowledge (e.g., completion of at least 192 credit points)
Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  
Teaching period: 2011 SEM-2 and 2011 SUM

INB311 ENTERPRISE SYSTEMS
The unit presents and discusses the Enterprise Systems Lifecycle model, orienting students to the requirements of addressing total cost of ownership, change management requirements and process modelling requirements in order to achieve business benefits. Concepts of Enterprise Systems success and associated enablers and barriers are also introduced. This unit introduces the technical architecture of complex 3-tiered client server environments. It seeks to show how an integrated complex database environment meets common business needs, and yet fails to meet the total Information Systems requirements.

Antirequisites: INN311  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  
Teaching period: 2011 SEM-2

INB312 ENTERPRISE SYSTEMS APPLICATIONS
The aim of this unit is to introduce one of the more complex and comprehensive Enterprise Systems applications. This unit introduces the business perspective and application processes of modules (such as FI, CO, PP, MM and S&D)
and investigates the support provided by these systems and the integration between modules by following some of the major processes in a business. The unit enables you to experience both the business analyst view and the user's view of the system across a number of business processes.

Antirequisites: ITB233, INN312  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2011 SEM-2

INB313 ELECTRONIC COMMERCE SITE DEVELOPMENT
This unit will enable you to specify, design, implement and maintain effective e-commerce applications. You will obtain a broad understanding of the potential of e-commerce and how it can be employed to benefit an organisation. You will get direct experience of creating an e-commerce storefront following a business to business (B to B) or business to consumer (B to C) model. You will also have an understanding of the computer systems that underpin e-commerce including payment systems and secure transactions.

Equivalents: ITB260  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2011 SEM-2

INB320 BUSINESS PROCESS MODELLING
The aim of this unit is to introduce you to modern methodologies of business process modelling. A main objective is to increase your awareness of the conceptual foundation of modelling and for the capabilities of BPMN and available tools. You will learn how to use grammars and tools to build, maintain and communicate practically relevant process models.

Equivalents: ITB298  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2011 SEM-2

INB322 INFORMATION SYSTEMS CONSULTING
The aim of the unit is to develop your skills in the consulting engagement process. This unit will give you an appreciation of the management of consulting practices and an understanding of the consulting sector generally. This unit presents the tactical and strategic issues involved in management consulting, and in particular: client engagement. In the unit there is an emphasis on Information Systems (IS) related work. IS constitutes a substantial portion of consulting activity and cuts across all areas of business expertise. The unit examines the dynamics of IS consulting within the context of large consulting firms and familiarises students with the consulting engagement lifecycle.

Antirequisites: ITB264, ITN264  Assumed knowledge: Completion of 96 credit points of an Undergraduate study is assumed knowledge  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2011 SEM-1

INB340 DATABASE DESIGN
The aim of this unit is to help you develop your knowledge, understand a formal specification tool (ORM) for modelling information systems unambiguously and to apply this formal technique to conceptualise information systems found in many real world application domains.

Prerequisites: INB210 or ITB004  Antirequisites: ITB229  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2011 SEM-1

INB341 SOFTWARE DEVELOPMENT WITH ORACLE
This unit aims to develop a sound understanding of database creation, installation, administration, management, security, back up/recovery and application development. The unit aims to develop practical skills in each of these elements, using appropriate Oracle software.

It is expected that students undertaking this unit will have prior knowledge of relational database terminology and concepts, be thoroughly able to develop SQL for querying, updating and creating tables, and have a sound knowledge of database design.

Prerequisites: INB210 or ITB004 or INB122  Equivalent: ITB223  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2011 SEM-2

INB342 ENTERPRISE DATA MINING AND DATA ANALYSIS
This unit will provide a comprehensive theoretical coverage of various topics in data and web mining. In addition there will be a significant practical component using hands on tools to solve real-world problems. Specifically, we will consider techniques from machine learning, data mining, text mining, and information retrieval to extract useful knowledge from data which are used for business intelligence, document databases, site management, personalization, and user profiling. This unit will first cover a detailed overview of the mining process and techniques, and then concentrate on applications of these techniques to web, e-commerce, document databases and data from advanced applications.

Prerequisites: INB122 or INB210 or INB340 or AYB114  Antirequisites: INN342  Equivalent: ITB239  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2011 SEM-2
INB350 INTERNET PROTOCOLS AND SERVICES
An understanding of the theoretical and practical concepts of network protocols and services is highly useful and relevant to network engineers and others working in the Information Processing industries. This unit introduces you to Internet protocols and the design, implementation and operation of network based applications. Theory and practical skills taught in this unit will be useful if you intend undertaking further networking units.

Prerequisites: INB251 or ITB006 or ITB510
Antirequisites: ITB624, ITB629, ITB720, ITN525, ITN667, ITN720
Credit points: 12  Contact hours: 3 per week  
Campus: Gardens Point  Teaching period: 2011 SEM-1

INB351 UNIX NETWORK ADMINISTRATION
The aim of this unit is to provide students with a working knowledge of the technical aspects and theory of network administration and management. The unit uses the Unix environment as the learning platform for attaining technical skills and for the development of problem solving skills necessary to be a successful networking professional.

Prerequisites: INB350  Equivalents: ITB721, ITB625, ITB535, ITB25 Credit points: 12  Contact hours: 3 per week  
Campus: Gardens Point  Teaching period: 2011 SEM-2

INB352 NETWORK PLANNING
The unit draws together subject matter from a number of different networking-related areas. The aim of the unit is to assemble the previously acquired knowledge and techniques and apply it in a cohesive fashion to the task of network planning.

Prerequisites: INB350  Antirequisites: ITB551, ITB628, ITB722, INN352, ITN551, ITN722, ENN523
Credit points: 12  Contact hours: 3 per week  
Campus: Gardens Point  Teaching period: 2011 SEM-2

INB353 WIRELESS AND MOBILE NETWORKS
This unit provides you with the skills to be able to design and understand the issues involved with different types of wireless communications systems. It develops your knowledge of Wide Area Networks (WANs), Local Area Networks (LANs) and Personal Area Networks (PANs) as well as skills in programming for mobile handsets. You will also develop knowledge of the different types of wireless communications technologies available and when each is most applicable in a particular situation.

Prerequisites: INB251 or ITB006  Antirequisites: ITN723
Assumed knowledge: Networks or equivalent networking

INB355 CRYPTOLOGY AND PROTOCOLS
Cryptographic techniques are widely used to implement computer and network security. As an IT security professional you may be required either to evaluate or implement information systems using cryptographic algorithms and protocols. This elective unit covers the main cryptographic technical concepts including encryption, digital signatures and cryptographic protocols.

Antirequisites: ITB646, ITB548, ITB566  Assumed knowledge: Maths B or equivalent is assumed knowledge.
Equivalents: ITB732  Credit points: 12  Contact hours: 3 per week  
Campus: Gardens Point  Teaching period: 2011 SEM-1

INB365 SYSTEMS PROGRAMMING
Systems programming is an essential part of any computer-science education. This unit uses operating system concepts to teach the foundations of systems programming and advanced concepts for producing softwares that provide services to computer hardware. Through this study, you will be able to demonstrate knowledge of the principles and techniques of process management, memory and file management, protection & security, and distributed systems.

Prerequisites: INB270 or ITB003 or INB371  Antirequisites: ITB745, ITB706, INN365
Assumed knowledge: Fundamentals of computer architecture; high level programming languages (such as C, C++, Java or Python) is assumed knowledge.
Credit points: 12  Contact hours: 3 per week  
Campus: Gardens Point  Teaching period: 2011 SEM-2

INB370 SOFTWARE DEVELOPMENT
Understanding software development is an integral part of the IT industry for software engineers. Software development relies on object technologies, programming techniques and numerous code libraries provided by language developers and third party vendors. Integrated Development Environments, unit testing frameworks, automated and continuous build tools and versioning systems are all becoming part of the tool set modern software developers must be familiar with. This unit is designed to introduce these technologies and techniques to show how software can be rapidly developed.

Prerequisites: INB270 or ITB003  Credit points: 12  Contact hours: 3 per week  
Campus: Gardens Point  Teaching period: 2011 SEM-1
INB371 DATA STRUCTURES AND ALGORITHMS
The purpose of this unit is to ensure that you have a sound knowledge of modern programming techniques and their use in providing medium-scale software solutions. This unit will teach you to decompose a problem and produce a modular solution to a programming task. The principles to analyse algorithms for efficiency will also be introduced. In addition, you will acquire the necessary skills for you to use the tools available in common development environments, such as Microsoft Visual Studio.

Prerequisites: INB270 or ITB003  Antirequisites: ITB711, ITB702, INN371  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2011 SEM-1

INB372 AGILE SOFTWARE DEVELOPMENT
This unit introduces you to the software development process. You will look at each of the major activities involved in developing a software system. You will also learn how to manage and control the software development process for a large project when a number of team members are involved in the development. This unit develops the professional practice of working on large software systems.

Prerequisites: INB370  Antirequisites: INN372, ITB612, ITB712  Assumed knowledge: Good programming, debugging, testing and software development skills.  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2011 SEM-2

INB373 WEB APPLICATION DEVELOPMENT
This unit will provide you with an understanding of the issues, structure and technologies used for developing web-based systems. The unit will provide you with the theoretical and practical skills needed to develop enterprise critical applications designed with an n-tier architecture using state of the art technologies. A comparative technology approach is taken, including an analysis of how web technologies have evolved to date, in order to identify common themes and to better enable you to comprehend and critically evaluate future web technology offerings.

Prerequisites: INB271 or ITB007  Antirequisites: INN271, INN373  Equivalents: ITB716 and ITN716  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2011 SEM-1

INB374 ENTERPRISE SOFTWARE ARCHITECTURE
This unit aims to introduce you to the field of enterprise architecture. It attempts to give you a grounding in the basic knowledge and skills required by an enterprise architect. This includes a solid understanding of the IT challenges currently facing medium to large size organizations, the theory and technologies currently used to address them and an appreciation of the business imperative for which they are utilized.

Prerequisites: INB270 or ITB003  Equivalents: ITB717  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2011 SEM-2

INB381 MODELLING AND ANIMATION TECHNIQUES
The development of computer graphics tools is a significant application within the IT, Games and related industries, relying heavily on software engineering methodologies. These tools, such as CAD systems, 3D modelling systems and games engines, are used in such industries as advertising, engineering, manufacturing, simulation for education and training, computer games, film special effects, etc. Modelling techniques are intrinsic to a 3D graphics system, especially one used for real time animation. With increased CPU and GPU power, the ability to animate in real time is allowing more sophisticated interaction and the merger of games/simulation and film. The unit will provide you with the knowledge and skills to use an industry standard graphics API to implement graphics applications and to develop a basic real time animation system using an industry standard language.

Prerequisites: INB371 and MAB281  Equivalents: ITB746  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2011 SEM-2

INB382 REAL TIME RENDERING TECHNIQUES
This unit will provide you with knowledge and skills in basic to advanced techniques in real-time rendering using shading languages. You will be able to implement a high-quality real-time rendering system in an industry standard API.

Prerequisites: INB371, INB381 and MAB281  Antirequisites: ITB648 and ITB649  Equivalents: ITB747  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2011 SEM-1

JSB171 JUSTICE AND SOCIETY
The Justice degree is about producing competent justice professionals. In order to achieve this purpose, this degree combines knowledge of the criminal justice system with an understanding and appreciation of the complexities of social justice. The purpose of this unit is to introduce students to the structural parameters of social justice.

Equivalents: JSB131, JSB011, JSB101  Credit points: 12  Contact hours: 3  Campus: Gardens Point and External  Teaching period: 2011 SEM-1
JSB175 SOCIAL ETHICS AND THE JUSTICE SYSTEM
It is essential for those employed within the justice system be able to competently and confidently work at the borders between ethics and the law. Ethical ability will enable practitioners to critically assess the moral status of current laws, to interpret acceptable standards of behaviour in situations not covered by the laws, and to develop shared understandings of moral responsibility in justice organizations and the wider community.

Equivalents: JSB134  Credit points: 12  Contact hours: 3  Campus: Gardens Point and External  Teaching period: 2011 SEM-1 and 2011 SEM-2

JSB271 POLICY GOVERNANCE AND JUSTICE
This unit will enable you to become familiar with policy-making practices and wider issues of governance. The unit aims to introduce the theory and practice of public policy with an emphasis on policy issues relevant to criminal and social justice. It analyses processes in policy development such as policy formation, writing, implementation and evaluation. You will gain tools for participating in policy development processes in both the public and community sectors.

Equivalents: JSB251, JSB081  Credit points: 12  Contact hours: 3  Campus: Gardens Point and External  Teaching period: 2011 SEM-2

JSB272 THEORIES OF CRIME
The main aim of this unit is to introduce the student to the study of theoretical criminology. This unit will address the social context of crime but is not exclusively sociological. The study of criminology is essentially multi-disciplinary and this is reflected in the diversity of theoretical approaches. Theory is typically offered as distinct from methods of research, however, together they provide the foundation for policy and practice. The unit provides an analytical framework in order to critically assess the epistemological claims and justifications found in criminological theory. Criminological theories are viewed embedded governmental practices aimed at ensuring the regulation and control of particular 'problem populations'.

Antirequisites: JSN113  Equivalents: JSB231, JSB018  Credit points: 12  Contact hours: 3  Campus: Gardens Point and External  Teaching period: 2011 SEM-1

JSB372 YOUTH JUSTICE
This unit is concerned with the way in which a 'youth crime problem' is constructed and the implications of this for particular cohorts of young people in contemporary Australia. It is also concerned with the administration and management of youth crime through formal systems designed to prevent and reduce unlawful acts. Particular attention is drawn to the historical development of youth justice in Australia and to the changing nature of youth crime control across jurisdictions. Contemporary articulations of youth crime control are examined in relation to Queensland's system of youth justice, particularly as this relates to young indigenous people, young women and those from various social classes and ethnic groups. Theoretically, the unit takes as its starting point a genealogical analysis that focuses on questions of knowledge, power, regulation and discipline. These are discussed in relation to the contemporary government of young people in Australia and other 'western' countries.

Equivalents: JSB232, JSB041  Credit points: 12  Contact hours: 3  Campus: Gardens Point and External  Teaching period: 2011 SEM-2

JSB378 DRUGS AND CRIME
Drugs, both legal and illegal, present many challenges to individuals, their families and communities as well as the criminal justice and health systems in Australia. This course examines issues and inter-relationships between drugs and crime. The course includes a detailed examination of drug use in Australia, including trends, patterns of usage and explanations for illicit drug use. A concentrated examination of the relationships between drugs and crime is a key focus as well as the current state of policy responses to drug control and prevention in Australia and internationally.

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

JSB971 GENDER CRIME AND THE CRIMINAL JUSTICE SYSTEM
This unit examines the experiences and treatment of men and women as criminals, victims and workers within the criminal justice system by asking whether and how: a) offending patterns vary according to gender, b) experiences of victimisation differ for men and women, c) the treatment and experiences of male and female offenders, victims and workers within the criminal justice system differ. Theories about crime, victimisation and criminal justice practice in relation to gender are also explored as are intersections between gender and Indigenous status. Recent developments in criminal justice policy and practice that could potentially effect future change with regard to gender inequities are critically examined.

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

KCB302 POLITICAL COMMUNICATION
This unit provides an overview of the theory and professional practices of political and parliamentary communication especially through the media and communications industries. The unit examines contemporary and historical political campaigns in Australia and internationally from the perspectives of media influence, strategic image and issue management, rhetorical models, and persuasion theory. The unit also considers how
professional campaign consultants plan and develop political campaigns.

**Equivalents:** KCB311  
**Credit points:** 12  
**Contact hours:** 4 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2011 SEM-1

**KMB003 SEX DRUGS ROCK 'N' ROLL**

In this unit, you gain an insight into the interaction between music and society by analysing the artistic, economic, and political landscape of the diverse, innovative music of the 21st century including rock and pop music, world music, dance music, indigenous music and new age music.

**Equivalents:** KMB640  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Kelvin Grove and Caboolture  
**Teaching period:** 2011 SEM-1

**LWS101 ETHICS LAW AND HEALTH CARE**

Nursing practice involves making decisions with and for others. This involves making evaluations of what is in the best interest of others, what are nurses’ obligations to others and what will best protect or enhance their well-being. Hence, decision-making in nursing practice is bounded by normative considerations and these normative considerations fall into two groups: those constituted by the law and those constituted by ethics. This unit has been designed to provide for nursing students and practitioners an opportunity to develop a reflective understanding of the place of law and ethics in nursing and a professional awareness of current legal statutes and ethical discussions as they apply to nursing practice.

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

**MAB281 MATHEMATICS FOR COMPUTER GRAPHICS**

Computer graphics is a rapidly growing field of the computer science industry. It has applications in computer games, virtual reality, CAD systems and geometric modelling. Fundamental to all of these applications is mathematics. Thus, to be a working professional in this area you will need a working knowledge of the basic mathematics and concepts that are central to this field. This unit is also ideal for non-specialists as it demonstrates some of the various fields of applications of mathematics in everyday life. The aim of this unit is to introduce you to the mathematics of computer graphics and relate this to the solutions of problems that arise in the many applications of computer graphics.

**Assumed knowledge:** Grade of at least Sound Achievement in Senior Mathematics B (or equivalent) or MAB105 is assumed knowledge.  
**Credit points:** 12  
**Contact hours:** 4 per week  
**Campus:** Gardens Point  
**Teaching period:** 2011 SEM-2

**MDB454 SCIENCE, TECHNOLOGY AND SOCIETY**

This unit investigates the interactions and effects that exist between modern science, technology and society both from a social and historical viewpoint. Advances such as the advent of the Internet, genetic modification and nanotechnology are discussed within a context of globalisation, global communications and social change. The unit also includes a study of the nature of science and technology and the nature of scientific knowledge. A major feature of the unit involves groups of students developing and delivering ‘a hypothetical’ on a contemporary science and technology issue affecting society.

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

**NSB113 DIVERSITY AND HEALTH: INTRODUCTION TO INDIGENOUS AND MULTICULTURAL PERSPECTIVES**

This unit provides students with foundational understandings in culture and its implications for health care. It includes four modules - culture, self and diversity; understanding and valuing Aboriginal and Torres Strait Islander cultures; Aboriginal and Torres Strait Islander health and wellness; and migrant health issues.

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

**PUB209 HEALTH, CULTURE AND SOCIETY**

This unit is concerned with the social and cultural dimensions of health and illness and how they relate to health status and patterns of behaviour. The unit introduces students to thinking about health from sociological and anthropological perspectives, drawing on relevant concepts and theory to examine selected public health issues. Identifying and addressing social and cultural factors that shape people’s health experiences of health, illness and health systems are integral parts of public health practice in terms of reducing health inequalities, delivering appropriate services, and ultimately improving population health outcomes.

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

**PUB486 ETHICS AND THE LAW IN HEALTH SERVICE DELIVERY**

This unit enables students to develop an awareness of the ethical and legal issues associated with the public sector and health care in the pre-hospital care setting. This unit covers topics relating to the code of ethics, the code of conduct and the legislation unique to the emergency health services. Students are required to apply content knowledge using the problem based learning strategy. Topics include introduction to ethics, morality and ethical theory, bioethics, public sector ethics, overview of the Australian legal system, consent to and refusal of health care, duty of care, consent to and refusal of health care, duty of care.
confidentiality, and record keeping.

**Prerequisites:** PUB280  Credit points: 12  Campus: Kelvin Grove and External  Teaching period: 2011 SEM-2

**PYB067 HUMAN SEXUALITY**

This unit explores historical approaches to studying, explaining and regulating human sexuality with an awareness of the social nature of definitions of 'normal' or 'acceptable' sexual behaviours. Students critically examine definitions of 'healthy' or 'morally acceptable' or 'normal' sexuality. Different models of sexuality are considered with an emphasis on contemporary critiques of the traditional paradigms of sexuality in the West.

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

**SCB110 SCIENCE CONCEPTS AND GLOBAL SYSTEMS**

You will undertake interdisciplinary study of the physical, geological and biological concepts relating to the origins of life: from the creation of matter and planets, to the emergence of life in all its complexity, culminating in the evolution of earth ecosystems. Human influences, overlaid upon earth's complex systems, will be examined as to their type, extent, and impact. In countproportion, you will explore the breadth of philosophical developments underlying our search for knowledge; fundamental thoughts and ideas that span the last 2,500 years of human history. Ultimately, these concepts evolved through the development of a scientific method, and we explore its workings in relation to the ongoing enterprise of human understanding.

**Credit points:** 12  Contact hours: 4.5 per week  Campus: Gardens Point  Teaching period: 2011 SEM-1

**SWB100 INTRODUCTION TO HUMAN SERVICES AND SOCIAL WORK**

This unit provides an introduction to human services and social work and locates this within the broader context of the welfare state. It examines both the history, and global and national forces, which shape the current direction of welfare policy and the human service industry. The purpose of human service work and the various roles a human service worker may undertake or utilise are explored. The unit challenges students to reflect on their own understandings of human services and human service work, and provides a foundation for detailed study in later years of the course.

**[SWB100 is incompatible with HHB100]**

**Antirequisites:** HHB100  Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-1

**SWB102 THE HUMAN CONDITION**

This unit introduces students to a range of individual, familial and social conditions that impact on the lives and lifestyles of Australians. Attention is directed toward the impact of factors such as age, ability, gender, culture and class, and the identification and exploration of key processes in human growth and development. Students become informed about theories from a range of disciplines and develop a critical and reflective approach to understanding human development. By examining how societies define and respond to human need and adversity students develop a framework for examining the dynamic interaction of individual, interpersonal and social forces.

**[SWB102 is incompatible with HHB102]**

**Antirequisites:** HHB102  Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-1

**SWB103 CONTEMPORARY SOCIAL AND COMMUNITY ISSUES**

This unit explores a number of contemporary social issues relating to social marginalisation and human disadvantage. It locates these issues in a theoretical and descriptive framework thus providing students with both knowledge and analytical skills that are necessary for the ongoing exploration of social issues. It explores the connection between forces at a macro level and human disadvantage and examines the value assumptions that sustain structural inequity. It encourages students to reflect on the implications of structural disadvantage for human service practice and the role of the human service worker as a participant in civil society.

**[SWB103 is incompatible with HHB103]**

**Antirequisites:** SWB108  Credit points: 12  Campus: Kelvin Grove  Teaching period: 2011 SEM-2

**SWB104 INTERPERSONAL COMMUNICATION**

This unit introduces skills and processes of interpersonal communication as modified by culture, gender and power. Microskills are developed including building rapport, reflective listening, questioning to understand, facilitating and advocating for clients of human services. Interviewing skills and skills in group communication are highlighted. Collaborative models are emphasised and special application includes third party involvement in communication.

**[SWB104 is incompatible with HHB113]**

**Credit points:** 12  Teaching period: 2010 SEM-2 and 2010 SUM-1

**SWB105 INTRODUCTION TO HUMAN RIGHTS AND ETHICS**

This unit explores a range of contemporary national, regional and international human rights challenges and issues. It examines the relationship between human rights, the human rights system and critically important global problems including climate change, poverty, terrorism and oppressive forms of intolerance. It offers opportunities to investigate thematic concerns relating to women, youth, indigenous peoples and minority groups as well as specific topics such as human trafficking, harmful cultural practices, workers rights and child soldiers. The unit draws on a
number of academic disciplines and makes extensive use of the Internet and information, communication and collaborative technologies. There are a number of interesting options open for assessment. [SWB105 is incompatible with HHB114]

**Antirequisites:** HHB114  Credit points: 12  Campus: Gardens Point and Kelvin Grove  Teaching period: 2011 SEM-1 and 2011 SEM-2

**SWB204 CHILD AND FAMILY SERVICES: INTRODUCTION**
This unit is designed to introduce second year students to child and family welfare studies and focuses on approaches to supporting families and promoting change. Initially students will gain an overview of issues facing contemporary Australian families that contribute to family adversity and examine responses to the welfare needs of children and families, including Indigenous families. Students will then critically examine characterisations of successful family relationships and parenting, theories on causes and effects of domestic violence and child maltreatment and the effect of maltreatment on children. [SWB204 is incompatible with HHB204]

**Antirequisites:** HHB204  Credit points: 12  Campus: Kelvin Grove

**SWB206 DISABILITY SERVICES: INTRODUCTION**
This unit links social justice, human rights and empowerment philosophies underpinning courses in the School. It examines the implications of these broad principles in the lives of people with disabilities. The unit explores the theoretical, social and political frameworks for analysing and understanding disability, the principles underpinning current service provision and their impact on the lives of people with disabilities using the service. Also explored are the cultural values and assumptions about disability, and the processes by which these values are translated into human service activity. Finally, the unit examines individual program planning and skill development practices. [SWB206 is incompatible with HHB206]

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

**SWB207 SERVICES TO YOUNG PEOPLE: INTRODUCTION**
This unit provides an introduction to human services practice with young people. It gives students an overview from both theoretical and operational perspectives. The various theoretical and popular understandings about 'youth' or 'adolescence' which condition human services provision to young people will be critically explored. Diversity and marginalisation among young people in relation to socio-economic status, gender, race and ethnicity, disability, sexual identity, and geographic location will be examined.

The unit briefly overviews contemporary policies, services, and practice frameworks oriented to young people. [SWB207 is incompatible with HHB207]

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

**SWB212 COMMUNITY WORK**
Community work as a distinct intervention skill is defined. The unit provides background to community work in Australia. Models of community work are introduced and analysed. Basic skills and techniques are developed: entering a community; building community involvement; developing community action; managing common problems. [SWB212 is incompatible with HHB212]

**Antirequisites:** HHB212, HHB216, SWB216  Credit points: 12  **Campus:** Kelvin Grove  **Teaching period:** 2011 SEM-1

**SWB214 TEAM PRACTICE AND GROUP PROCESSES**
A significant methodology used in human service work involves facilitating, supporting or consulting with various groups of people. This unit focuses on the development of skills to utilise this type of intervention appropriately. The unit aims to provide a basic understanding of the various uses to which group processes may be applied. Group work is located as an intervention process within the human service arena as distinguished from other processes at individual, community and societal level. [SWB214 is incompatible with HHB214]

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

**SWB216 THE HUMAN DIMENSIONS OF SPACE**
This unit is a component of the Community Studies major and covers the role of space in contemporary societies: key types of spaces and patterns in their usage; spaces as sites for cultural and symbolic expression; understanding the way inequality can and is reproduced through the configuration and management of space; understanding the way particular public spaces are used and experienced by particular sections of the community eg young people; key issues in public space configuration, management and policy eg enhancing social inclusion, safety and security; links between the economic and social, new urbanism; emerging theory and ideas about good practice in the development or reconfiguration of public and community accessed public spaces. [SWB216 is incompatible with HHB216]

**Antirequisites:** SWB212  **Credit points:** 12  **Campus:** Kelvin Grove  **Teaching period:** 2011 SEM-2

**SWB218 SOCIAL CHANGE, POLITICS, POLICY AND ACTIVISM**
Social activists, including social workers and human service practitioners, commonly work with and on behalf of disadvantaged persons, vulnerable groups and marginalised communities. While multi-causal, the life
circumstances of the disadvantaged, vulnerable and marginalised are heavily influenced by the exercise of political power and policies of government. Accordingly, professional practitioners engaged in social activism need to have a thorough understanding of the structure and processes of government and an appreciation of the 'art' of real world politics - 'realpolitik'- and how this shapes policy change. This unit provides you with an introduction to power, politics and government and serves as a foundation for a range of other units. It explores the relationship between political power and disadvantage and encourages you to consider the political sphere of your profession. [SWB218 is incompatible with HHB218]

**Antirequisites:** SWB108  Credit points: 12  **Campus:** Kelvin Grove  **Teaching period:** 2011 SEM-2

### SWB219 ETHICAL AND LEGAL DIMENSIONS OF HUMAN SERVICES AND SOCIAL WORK

This unit aims to produce graduates who have a comprehensive knowledge of the ethical and legal dimensions of human service practice and an understanding of the relevance of such dimensions for professional practice and the empowerment of the disadvantaged. [SWB219 is incompatible with HHB277]

**Prerequisites:** SWB100 and SWB105  **Antirequisites:** HHB277  Credit points: 12  **Campus:** Kelvin Grove

### SWB220 PRACTICE THEORIES

This unit is intended to enable you to develop an understanding of the major theoretical approaches (practice perspectives, practice theories and practice models) underpinning human service practice and critically examine the way theoretical concepts and disciplinary knowledge inform intervention process. [SWB220 is incompatible with HHB278]

**Antirequisites:** HHB278  Credit points: 12  **Campus:** Kelvin Grove  **Teaching period:** 2011 SEM-1

### SWB221 SOCIAL WORK PROCESSES AND METHODS

This unit is intended to enable students to develop knowledge and application skills in practice processes and methods central to social work and human service practice contexts. It aims to orient students to core human service and social work practice processes and methods and enable them to appropriately use these across diverse settings. [SWB221 is incompatible with HHB279]

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

### SWB222 ADVANCED COMMUNICATION FOR HUMAN SERVICES AND SOCIAL WORK

[This is a designated unit] Developed interpersonal communication skills are the cornerstone for both personal and professional relationships. Human service and social work in a broad sense, aim to help people in their struggle for self determination and social justice. At a fundamental level, the struggle for independence, justice and empowerment is facilitated by interpersonal processes involving the effective use of communication and conflict resolution skills. This unit builds the fundamental communication skills essential for professional social work within a diversity of practice settings. It pays particular attention to the needs of Indigenous peoples and clients from ethnically and culturally diverse backgrounds. It develops necessary skills in interpersonal dynamics, interviewing, empathic engagement, relationship building, working with resistant clients, alternate dispute resolution and reflective practice. [SWB222 is incompatible with HHB282]. [Designated unit]

**Prerequisites:** HHB113 or SWB104 or PYB007  **Antirequisites:** HHB215  Credit points: 12  **Campus:** Kelvin Grove  **Teaching period:** 2011 SEM-1

### SWB223 PEOPLE, SOCIETY AND SOCIAL WORK

This unit provides an orientation for social work students to the relevance of sociological and psychological understandings of people and society to social work practice. A range of key themes in the experience of those who use, or are the target of, social work intervention are used as vehicles to consider psychological and sociological foundations to practice. These themes include poverty, exclusion, isolation, motivation, spirituality, conflict, grief and loss, sexuality, addiction, resilience and well-being. The unit concludes with a consideration of the role of social work in various social and cultural contexts. [SWB223 is incompatible with HHB283]

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

### SWB302 SOCIAL POLICY PROCESSES

This unit includes the following: conceptualising economic, structural change in Australia; understanding emergent ideas about state and society; identifying and contrasting alternative social policies and strategies. The major debates in Social Policy are explored. Analyses of Australia’s response and the impact on redistribution in the Welfare State. Current analyses of health, housing, income security, immigration and family policies at federal, state and local government level. [SWB302 is incompatible with HHB213]

**Antirequisites:** SWB400  Credit points: 12  **Campus:** Kelvin Grove  **Teaching period:** 2011 SEM-2

### SWB304 CHILD AND FAMILY SERVICES: ADVANCED

The unit extends and deepens knowledge gained in Child and Family Introduction. You will particularly focus on developing a framework for assessment with families and gain further knowledge for practice with families who are refugees, where there is domestic violence and in the hospital context. Emphasis is placed on developing strategies to promote the participation of children and young
people. You will also enhance skills of identifying worthwhile service change and submission writing. [SWB304 is incompatible with HHB304]

Prerequisites: SWB204 or HHB204  Credit points: 12
Campus: Kelvin Grove  Teaching period: 2011 SEM-1

SWB305 COMMUNITY AND YOUTH CORRECTIONS
This unit recognises the need for an overview and understanding of the Queensland community and youth correction systems by Human Service and Social Work practitioners. It provides the legislative framework and structures, processes and principles of the youth and criminal justice system. It explores evidence based interventions and provides practice models and assessment frameworks.

It provides theory and practice skills for working with Indigenous people and examines the role of practitioners in Youth Justice Services and the Department of Corrective Services. The unit requires all students to engage in independent and group activity through seminars, to engage in case studies, critical reflection and active discussions. [SWB305 is incompatible with HHB305]

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

SWB306 DISABILITY SERVICES: ADVANCED
This unit builds on concepts and issues introduced in the Disability Services: Introduction unit and is designed to promote understanding of the knowledge required to undertake policy and service development activities within the disability sector. It explores the range of service models relevant to people with a disability across their lifespan. Additionally, it examines the quasi-legal and policy aspects of working in disability service organisations, along with some of the ethical dilemmas inherent in human service provision with particular relevance to people with a disability. [SWB306 is incompatible with HHB306]

Prerequisites: SWB206 or HHB206  Credit points: 12
Campus: Kelvin Grove  Teaching period: 2011 SEM-1

SWB307 SERVICES TO YOUNG PEOPLE: ADVANCED
Many of the positions available in the human services industry and oriented to young people require specific knowledge, skills and understandings. This unit involves an in-depth exploration of contemporary and emerging areas of direct and indirect practice with young people. Included are early intervention and prevention, youth policy analysis and development, juvenile justice practice, youth and family work, youth health practice, public space practice, accommodation and housing practice, and the interface between human services practice and schools. The unit also examines the legal and ethical dimensions of direct practice as an integral part of the unit. [SWB307 is incompatible with HHB307]

Prerequisites: SWB207 or HHB207  Credit points: 12
Campus: Kelvin Grove  Teaching period: 2011 SEM-1

SWB308 CHILD PROTECTION INTERVENTION SKILLS
This unit will focus on the development of skills for assessment and intervention to safeguard the welfare and rights of children and young people in families where personal and environmental challenges compromise the child or young person's safety. Particular attention will be paid to skills and processes necessary for maintaining a child-focused approach when working with families who have multiple and complex needs. [SWB308 is incompatible with HHB319]

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

UBD164 POPULATION AND URBAN STUDIES
This unit introduces the students to the demographic, economic, social and physical aspects of our cities to help understand the nature of cities we live in. The topics covered include: demographic and economic changes in cities, theoretical models of cities, issues such as social diversity, gentrification, masterplanned communities, and public spaces in cities.

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

UBD281 GEOGRAPHIC INFORMATION SYSTEMS
This unit investigates the basic concepts of geographic information systems. Topics to be covered include components of GIS, spatial databases, data acquisition, reference frameworks, use of photographs and images, spatial analysis and graphic output design issues. The unit will highlight the importance of geographic information systems the unit will highlight the importance of geospatial positioning applications in society.

Equivalents: PSB631  Credit points: 12  Contact hours: 4 per week  Campus: Gardens Point  Teaching period: 2011 SEM-1

UBD282 REMOTE SENSING
This unit includes the following: history and principals of remote sensing; types of imagery, image interpretation, satellite systems; supervised and unsupervised image classification; interpretation, analysis and presentation of data; applications in the earth sciences.

Equivalents: PSB655  Credit points: 12  Contact hours: 4 per week  Campus: Gardens Point  Teaching period: 2011 SEM-2