The information contained in this Handbook is valid as at the date mentioned below. The University of Southern Queensland reserves the right not to offer any program or course and to decline the enrolment of students in a program or course, in the light of student demand and resource constraints. Program structures, course objectives and content are subject to amendment as circumstances dictate.

The most up-to-date version of the USQ Handbook is the electronic version at http://www.usq.edu.au/handbook/current/. Any printed version or other saved electronic version will be up to date at the time of printing or saving but may not contain the most recent information. Please always refer to the Internet address provided.

This version produced 1 Nov 2018.
Course synopses

General Information

A Course is the basic unit of study and assessment for which a Student may be awarded a grade, and may accumulate credit units towards completion of a Program.
Synopses and course specifications can be found at http://www.usq.edu.au/course/specification/current/ .
All students must ensure that courses selected are appropriate for their level of study and that they have satisfied the pre-requisite, co-requisite and other requisite requirements for each course.

Consult the Handbook on the Web at http://www.usq.edu.au/handbook/current for any updates that may occur during the year.
This course introduces students to the world of accounting. Designed to provide a solid foundation for further study in both accounting and non-accounting disciplines, the course provides a logical introduction to the accounting environment and to the common financial accounting (external) reports and management accounting (internal) tools used for decision making purposes.

**ACC1105 ACCOUNTING PRINCIPLES** *(FBELA - UGRD)*

Semester 1 (ONC) Springfield (ONL) / Toowoomba (ONC) / Toowoomba (ONL) / Toowoomba (ONC) / Toowoomba (ONL)

Semester 2 (ONC) Springfield (ONL) / Toowoomba (ONC) / Toowoomba (ONL) / Toowoomba (ONC) / Toowoomba (ONL)

Units 1.0 (Accounting) Band 3

Pre-requisite: ACC1101 Enrolment is not permitted in ACC1105 if ACC1102 and/or ACC1101 has been previously completed.

This course provides students with an introduction to processing accounting transactions. The course encourages students to understand accounting systems by exploring both manual and computerised applications of accounting tools. Students will also learn about fund accounting concepts and will have the opportunity to apply these to normal business transactions. Students will prepare financial statements using the accounting standards for the accounts that meet legislative requirements. The course will also provide students with the skills to critically evaluate the information content of the financial statements.

**ACC2102 FINANCIAL ACCOUNTING** *(FBELA - UGRD)*

Semester 1 (ONC) Springfield (ONL) / Toowoomba (ONC) / Toowoomba (ONL) / Toowoomba (ONC) / Toowoomba (ONL)

Semester 2 (ONC) Springfield (ONL) / Toowoomba (ONC) / Toowoomba (ONL) / Toowoomba (ONC) / Toowoomba (ONL)

Units 1.0 (Accounting) Band 3

Pre-requisite: ACC1102 Enrolment is not permitted in ACC2102 if ACC1102 has been previously completed.

In this course students will study various sources of authority as they relate to the recording transactions and events and the preparation of financial statements and business reports, including sustainability reports. Students will investigate a number of specific accounting standards and generally accepted accounting principles (GAAP) in this course, including accounting for assets (e.g. financial assets, property, plant and equipment and leased assets), liabilities (provisions, deferred income and leases), equity (partnerships and companies) and income, revenue and expense recognition. Students will prepare financial statements for reporting entities (statement of financial position, statement of profit and loss and other comprehensive income, statement of changes in equity), prepare journal entries for complex business transactions and events and complete a team-based analytical report.

**ACC2113 MANAGEMENT ACCOUNTING I** *(FBELA - UGRD)*

Semester 1 (ONL) Toowoomba

Semester 2 (ONC) Springfield (ONL) / Toowoomba (ONC) / Toowoomba (ONL) / Toowoomba (ONC) / Toowoomba (ONL)

Units 1.0 (Accounting) Band 3

Pre-requisite: ACC1101

This course focuses on the provision and use of management accounting information for planning, controlling and decision making. The course facilitates an understanding of the management accounting function by exploring the creation and managing of organisational information.

**ACC2115 COMPANY ACCOUNTING** *(FBELA - UGRD)*

Semester 1 (ONC) Springfield (ONL) / Toowoomba (ONC) / Toowoomba (ONL) / Toowoomba (ONC) / Toowoomba (ONL)

Semester 2 (ONC) Springfield (ONL) / Toowoomba (ONC) / Toowoomba (ONL) / Toowoomba (ONC) / Toowoomba (ONL)

Units 1.0 (Accounting) Band 3

Pre-requisite: ACC1102 or ACC2102 or ACC2103

This course is designed to enable students to acquire basic skills of company accounting (formerly ACC3115). Based on the Australian Qualification Framework, the minimum Threshold Learning Outcomes for this course cover the areas of Knowledge and Application skills. A focus of the course is the development of practical skills for students to develop consistent company accounting records required for a simulated consolidation of companies as a part of their assessment.

**ACC3101 ACCOUNTING INFORMATION SYSTEMS** *(FBELA - UGRD)*

Semester 1 (ONL) Toowoomba

Semester 2 (ONC) Springfield (ONL) / Toowoomba (ONC) / Toowoomba (ONL)

Units 1.0 (Accounting) Band 3

Pre-requisite: ACC1102 and CS1100

This course takes a cost-contracting approach to analysing accounting information systems, although other perspectives on firms and information systems are also considered. This course examines the role of accounting information systems in monitoring and controlling contracting and agency relationships between the various economic actors in business firms, and in supporting contracting relationships beyond the boundaries of the firm. It focuses on the design of accounting information systems in the context of a business operation with an emphasis on the design of controls and control systems to mitigate against the threats induced by agency based relationships and through intentional and unintentional error. Throughout the course these topics are considered in the context of recent major changes in the business environment, such as globalisation of world economies, sustainability and advances in technologies such as the Internet and telecommunications. Students are taught how to “find out” about these changes and to analyse them in an information systems context. This analysis will equip students to understand how accounting information systems operate to support the internal and external functioning of firms, and how to make best use of them. Since accounting information systems are at the heart of most business information systems, the students will consider the impact of shifts in major transaction processing cycles viz general ledger/accounts revenue and expenditure.

**ACC3114 MANAGEMENT ACCOUNTING II** *(FBELA - UGRD)*

Semester 1 (ONL) Toowoomba

Units 1.0 (Accounting) Band 3

Pre-requisite: ACC3113

This course comprises an extension of some topics studied in Management Accounting I, as well as an introduction to new topics. Extensions include service costing, pricing decisions and customer profitability analysis. The course also explores impacts on management accounting arising from contemporary management philosophies and techniques in relation to JIT, quality, transfer pricing, performance measurement, capital investment decisions sustainability and rationales for the relevance of various aspects of traditional management accounting. This course can be taken as a stand-alone or as part of an approved learning outcomes in the areas of knowledge and application skills.

**ACC3118 ACCOUNTING AND SOCIETY** *(FBELA - UGRD)*

Semester 1 (ONC) Springfield (ONL) / Toowoomba (ONC) / Toowoomba (ONL)

Semester 2 (ONL) Toowoomba

Units 1.0 (Accounting) Band 3

Pre-requisite: ACC2115

This course introduces students to the theory that underpins accounting practice. It explores the role of accounting information in modern business organizations and the interaction of accounting information with other organisational information. The course develops the threshold learning outcomes in the areas of Knowledge and Application skills.

**ACC3210 ANALYSIS OF CORPORATE REPORTING** *(FBELA - UGRD)*

Semester 1 (ONC) Springfield (ONL) / Toowoomba (ONL)

Units 1.0 (Accounting) Band 3

Pre-requisite: ACC3210

This course introduces the concepts and practices of company financial statement audits. Limited practical exposure to audits are conducted in computer-based and internet environments for selected systems. Limited practical exposure to audits are conducted in computer-based and internet environments for selected systems. The course builds on students' knowledge of consolidated financial statements by investigating advanced financial accounting topics such as financial instruments (measurement, recognition and disclosure) and earnings management issues (asset impairment, goodwill, revenue recognition, provisions and contingent liabilities).

**ACC3250 MANAGEMENT ACCOUNTING WITH A STRATEGIC PERSPECTIVE** *(FBELA - PGRD)*

Semester 1 (ONC) Springfield (ONL) / Toowoomba (ONL)

Semester 2 (ONC) Springfield (ONL) / Toowoomba (ONL)

Units 1.0 (Accounting) Band 3

Pre-requisite: ACC3250. Students in the MPAC and MBAC must also complete ACC6000.

This course develops the threshold learning outcomes in the areas of Knowledge and application skills. This course focuses on the provision and use of management accounting information for planning, control, and decision making in relation to the strategic perspective of business. The course introduces students to the impacts of sustainability reporting and the role of corporate social responsibility in decision-making. Students will critically evaluate company performance in relation to Australian and International Standards.

**ACC5202 ACCOUNTING** *(FBELA - PGRD)*

Semester 1 (ONC) Springfield (ONL) / Toowoomba (ONL) / Toowoomba (ONC)

Units 1.0 (Accounting) Band 3

Pre-requisite: ACC5202. Students in the MPAC and MBAC must also complete ACC6000.

This course builds on students' knowledge of consolidated financial statements by investigating advanced financial accounting topics such as financial instruments (measurement, recognition and disclosure) and earnings management issues (asset impairment, goodwill, revenue recognition, provisions and contingent liabilities).

**ACC5213 MANAGEMENT ACCOUNTING WITH A STRATEGIC PERSPECTIVE** *(FBELA - PGRD)*

Semester 1 (ONC) Springfield (ONL) / Toowoomba (ONC) / Toowoomba (ONL) / Toowoomba (ONC) / Toowoomba (ONL)

Units 1.0 (Accounting) Band 3

Pre-requisite: ACC5202 and ACC5250 or ACC5302

This course is designed to enable students to acquire basic skills of company accounting. Based on the Australian Qualification Framework, the minimum Threshold Learning Outcomes for this course cover the areas of Knowledge and Application skills. A focus of the course is the development of practical skills required to complete company accounting records required for a simulated consolidation of companies as a part of their assessment. Students will critically evaluate company performance in relation to Australian and International Standards.
This course is designed as an introduction to applied accounting research studies. Using established accounting theories, the factors or incentives that exist for preparers of financial reports are investigated. These factors require consideration when making financial reporting decisions or evaluating the decisions of others. The primary objective of this course is to overlay theory concepts and a framework to accounting from a practical perspective so students see the relevance of theory to practice. This includes an investigation of the popular theories and evidence in regard to financial reporting. The financial reporting issues addressed include the choice of accounting methods, voluntary disclosure, environmental performance reporting, behavioural accounting research and the regulation of financial reporting. Students will synthesise their learned knowledge of accounting from separate courses and take a critical look at theory and practice of accounting.

ACC5218 AUDITING PRACTICE (FEBA - PGRD)
Semester 1 (ONC) (Springfield) (ONL)Toowoomba
Semester 2 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Accounting) Band 3
Pre-requisite: ACC5202. Students in the MPAC and MBAC must also complete ACC8000.

This course introduces the concepts and practices of company financial audits within the assurance framework. It deals primarily with the process by which the external company auditor, within the Australian Accounting Professional, Ethical and Legal Framework, appraises and reports on the truth and fairness of the company’s financial statements. The course is oriented towards the auditing profession and, in keeping with current practice, adopts a risk-based audit approach and follows the Australian Auditing Standards that are based on the International Standards on Auditing. Based on the Australian Qualification Framework (AQA), the minimum threshold learning outcomes for this course will be developed in the areas of knowledge and application skills, teamwork and judgement.

ACC5502 ACCOUNTING AND FINANCIAL MANAGEMENT (FBEA - PGRD)
Semester 1 (ONC) (Springfield) (ONC)Toowoomba
Semester 2 (ONL)Toowoomba (ONC)Toowoomba
Units 3.0 (Accounting) Band 3
Pre-requisite: Students enrolled in one of the following Programs: Master of Professional Accounting (MPAC) or Master of Business Administration & Master of Professional Accounting (MBAC) are not eligible for enrolment.

Accounting and finance knowledge is crucial in effectively managing organisations. This course provides a broad understanding of accounting and finance tools and concepts. These tools are widely used in business practice and successful completion of this course will enable students to make considered and knowledgeable business decisions. The course will cover the use and interpretation of financial and management reports to help plan, control and evaluate in today’s business environment.

ACC8000 RESEARCH IN ACCOUNTING PRACTICE (FEBA - PGRD)
Semester 1 (ONL)Toowoomba (ONC)Toowoomba
Semester 2 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Accounting) Band 3
Pre-requisite: ACCSC500 or ACC5002 Co-requisite: FINF003

This course is designed as an introduction to applied accounting research. Students cover the fundamentals of research and investigate research studies in financial accounting, management accounting and auditing. The course is designed to build foundation skills for students to successfully conduct applied accounting research that employs both qualitative and quantitative data analysis methods that are employed in accounting practice and to evaluate published business research studies.

ACC8003 ACCOUNTING INFORMATION SYSTEMS AND CONTROLS (FEBA - PGRD)
Semester 1 (ONL)Toowoomba (ONC)Toowoomba
Semester 2 (ONC) (Springfield) (ONL)Toowoomba
Units 1.0 (Accounting) Band 3
Pre-requisite: ACC5202

The course is based on the premise that information systems knowledge is essential for creating competitive firms, managing global Corporations, adding business value, and providing useful products and services to customers. Accounting Information Systems is a compulsory course in the Master of Professional Accounting and meets the core knowledge requirements of the professional bodies. The course addresses accounting information systems in organisation, systems development, and the role of fraud and cybercrime. The course also examines accounting information systems role in support of strategic and operational decision-making and problem-solving, as well as operations support and management.

ACC8105 FINANCIAL STATEMENT ANALYSIS (FEBA - PGRD)
Semester 1 (ONC) (Springfield) (ONL)Toowoomba
Semester 2 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Accounting) Band 3
Pre-requisite: ACC5202

This course is designed to enable students to acquire advanced skills of financial statement analysis. Based on the Australian Qualification Framework, the minimum threshold Learning Outcomes for this course will be developed in the areas of knowledge and application skills. A focus of the course is the development of practical skills. Financial statements are used extensively in decision-making. People use the information communicated in financial statements to help them make decisions about share trading, investing and renewing lending decisions. This course will enable students with an opportunity to use analytical techniques that will help them make informed decisions when using financial statements. We use financial analysis techniques to assess the quality of the accounting information provided, to derive the value of a company and to make sound financial forecasts.

ACC8601 CORPORATE GOVERNANCE AND SOCIAL RESPONSIBILITY (FEBA - PGRD)
Semester 2 (ONC) (Springfield) (ONL)Toowoomba
Semester 1.0 (Accounting) Band 3
Co-requisite: ACC5216

This course is designed to provide students with advanced knowledge that covers the components of the corporate governance, ethical and moral obligations, and social responsibility issues, and the factors underlying business sustainability and environmental, social and governance (ESG) integrated reporting.

ACC8602 STRATEGIC APPLICATIONS OF MANAGEMENT ACCOUNTING (FEBA - PGRD)
Semester 2 (ONC) (Springfield) (ONL)Toowoomba
Semester 1.0 (Accounting) Band 3
Pre-requisite: ACC5213

This course is designed to provide students with advanced knowledge that covers the components of the strategic environmental and management accounting and analysis of value chain analysis that are needed for business sustainability.

ADV1001 INTRODUCTION TO ADVERTISING (FBEA - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Semester 1.0 (Communication & Media Studies) Band 1
Pre-requisite: AEP1112

This course is an introduction to the Advertising major. It introduces students to a broad range of theories associated with advertising and enables them to engage with advertising and its roles through analysing.

AEPI111 TRANSITIONING TO UNIVERSITY (OAC - UGRD)
Semester 3 (EXT)Toowoomba
Units 1.0 (Learning Skills Programmes) Band 3
Co-requisite: AEPI112

Students will progress through a course which requires them to explore and respond to aspects of the university community relevant to their role as new students. They will investigate issues relevant to the context of higher education, engage in career development and planning and undertake tasks related to self-management, goal-setting, time management and study skills. Learning in this course will focus on participation in practical, authentic activities relevant to beginning university study. This course contains a mandatory residential school.

AEPI112 APPLIED ACADEMIC LITERACIES (OAC - UGRD)
Semester 3 (EXT)Toowoomba
Units 1.0 (Written Communication) Band 1
Co-requisite: AEPI111

Students will engage in an integrated, collaborative academic re search project. Through the investigation of a current social issue, they will develop and practice using the academic literacies required to locate, interpret, and critically evaluate a wide range of information. Students will develop the numeracy skills to use quantitative data to support claims in a variety of contexts. They will also develop the capacity to critically explore how the social and cultural influences that shape and inform their work and to work independently and collaboratively to produce a range of texts suitable for local and international audiences. This course contains a mandatory residential school.

AGR2301 AGRICULTURAL SCIENCE (FHESC - UGRD)
Semester 2 (ONC) (Toowoomba) (ONL)Toowoomba
Units 1.0 (Agricultural Science) Band 2

A knowledge of agricultural systems is important to professionals in earth and biological sciences, arts, agriculture and environmental engineering. This is an introductory course in agricultural plant morphology and physiology, grain and cropping systems, animal production systems, integrated pest management, production economics and management, nutritive value and marketing, human welfare and environmental and social constraints to land use and agricultural production, the processes of land degradation, and the introduction to the concepts of rural land management and sustainable farming system management.

AGR2302 AGRICULTURAL MACHINERY (FHESC - UGRD)
Semester 1 (ONC) (Toowoomba) (ONL)Toowoomba
Units 1.0 (EnginTech not classified) Band 2

Machinery is an important component of any farming system, and an understanding of its specification, operating principles and performance is essential for engineers involved in agriculture. This course examines the functional requirements of the major groups of machinery and investigates the engineering principles and subsystems which are involved. These forms the knowledge and skills necessary for analyzing and predicting machine performance, and also enables students to identify and compare machines in the choice and effectiveness of the range of machinery. It also includes discussion of energy resources and management, and the effects of the machinery components of a farming system are outlined. The design of machinery subsystems is described. The thermodynamics of grain drying and controlled environments are also investigated. The course uses field work with tractors and other machinery to show how the theory is related to practice.

AGR2303 AGRONOMY (FHESC - UGRD)
Semester 1 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Agricultural Science) Band 2
Pre-requisite: AGR2001

This course outlines the characteristics and growing approaches of the main plant species used in Australian farming systems. The characteristics of field crops, pasture, and fruit and vegetable species are outlined. Land preparation, planting approaches, fertiliser use and irrigation systems are also discussed. The major biological threats to crop health are discussed including weeds, microbial diseases and insect pests and plant pathological pests. The impacts of cropping on environmental health are explored. The course finishes with an exploration of food security in the 21st century.

AGR2902 FIELD PRACTICE (FHESC - UGRD)
Semester 3 (EXT)Toowoomba
Units 0.0 (Environmental Studies not else) Band 2

Agricultural and Environmental Engineers require a practical understanding of the operation of rural industries and the environmental constraints that impact the operation of these industries. This practical school will provide students with an introduction to natural resource and production management issues, and also discuss the potential workplace and safety issues. This will involve active visiting industry and commercial sites on a four day field trip during which time students will not be on campus (accommodation on route). In particular, commercial exam questions will be presented to highlight the physical, economic and social constraints to rural industry development, environmental issues as associated with the industry development, the processes of land degradation, and the principles of property management planning and sustainable land management. This course contains a mandatory residential school.
Agricultural and Environmental Engineers require a practical understanding of the processes governing soil and water behaviour in the environment. This course provides students with a practical introduction to soil and water parameters and processes such as soil moisture content, infiltration, hydraulic conductivity and aquifer transmissivity. The course will also build on the hydraulics undertaken in the earlier soil and water practice course particularly in the areas of unsaturated and steady-state flows. This course contains a mandatory residential school.

Agricultural Engineering is a discipline which is strongly oriented to the practical needs of all involved in agriculture. Students need to understand the practical application of theories and develop skills in the identification and solution of problems. This course presents a coordinated set of activities which relate to other Agricultural Engineering courses and will reinforce and develop an understanding of their content and their application to real-world situations. This course contains a mandatory residential school.

AGR3405 AGRICULTURAL SOIL MECHANICS (FHESC - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (EnginTech not classified) Band 2
Agriculture machinery interacts with soils in a number of ways, and the processes of soil deformation and compaction are of vital interest to engineers involved in agriculture. This course investigates these processes by developing a detailed understanding of the response of soils to imposed stresses and their resulting deformation and mode of failure. A theoretical framework that explains and describes the action of tillage tools, the development of tractor forces, and the processes of soil compaction is established. Methods for assessing and describing soil physical properties and the operation of soil engaging tools are discussed and linked to plant growth and crop yield. The process of soil compaction and the practice of controlled traffic will also be reviewed.

AGR8001 FOOD SECURITY IN THE 21ST CENTURY (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Agricultural Science) Band 2
This course introduces food security as a concept whereby world populations have access to sufficient, safe and nutritious food. The threats to food security are outlined, including those caused by natural phenomena, demographic, logical and economic issues and changes to the political stability of world regions. The role of imports in agricultural production is extensively explained including methods for maximising crop productivity, soil and water conservation techniques, improved land management practices and production and logistical enhancements and economic and political considerations.

AGR2002 EMERGING TECHNOLOGIES IN AGRICULTURE (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Agricultural Science) Band 2
This course begins by considering the historical effects of technological change on agriculture and on rural communities and the effect on society as a whole. The contribution made to technological innovation by advances in our fundamental understanding of biological and physical sciences is discussed. Innovations arising from advances in genetics, crop protection, soil science, agricultural engineering and robotics, data management, computer technology and other fields will be surveyed. Students will have the opportunity to prepare two case studies of their choice.

AGR8003 CRITICAL ISSUES IN AGRICULTURE (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Agricultural Science) Band 2
This course provides an overview of a broad range of environmental, political, social and scientific issues which can impact on agricultural production. The course commences with an analysis of historical case studies surrounding agricultural production before introducing a number of issues which are significant for conflict in contemporary agriculture systems. Topics covered include land availability and alternate land use, water quality and availability, pollution management, agricultural imports and exports, biotechnological advances in agricultural production and major emerging issues. Students are required to prepare case studies on two critical issues, drawing on perspectives gained during the program.

ANP5001 INTRODUCTION TO RURAL AND REMOTE NURSING PRACTICE (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Nursing not classified) Band 4
Pre-requisites: Students must be enrolled in one of the following Programs: PDEV or MNSG or GCCO or GCCO or MOHH or GCCO or MNSG or MOHH
This course introduces rural and remote health care delivery. It offers registered nurses knowledge to promote critical thinking and decision-making for autonomous and accountable practice, with in such isolated contexts.

ANP8002 IMMUNISATION NURSING (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Nursing not classified) Band 4
Pre-requisites: Students must be enrolled in one of the following Programs: FHESC or GCCO or PDEV or MNSG or MOHH or GCCO or MNSG or PDEV
This course specifically focuses on emergency nursing care of adults and children in isolated practice contexts. Within this context, advanced nursing skills are essential to ensure optimum outcomes for the client. These skills ensure that appropriate assessment, triage, intervention and referral for continuity of care occur in the absence of support services. This course is designed to build advanced nursing practice knowledge and skills in the areas of screening, immunisation, and emergency scenarios.

ANP8001 IMMUNISATION NURSING IN ISOLATED PRACTICE (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Nursing not classified) Band 4
Pre-requisites: Students must be enrolled in one of the following Programs: FHESC or GCCO or PDEV or MNSG or MOHH or GCCO or MNSG or PDEV
This course is designed to introduce the registered nurse to the advanced practice scope of care in rural and remote practice settings. Students will apply evidence based practice to the skills of physical assessment, diagnosis and therapeutic interventions, and the management of health data to ensure the appropriate and ethical treatment of clients.

ANP8006 DIAGNOSTICS AND ASSESSMENT (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Health not elsewhere classified) Band 2
Pre-requisites: Students must be enrolled in one of the following Programs: PDEV or MNSG or GCCO or GCCO or MOHH or GCCO or MNSG or PDEV
This course is designed to introduce the registered nurse to the advanced practice scope of care in rural and remote practice settings. Students will apply evidence based practice to the skills of physical assessment, diagnosis and therapeutic interventions, and the management of health data to ensure the appropriate and ethical treatment of clients.

ANP8009 PHARMACOKINETICS AND PHARMACOLOGY FOR SCHEDULED MEDICINES (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Units 2.0 (Health not elsewhere classified) Band 2
Pre-requisites: Students must be enrolled in one of the following Programs: FHESC or GCCO or PDEV or MNSG or MOHH or GCCO or MNSG or PDEV
It is important that registered nurses working in isolated and rural areas have an understanding of how pharmacokinetics and pharmacological applications of the approved scheduled medications can assist them to provide safe and effective care. This course will provide a foundation for the registered nurses, within their context of practice, to comprehend the principles underpinning the need for developing and maintaining responsible prescribing undertakings under these advanced skills. This course facilitates the student to apply advanced nursing practice competencies in decision making to ensure safe and accountable practice.

ANP8010 SITUATIONAL PRACTICE: CLINICAL AND CRITICAL DECISION MAKING SKILLS (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Units 2.0 (Health not elsewhere classified) Band 2
Pre-requisites: ANP8002 and students must be enrolled in one of the following Programs: FHESC or GCCO or PDEV or MNSG or MOHH or GCCO or MNSG or PDEV
Working in independent advanced nursing practice demands high level skills in critical reasoning and clinical decision-making. The practitioner’s ability to critically evaluate and analyse all data concerning both simple and complex presentations underpins these advanced skills. This course facilitates the student to apply advanced nursing practice competencies in decision making to ensure safe and accountable practice.
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AVN2101 AIRPORT OPERATIONS AND MANAGEMENT (FBELA - UGRD)
Semester 1 (ONC) (Springfield) (ONL) Toowoomba
Units 1.0 (Business Mgt not classified) Band 3
Pre-requisite: AVN1014
This course will develop the concepts, principles and essential skills to take on a leadership role in an airline emergency response situation. It will also study the interaction between humans within the system, and to develop the skills necessary to identify, predict and suggest prevention strategies of the air transport industry in a global market. They will learn about the roles and responsibilities of the airline in the event of an emergency response situation, and how to work individually and in small teams to gain an understanding of planning, coordinating, and controlling an airline in the context of a commercial emergency.

AVN3101 MANAGING OPERATIONS IN AVIATION (FBELA - UGRD)
Semester 1 (ONC) (Springfield) (ONL) Toowoomba
Units 1.0 (Business Mgt not classified) Band 3
Pre-requisite: AVN1014
This course will develop the concepts, principles and essential skills to take on a leadership role in an airline emergency response situation. It will also study the interaction between humans within the system, and to develop the skills necessary to identify, predict and suggest prevention strategies of the air transport industry in a global market. They will learn about the roles and responsibilities of the airline in the event of an emergency response situation, and how to work individually and in small teams to gain an understanding of planning, coordinating, and controlling an airline in the context of a commercial emergency.

AVN4101 ADVANCED HUMAN FACTORS IN AVIATION (FBELA - UGRD)
Semester 1 (ONC) (Springfield) (ONL) Toowoomba
Units 1.0 (Behavioural Science not elsewhere classified) Band 1
Pre-requisite: AVN1014
The course will examine the basic facets of human-machine interactions within the aviation system and their own professional environment, from the perspective of the air transport industry, such as commercial airlines and airports. The student will learn about the roles and responsibilities of the airline in the event of an emergency response situation, and how to work individually and in small teams to gain an understanding of planning, coordinating, and controlling an airline in the context of a commercial emergency.

AVN5101 AVIATION MANAGEMENT (FBELA - UGRD)
Semester 1 (ONC) (Springfield) (ONL) Toowoomba
Units 1.0 (Business Mgt not classified) Band 3
Pre-requisite: AVN1014
This course will develop the concepts, principles and essential skills to take on a leadership role in an airline emergency response situation. It will also study the interaction between humans within the system, and to develop the skills necessary to identify, predict and suggest prevention strategies of the air transport industry in a global market. They will learn about the roles and responsibilities of the airline in the event of an emergency response situation, and how to work individually and in small teams to gain an understanding of planning, coordinating, and controlling an airline in the context of a commercial emergency.

AVN6101 HUMAN FACTORS IN AVIATION PROJECT (PART 2) (FBELA - UGRD)
Semester 2 (ONC) (Springfield) (ONL) Toowoomba
Units 1.0 (Business Mgt not classified) Band 3
Pre-requisite: AVN5101
This is the second course on aviation law and it aims to provide a broad and coherent body of knowledge on aviation law in the international context. This course introduces the principles of international aviation law and relevant international treaties and legislations. The topics include, but are not limited to, the Chicago Convention, Multilateral agreements, Warsaw and Montreal Conventions, and State obligations under the various international legal regimes of the air and open sky agreements. The student will learn about the roles and responsibilities of the airline in the event of an emergency response situation, and how to work individually and in small teams to gain an understanding of planning, coordinating, and controlling an airline in the context of a commercial emergency.
theoretical outcomes) pathway. Both options are directly related to,
standing of practice through intensive studio work on an individual
Pre-requisite: Students must be enrolled in one of the following
related to, and compliment the research undertaken in HMT4001
ual project) or theoretical (developing conceptual skills and under
The course introduces historical and theoretical approaches to critical
and creative thought through a variety of contexts and debates in
The course introduces students to the pathoblogic basis of disease and
and explores the roles of the pathology laboratory and medical labo
in this course include cardio vascular system, blood, lymphatic and
This foundational course explores the history and diversity of microor
metabolism and growth, microbial genetics and the relevance of mi
organisms, prokar yote and eukar yote cell str ucture and function,
This course investigates the relationships between alterations in cell and tissue
and cell and tissue composition and the clinical signs and symptoms of disease.
The course is delivered as three separate modules: Haematology, Haematology and Clinical Biochemistry and provides an introduction to the theory and practice of
These three disciplines of patholgy.
This course introduces a high recommended residential school for external
courses, and explores the roles of the pathology laboratory and medical labo
Pre-requisite: Students must be enrolled in one of the following Programs: MSTA or MARRA.
the course introduces and explains how practice and theory informs or
might inform hybrid and/or discipline specific options. This course seeks to increase the students’ ability to contribute to scholarly output in
by motivating and encouraging further practice, research and
Consult the Handbook on the Web at http://www.usq.edu.au/handbook/current for any updates that may occur during the year.
Campuses or practical classes for on-campus students (non-attendance will mean the student错过s both an element for assessment preparation and an element of assessment).
Pre-requisite: BCA1101 Co-requisite: BCA104
This course provides students with an introduction to pre-analytical pathology; specimen collection and processing, and proceeds further to critical placements in the various analytical disciplines of clinical pathology. This course gives students the opportunity to apply their knowledge of pre-analytical pathology in the real life situation in preparation for future employment in a clinical pathology laboratory. This course enhances student learning through the application of their theoretical/knowledge in a real-world setting within a supportive professional team environment. This practical experience will enhance the students’ understanding of the development of the students’ work place skills and enhance their understanding of work health and safety and professional conduct. This course will also provide students with the opportunity to make valuable professional connections with laboratory supervisors and staff that could enhance their future employment prospects. Students intending to enrol in this course should be aware of the privacy and confidentiality issues that are associated with testing and research. This course contains a highly recommended residential school for external students and highly recommended on-campus laboratories or practical classes for on-campus students (non-attendance will mean the student misses both an element for assessment preparation and an element of assessment).
this course introduces students to foundational concepts in biomedical science through the study of the human body from the earliest stages of life through to old age. The course includes an in introduction to the molecular basis of life, cell structure and function, human reproduction, basic Mendelian genetics and ageing processes. It also emphasises the importance of ethics and provides an overview of ethical and professional practice in biomedical science by exploring some of the human rights concerns associated with biomedical exploration. The course contains a highly recommended residential school for external students and highly recommended on-campus laboratories or practical classes for on-campus students (non-attendance will mean the student misses both an element for assessment preparation and an element of assessment).

Two practical options are offered. Options A and B are both designed to develop discipline expertise in the Creative Arts student. Option A is designed to develop discipline expertise in the Creative Arts student.

BCA3000 BCA PROJECT A (FBELA - UGRD)
Semester 1 (ONC) (Springfield) (ONC)Toowoomba (ONC)Toowoomba
Units 1.0 (Creative Arts not enrolled ccl) Band 1
This course seeks to explore at an advanced level the intersection between theory and practice in the creative arts. Commencing from the primary perspective of the arts practitioner, the student will identify, research and articulate how practice and theory informs or might inform hybrid and discipline specific options. This course seeks to increase the students’ ability to contribute to scholarly output in their field by motivating and encouraging further practice, research and

This course introduces students to foundational concepts in biomedical science through the study of the human body from the earliest stages of life through to old age. The course includes an introduction to the molecular basis of life, cell structure and function, human reproduction, basic Mendelian genetics and ageing processes. It also emphasises the importance of ethics and provides an overview of ethical and professional practice in biomedical science by exploring some of the human rights concerns associated with biomedical exploration.
This course contains a highly recommended residential school for external students and highly recommended on-campus laboratories or practical classes for on-campus students (non-attendance will mean the student misses both an element for assessment preparation and an element of assessment).
explores the nature of cellular ultrastructure; protein post-translational assays, PCR, rtPCR and real time PCR. These procedures underpin an element of assessment. BIO2105 PATHOLOGY CLINICAL PLACEMENT 2 (FHESC - UGRD) Semester 2 (ONC)Toowoomba Units 1.0 (Pathology) Band 2 Pre-requisite: BIO2105 This course provides students with an opportunity to apply their specialised theoretical knowledge in a real-world clinical setting in preparation for future employment in a pathology laboratory. Students undertaking this clinical placement will gain organisational, time management and practical skills as they observe and participate in the day-to-day running of an analytical pathology department. This course encourages a reflective approach to the development of the student's workplace skills and will enable the student to make valuable professional connections with laboratory staff, potentially enhancing future employment prospects. Students intending to enrol in this course should communicate with the professional placement office well in advance of the first week of the semester so that the process of arrangement of a suitable placement can be managed in a timely manner. This course requires attendance of 13 days per semester. The details of the clinical placement are negotiated by the professional placements officer to suit the student's requirements and the pathology provider's capacity to accommodate the student. 1. Pathology Clinical placements Pathology clinical placements are an integral component of the Bachelor of Health (Medical Laboratory Science) program. The Pathology Clinical Placements enable students to gain practical experience in a workplace setting. However, as this is a clinical work place setting students must be aware of the privacy and confidential issues that are associated with working in such an environment. Students undertaking pathology clinical placements must undertake Queensland Health Orientation training and sign deeds relating to workplace safety. The Students will be provided with a comprehensive clinical guidance manual upon enrolment.

BIO2106 MICROBIOLOGY AND IMMUNOLOGY 2 (FHESC - UGRD) Semester 2 (ONC)Toowoomba Units 1.0 (Microbiology) Band 2 Pre-requisite: BIO2104 This course builds on the theory and practical laboratory skills provided in BIO1106 Medical Microbiology and Immunology with an increased focus on the diagnosis and control of infectious diseases in the human. Areas of specific emphasis include the nature of microbial virology, bacterial and fungal infections and the symptoms and medical intervention. Students are taught how to order and interpret laboratory results, how to conduct epidemiological studies and how to formulate hypotheses based on their findings. Understanding the theories and principles that underlie medical microbiology is necessary for the diagnosis and control of infections. This course provides students with a foundation in the knowledge and skills required to work in a pathology laboratory or a microbiology laboratory. This course also provides an overview of the analytical instrumentation of the Student and the professional placement officer to negotiate the student's requirements and the pathology provider's capacity to accommodate the student. 1. Pathology Clinical placements Pathology clinical placements are an integral component of the Bachelor of Health (Medical Laboratory Science) program. The Pathology Clinical Placements enable students to gain practical experience in a workplace setting. However, as this is a clinical work place setting students must be aware of the privacy and confidential issues that are associated with working in such an environment. Students undertaking pathology clinical placements must undertake Queensland Health Orientation training and sign deeds relating to workplace safety. The Students will be provided with a comprehensive clinical guidance manual upon enrolment.

BIO2107 CELL AND MOLECULAR BIOLOGY 1 (FHESC - UGRD) Semester 1 (ONC)Toowoomba Units 1.0 (Botany) Band Cell and Cell Biology Band 2 Pre-requisite: CHE2120 This course is offered in 2 modules: in the first, the course introduces the nature of gene organisation, replication and expression in both prokaryotic and eukaryotic systems. The course also provides an overview of molecular technologies including recombinant DNA techniques and standard molecular methods such as Western blot assays, PCR, FPCR and real-time PCR. These procedures underpin the study of the cellular mechanisms that are involved in microorganisms. The course provides an opportunity to apply molecular technologies to diagnose both viral and bacterial infections. It also introduces the concept of the cell cycle and apoptosis.

BIO2108 HAEMATOLOGY 1 (FHESC - UGRD) Semester 1 (EXT)Toowoomba (ONC)Toowoomba Units 1.0 (Pathology) Band 2 Pre-requisite: BIO2103 and BIO2104 This course builds on the foundational knowledge acquired in the haematology module of BIO1103 Pathology: Studies with a more in-depth study of normal haemopoiesis and haematological, qualitative and quantitative blood cell disorders, haemorrhagic and thrombotic disorders and haematological malignancies. Haematology 1 will also introduce the student to the use of specialised laboratory techniques including flow cytometry, cytogenetics, cytogenetics and molecular techniques in the diagnosis and monitoring of haematological disorders. The residential school component of the course will enable the student to practice the specialised laboratory skills required by clinicians and technicians working in a clinical haematology laboratory. In studying the interpretation of full blood counts and coagulation profiles and the microscopic assessment of blood film morphology, Haematology 1 will provide a solid background in the discipline to prepare students to undertake further advanced studies in BIO2107 Haematology 2 or to commence work in either a diagnostic or research setting. This course contains a mandatory residential school for both external and on-campus students.

BIO2118 SYSTEMS PHYSIOLOGY AND PHARMACOLOGY (FHESC - UGRD) Semester 1 (EXT)Toowoomba (ONC)Toowoomba Units 1.0 (Physiology) Band 2 Pre-requisite: BIO1203 This course builds on the first year foundational knowledge obtained in BIO2101 Physiology and Pharmacology 1 providing further learning in the physiology and pharmacology of the cardiovascular, renal, pulmonary, endocrine and nervous systems. This will prepare students to undertake further advanced studies in subsequent courses. This course contains a highly recommended residential school for both external and on-campus students (non-attendance will mean the student misses both an element for assessment preparation and an element of assessment).

BIO2119 NUTRITION AND METABOLISM 1 (FHESC - UGRD) Semester 2 (ONL)Toowoomba (ONC)Toowoomba Units 1.0 (Biochemistry and Cell Biology) Band 2 Co-requisite: CHE2130 Biochemistry of Nutrition provides an introduction to the biochemical basis of nutrition, focusing on the structure and function of the macromolecules (proteins, carbohydrates, lipids and nucleic acids) and the mechanisms by which nutrition affects health and can cause dysfunction and disease in the body. It will also introduce the concepts of metabolism, metabolic control and metabolic abnormalities that will be presented in greater detail in BIO2319.

BIO2120 TECHNIQUES IN COMPARATIVE PHYSIOLOGY 1 (FHESC - UGRD) Semester 1 (EXT)Toowoomba Units 1.0 (Comparative Biology Technology) Band 2 Pre-requisite: BIO2104 Techniques in Comparative Physiology 1 comprises a week of laboratory-based research school that instructs students to operate biomedical scientific and research instrumentation. This equipment and instruments are used to produce data that is analysed using quantitative skills such as generating standard curves and statistics. This course also provides an overview of the analytical instrumentation and analytical methods used in clinical laboratories and investigates the work health and safety issues associated with working in a clinical laboratory environment. This course will provide students with an overview of histology including modern protocols used for collection, preparation and examination of histological specimens. Module 2 addresses the principles of modern cytology, including protocols for cytological examination, will be detailed. The course will also outline the role of histopathologists in the diagnosis of various disease states and in patient care and management and provides information about safe practices in an anatomy/histology laboratory.

This course also provides an overview of the analytical instrumentation and analytical methods used in clinical laboratories and investigates the work health and safety issues associated with working in a clinical laboratory environment. This course will provide students with an overview of histology including modern protocols used for collection, preparation and examination of histological specimens. Module 2 addresses the principles of modern cytology, including protocols for cytological examination, will be detailed. The course will also outline the role of histopathologists in the diagnosis of various disease states and in patient care and management and provides information about safe practices in an anatomy/histology laboratory.

This course provides students with an opportunity to apply their specialised theoretical knowledge in a real-world clinical setting in preparation for future employment in a pathology laboratory. Students undertaking this clinical placement will gain organisational, time management and practical skills as they observe and participate in the day-to-day running of an analytical pathology department. This course encourages a reflective approach to the development of the student's workplace skills and will enable the student to make valuable professional connections with laboratory staff, potentially enhancing future employment prospects. Students intending to enrol in this course should communicate with the professional placement office well in advance of the first week of the semester so that the process of arrangement of a suitable placement can be managed in a timely manner. This course is offered in S2. The normal workload for this course is attendance of 13 days per semester. The details of the clinical placement are negotiated by the professional placements officer to suit the student's requirements and the pathology provider's capacity to accommodate the student. 1. Pathology Clinical placements Pathology clinical placements are an integral component of the Bachelor of Health (Medical Laboratory Science) program. The Pathology Clinical Placements enable students to gain practical experience in a workplace setting. However, as this is a clinical work place setting students must be aware of the privacy and confidential issues that are associated with working in such an environment. Students undertaking pathology clinical placements must undertake Queensland Health Orientation training and sign deeds relating to workplace requirements and privacy. The Students will be provided with a comprehensive pathology clinical placements guide upon enrolment.

BIO2121 HISTOPATHOLOGY AND CYTOLOGY 1 (FHESC - UGRD) Semester 2 (ONC)Toowoomba (ONC)Toowoomba Units 1.0 (Pathology) Band 2 Pre-requisite: BIO2110 This course provides students with an opportunity to apply their specialised theoretical knowledge in a real-world clinical setting in preparation for future employment in a pathology laboratory. Students undertaking this clinical placement will gain organisational, time management and practical skills as they observe and participate in the day-to-day running of an analytical pathology department. This course ensures a reflective approach to the development of the student's workplace skills and will enable the student to make valuable professional connections with laboratory staff, potentially enhancing future employment prospects. Students intending to enrol in this course should communicate with the professional placement office well in advance of the first week of the semester so that the process of arrangement of a suitable placement can be managed in a timely manner. This course is offered in S2. The normal workload for this course is attendance of 13 days per semester. The details of the clinical placement are negotiated by the professional placements officer to suit the student's requirements and the pathology provider's capacity to accommodate the student. 1. Pathology Clinical placements Pathology clinical placements are an integral component of the Bachelor of Health (Medical Laboratory Science) program. The Pathology Clinical Placements enable students to gain practical experience in a workplace setting. However, as this is a clinical work place setting students must be aware of the privacy and confidential issues that are associated with working in such an environment. Students undertaking pathology clinical placements must undertake Queensland Health Orientation training and sign deeds relating to workplace requirements and privacy. The Students will be provided with a comprehensive pathology clinical placements guide upon enrolment.
This course will examine the concept of functional foods, that is how they survive and grow from fetal life to old age. These essential components of our diet include phytochemicals, vitamins, minerals, and other bioactive molecules that can provide health benefits beyond basic nutrition.

Pre-requisite: BIO1810 and CHE2810

BIO2810 NUTRITION AND HEALTH (FHEC - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Nutrition and Dietetics) Band 2
Pre-requisite: BIO2810 and CHE2810

This course examines the foods that are essential for the body to survive and grow from fetal life to old age. These essential components of our diet include phytochemicals, fats, and proteins and micronutrients such as vitamins and minerals. In addition, this course will examine how food can be used to prevent or reverse disease, in addition to pre-surgical nutrition.

Pre-requisite: BIO2106

BIO3107 HAEMATOLOGY 2 (FHEC - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Pathology) Band 2
Pre-requisite: BIO2106 and BIO2217

This course builds on the introduction to Transfusion Science presented in BIO2108 Haematology 1. This course will provide students with a solid understanding of the theory and practice of pre-transfusion testing and the procedures involved in the provision of compatible blood products for patients requiring transfusion of red blood cells, platelets and fresh and frozen plasma products. This course will also explore the pathogenesis and associated laboratory investigations of autoimmune haemolytic reactions, haemolytic disease of the foetus and newborn and other serious hazards of transfusion. The isolation, assessment, storage and use of haemopoietic stem cells in transplantation procedures is also explored. The course is designed to enable graduates to commence work in a transfusion laboratory.

Pre-requisite: BIO2106 or BIO1103 and BIO2108

BIO3201 EXTREME PHYSIOLOGY AND PHARMACOLOGY 2 (FHEC - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Biological Sciences) Band 2
Pre-requisite: BIO2218

This course builds on BIO2119 Human Physiology and Pharmacology 1 and BIO2218 Human Physiology and Pharmacology 2. The course will develop an understanding of the changes in functioning of the human body in disease states.

Pre-requisite: BIO2119 Human Physiology and Pharmacology 1 and BIO2218 Human Physiology and Pharmacology 2.

This course provides students with an opportunity to obtain further advanced practical biomedical sciences skills necessary to support their activity in a working laboratory or research setting. Candidates will augment their specialised subject knowledge and academic skills with practical skills. This course will allow students to improve their learning by the application of the theoretical concepts and skills into a laboratory setting. This course contains a mandatory residential school.

Pre-requisite: BIO1103 and BIO2217

BIO3306 MICROBIOLOGY AND IMMUNOLOGY 3 (FHEC - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Microbiology) Band 2
Pre-requisite: BIO2206

This course further develops concepts provided in BIO2106 Medical Microbiology and Immunology 2. The course focuses on the nature, diagnosis and control of infectious diseases with particular emphasis on diseases in humans caused by bacteria. The course is aimed at enhancing the student's understanding of bacterial pathogens at the molecular level. Areas of specific emphasis include the nature of bacterial virulence factors, antibacterial therapy and mechanisms of resistance, paradigms in microbial-host interactions and a system approach to clinical infectious disease syndromes. The course also aims to provide an awareness of a range of viral, fungal and parasitic infections occurring in humans. A detailed analysis of the human immune system is provided to ensure the student has a sound foundation in concepts of human responses to infectious and non-infectious insults.

Pre-requisite: BIO2106
About this document

This document provides a description of the University of Southern Queensland's curriculum and course offerings. The text includes course descriptions, prerequisites, and details about the structure of the academic year. It covers various fields of study, including science, human diseases, business research, and human relations. The document is designed to help students and faculty understand the requirements and expectations for different courses and programs. The text is organized into sections for easy navigation, and it is accessible to students and the general public.
CDS2000 ETHICAL ISSUES AND HUMAN RIGHTS IN THE HUMAN SERVICES (FHEC - UGRD)

Semester 1 (ONC) (On-campus) (ONL) (Toowoomba)
Units 1.0 (Welfare Studies) Band 1
Pre-requisite: CDS2000

This course introduces students to the main ethical, legal, and social justice issues and challenges that are integral to work in government and non-government human service organisations located in the Social Security and Welfare Studies program. While considering a variety of ethical approaches to ethical theory and moral philosophy, students will focus on concrete, based, and oppressive approaches to human services practice.

CDS2002 FIELD PLACEMENT A (FHEC - UGRD)

Semester 1 (ONL) (Toowoomba)
Units 1.0 (Counselling) Band 1
Pre-requisite or Co-requisite: CDS2000

This course will allow students with the opportunity to observe and experientially learn how to integrate and apply human services theory into practice. This course will also prepare the student to meet professional and legal standards. This course will cover therapeutic approaches to the assessment of clients. The course will build on core concepts in counselling and integrates these within a core trans theoretical model of counselling. Students learn about various treatment philosophies and approaches to currently presenting client issues. This course exposes both personal and professional self-exploration and development. This course contains a recommended residential school.

CDS2003 FIELD PLACEMENT B (FHEC - UGRD)

Semester 1 (EXT) (Toowoomba)
Units 2.0 (Counselling) Band 1
Pre-requisite: CDS2002 and CDS3001 and CDS3002 and CDS3004 and PSY3005 Pre-requisite or Co-requisite: PSY3100 and CDS3004

This course will allow opportunities for students to develop professional and clinical skills within a supervised agency setting. Students will be placed in a supervised, supportive and enriched environment. The course encourages students to develop independent professional and field work skills that will culminate in an assignment that leads to academic scrutiny. The objectives of the practicum are developed in conjunction with the host agency's supervisor and nominated by the designated member of the academic staff selected to supervise and evaluate the project. The Bachelor of Human Services (counselling major) is fully accredited by the Psychotherapy and Counselling Association of Australia Inc (PACFA).

CDS3000 COUNSELLING THEORY AND PRACTICE 1 (FHEC - UGRD)

Semester 1 (EXT) (Toowoomba)
Units 1.0 (Counselling) Band 1
Pre-requisite or Co-requisite: CDS3002

This course builds on Counselling Skills CDS3002 by training the students in two contemporary and popular models of counselling that pertains to the cognitive and solution orientation. Students will learn a collaborative competency based approach (Solution orientated/Narrative therapy) and Motivational Interviewing. Both approaches are particularly and suited to the orientation of being client directed in counselling. Solution Oriented therapy emphasizes a postmodern way of working with clients, and the Motivational Interviewing approach leans towards modernism and enables students to comfortably work in both context and medical model frameworks. This course contains a recommended residential school.

CDS3005 COUNSELLING THEORY AND PRACTICE 2 (FHEC - UGRD)

Semester 2 (EXT) (Toowoomba)
Units 1.0 (Counselling) Band 1
Pre-requisite: CDS3004

The student will understand the current place of counselling as a profession within the Australian context. will learn the functions and roles of receiving and providing to the counselling process, the role of the counsellor and the roles of the client. The course encourages students to develop independent professional and research skills. The course teaches students to develop the knowledge and skills to critically evaluate research and develop an understanding of core therapeutic principles. This course contains a recommended residential school.

CHE1110 CHEMISTRY 1 (FHEC - UGRD)

Semester 1 (ONC) (Toowoomba) (EXT) (ONL) (Toowoomba)
Units 1.0 (Chemical Sciences not elsewhere) Band 2

This course introduces the chemical elements and themes. Topics include atomic theory, formulae, valency, chemical equations, periodic table, chemical bonding, structure of the atom, chemical reactions, thermodynamics, and, acids and bases. This course has a graded laboratory component. This course contains a highly recommended residential school for external students and highly recommended on-campus laboratories for on-campus students. (non-attendance will mean the student misses both an assessment for preparation and an element of assessment).

CHE2120 CHEMISTRY 2 (FHEC - UGRD)

Semester 2 (EXT) (Toowoomba) (ONC) (Toowoomba)
Units 1.0 (Chemical Sciences not elsewhere) Band 2
Pre-requisite: CHE1110

This course addresses the important basic principles and concepts of physical, inorganic and organic chemistry. The course covers electrochemistry, coordination chemistry, reaction kinetics, organic functional groups, IUPAC naming, basic stereochemistry, and simple reactions. This course has a graded laboratory component. This course contains a highly recommended residential school for external students and highly recommended on-campus laboratories for on-campus students. (non-attendance will mean the student misses both an assessment for preparation and an element of assessment).

CHE2810 FOOD CHEMISTRY (FHEC - UGRD)

Semester 1 (ONC) (On-campus) (ONL) (Toowoomba)
Units 1.0 (Chemical Sciences not elsewhere) Band 2

This course is focused on the chemistry of food with a particular emphasis on water, carbohydrates, lipids and proteins. This course will explore the relationships between these molecules in relation to the stability and the possibility to maintain high quality food. Other minor components such as flavour, vita min, minerals, food additives and toxic substances will also be examined.

CHE2820 PRINCIPLES OF FOOD ANALYSIS (FHEC - UGRD)

Semester 2 (ONC) (Toowoomba) (ONL) (Toowoomba)
Units 1.0 (Chemical Sciences not elsewhere) Band 2

This course introduces students to core concepts in food analysis and integrates these within a core trans theoretical model of counselling. Students learn about various treatment philosophies and approaches to currently presenting client issues. This course exposes both personal and professional self-exploration and development. This course contains a recommended residential school.

CIS1000 INFORMATION SYSTEMS CONCEPTS (FBELA - UGRD)

Semester 1 (ONC) (Springfield) (ONC) (Toowoomba) (ONL) (Toowoomba)
Units 2.0 (Information Systems) Band 2

This course provides business, commerce and information technology practitioners with the opportunity to explore core information systems concepts, within the context of business and information technology, to enable effective application of business information systems as support tools within their profession. Participants will explore core concepts of business information systems, and will be able to develop a range of business information systems practical skills. Participants will also be able to communicate the findings from these information systems to appropriate audiences. Participants will apply their knowledge of core information systems concepts through multiple, short answer and case study based critical thinking questions within an examination context. NOTE: Learners undertaking this course are required to manage their time to ensure they complete all required work as per their study schedule. Core skills learnt in this course will be assumed as part of subsequent courses in business, commerce and information systems.

CIS1101 BUSINESS ONLINE (FBELA - UGRD)

Semester 1 (ONC) (Springfield) (ONC) (Toowoomba) (ONL) (Toowoomba)
Units 3.0 (Information Systems) Band 2

This course provides the student with the essential elements pertaining to the conduct of business online together with its implications throughout the modern business environment. Participants will explore the various business models that are used within electronic commerce, technology concepts, identify marketing issues, and discuss various ethical issues associated with electronic commerce. Students will also obtain an understanding of payments systems, security and legal issues, government policies, mobile commerce and other future trends relating to electronic commerce. Students enrolling in this course must have IBM or IBM compatible hardware and software and must have access to the Internet. Formerly ELC1101.

CIS2000 SYSTEMS ANALYSIS AND DESIGN (FBELA - UGRD)

Semester 2 (ONC) (Springfield) (ONC) (Toowoomba) (ONL) (Toowoomba)
Units 3.0 (Information Systems and Design) Band 2

This course will study contemporary information systems analysis and design methods and techniques in context of the information systems development lifecycle. Students will explore the information systems requirements, design appropriate information systems solutions and develop an understanding of key concepts and issues concerning the implementation and maintenance of information systems. Students need to develop the knowledge and skills for determining requirements and design and project management of information systems solutions. Typical business information systems terms will be studied in real world case studies which will require students to develop effective listening and reading skills. A CASE tool will be used by students for various aspects of systems modelling and project management techniques. Students will be assessed on their understanding of key concepts and their ability to apply and communicate effectively contemporary systems analysis and design methods and techniques to real world problems in the assignments and the final examination.

CIS2002 DATABASE DESIGN AND IMPLEMENTATION (FHEC - UGRD)

Semester 1 (ONC) (Springfield) (ONC) (Toowoomba) (ONL) (Toowoomba)
Units 3.0 (Database Management) Band 2

This course focuses on the design and implementation of relational database management systems and includes extensive exposure to Oracle SQL. Practical methodologies for data analysis, data modelling and database design and development is covered. This course provides an introduction to how to write effective SQL statements that will be used in the design of high quality database systems. Other topics include the use of data models and data normalization, the use of data dictionaries for database conceptualisation, the use of CASE tools and the implementation and design of high quality database systems. The course covers the design of data models and data normalization, the use of data dictionaries and the use of CASE tools.

CIS2010 DATABASE CONSTRUCTION AND MANAGEMENT (FHEC - UGRD)

Semester 2 (ONC) (Springfield) (ONC) (Toowoomba) (ONL) (Toowoomba)
Units 3.0 (Database Management) Band 2

This course introduces students to core concepts in core concepts in counselling and integrates these within a core trans theoretical model of counselling. Students learn about various treatment philosophies and approaches to currently presenting client issues. This course exposes both personal and professional self-exploration and development. This course contains a recommended residential school.
CIS2003 COMPONENT BASED SOFTWARE DEVELOPMENT (FHESC - UGCR) Semester 2 (ONC)Toowoomba (EXT)Toowoomba Units 1.0 (Information Systems not elsewh) Band 2 Pre-requisite: CIS1401

This advanced programming course uses Microsoft’s .NET to build upon the solid foundations gained in previous programming courses. It further develops object-oriented programming skills that may be applied on projects, intranets, and/or the internet applications development. The course curriculum expands upon interface design concepts and practice to include Web interfaces; explores advanced database manipulation; uses object-oriented methodology; creates enterprise level applications to be expanded into a component based internet programming; explores integration of legacy applications with new technologies, and includes an introduction to mobile wireless services.

CIS2005 PRINCIPLES OF INFORMATION SECURITY (BFELA - UGRD) Semester 2 (ONC)Springfield (ONC)Toowoomba (ONL)Toowoomba Units 1.0 (Security Science) Band 2

This course focuses on developing key Business Analysis skills using contemporary methodologies. Requirements analysis and design, special topics, methods and tools, case studies and research report writing.

CIS3001 OBJECT-ORIENTED PROGRAMMING WITH JAVA (FHESC - UGCR) Semester 1 (ONC)Toowoomba (EXT)Toowoomba Units 1.0 (Information Systems not elsewh) Band 2 Pre-requisite: CIS2003

This course introduces the fundamentals of object-oriented methodology through the development of practical business solutions in an object-oriented environment.

CIS3002 BUSINESS ANALYSIS (BFELA - UGRD) Semester 1 (ONC)Toowoomba (ONL)Toowoomba Units 1.0 (Systems Analysis and Design) Band 2 Pre-requisite: CIS2000 or CIS2400

This course focuses on developing key Business Analysis skills using contemporary methodologies. Requirements analysis and design, special topics, methods and tools, case studies and research report writing.

CIS3003 NETWORKS AND DISTRIBUTED SYSTEMS (FHESC - UGCR) Semester 1 (ONC)Toowoomba (ONL)Toowoomba Units 1.0 (Networks and Communications) Band 2

This course seeks to broaden knowledge of telecommunications and networking fundamentals, as well as to provide a depth of understanding and networking concepts and the importance of network communication solutions. It covers the development of networking technologies and the role of network systems in the modern world. It is designed to give students a solid foundation for the development of practical business solutions in an object-oriented environment.

CIS3007 ENTERPRISE SOLUTIONS PROJECT (FHESC - UGCR) Semester 2 (ONL)Toowoomba Units 1.0 (Programming) Band 2 Pre-requisite: CIS3001 and CIS3002

Students will be working on an existing web based solution which must be completed in a team. The project will need to be set off, and redesigned and new objectives for the organisation.

CIS3008 INFORMATION TECHNOLOGY SERVICE MANAGEMENT (BFELA - UGRD) Semester 1 (ONC)Toowoomba (ONL)Toowoomba Units 1.0 (Information Systems not elsewh) Band 2

This course provides business and IT practitioners with the opportunity to explore core information systems concepts, within the context of business and information technology, to enable effective application of business information systems as support tools within their profession. Participants will explore core business information systems concepts and will be able to develop a range of information systems practical skills. Participants will gain an understanding of enterprise information systems to appropriate audiences. Participants will apply their knowledge of core information systems concepts through a structured report developed for a specified audience and through short answer and case study based critical thinking questions within an examination context. NOTE: Learners undertaking this course are required to apply their knowledge of core information systems concepts through an additional report developed for a specified audience and through short answer and case study based critical thinking questions within an examination context.

CIS3010 ORACLE DEVELOPMENT (FHESC - UGCR) Semester 2 (EXT)Toowoomba (ONC)Toowoomba Units 1.0 (Database Management) Band 2 Pre-requisite: CIS2002

This course complements CIS2002 and is an important focus in the architecture of the Oracle DBMS and procedural database programing in the Oracle environment. Students will extend and develop their critical knowledge of key topics and trends in database theory and practice, often in alignment with the applied coverage of Oracle. Beginning with a rapid review of SQL, the course moves into an in-depth coverage of PL/SQL, Oracle’s procedural extension to SQL.

CIS3011 INFORMATION SYSTEMS INDUSTRY PROJECT (FHESC - UGCR) Semester 2 (ONL)Toowoomba Units 1.0 (Information Systems not elsewh) Band 2 Pre-requisite: CIS2002

Students are given as much freedom as possible in the choice of a project. A student may propose a project or undertake a project nominated by the examiner. A project must be completed by a student as a team project. All projects will complement the other courses in the information technology management major by practically integral ing them into a major project. Each student will demonstrate a higher level of understanding towards project management through development of project management, and involvement in project planning, and control. Each student will also need to demonstrate a capacity to work successfully in a team project, and advanced written and verbal communication skills in a team project.

CIS3100 MANAGEMENT OF BUSINESS ONLINE (FBELA - PGRD) Semester 2 (ONL)Toowoomba Units 1.0 (Information Systems) Band 2 Co-requisite: CIS1500

This course provides the student with the essential elements pertaining to the conduct of business online together with its implications upon the commercial environment. The course will introduce students to the various business models that are used within electronic commerce, technology concepts, identify marketing issues, and discuss the legal and ethical issues associated with electronic commerce. Students will also obtain an understanding of payments systems, security and technical issues related to electronic commerce. Students enrolling in this course will be required to have access to the Internet.

CIS5200 PROFESSIONAL SKILLS FOR SYSTEMS ANALYSIS (FBELA - PGRD) Semester 1 (ONC)Toowoomba (ONL)Toowoomba Units 3.0 (Information Systems) Band 2 Co-requisite: CIS5100

The students will study contemporary information systems analysis and design methods and techniques. Students will be assessed on their understanding of key concepts and their ability to apply and adapt effectively contemporary information systems analysis and design methods and techniques to real world problems in the assignments.
This course provides business and IT practitioners with the knowledge of service management fundamentals, and process management including process modeling, measurement, and improvement. It will address practical knowledge of IT service management and business models and frameworks such as ITIL and ISO/IEC 20000. The course will also consider how the existing networking infrastructure can adapt to meet organisational challenges.

Semester 1 (ONC) Springfield (ONL) Toowoomba (ONL) Toowoomba (ONC) Semester 2 (ONL)

CIS8011 DIGITAL INNOVATION (FBELA - PGRD)

Semester 1 (ONC) Springfield (ONL) Toowoomba (ONL) Toowoomba (ONC) Semester 2 (ONL)

This course provides students with the ability to critically analyse and solve problems arising in complex organisational real-life situations.

CIS8001 DIGITAL ENTERPRISE (FBELA - PGRD)

Semester 1 (ONC) Springfield (ONL) Toowoomba (ONL) Toowoomba (ONC) Semester 2 (ONL)

This course is designed as an introduction to applied research for information systems professionals. Students cover the fundamentals of research relating to management information systems, and learn how to generate hypotheses, develop and implement research methodology, and report the results of research in written and oral communication. The course is designed to build foundational skills for students to successfully conduct applied information systems research that employs both quantitative and qualitative data analysis methods.

CIS8500 APPLIED RESEARCH FOR INFORMATION SYSTEM PROFESSIONALS

Pre-requisite: CIS8000

This course is designed as an introduction to applied research for information systems professionals. Students cover the fundamentals of research relating to management information systems, and learn how to generate hypotheses, develop and implement research methodology, and report the results of research in written and oral communication. The course is designed to build foundational skills for students to successfully conduct applied information systems research that employs both quantitative and qualitative data analysis methods.

CIS8511 APPLIED INFORMATION SYSTEMS RESEARCH PROJECT (FBELA - PGRD)

Pre-requisite: CIS8500

This version produced 1 Nov 2018.
duced to the basic concepts of soil mechanics that are widely used in engineering decisions in the design and construction of buildings, bridges, roads, and other structures. A working knowledge of soil mechanics is also essential for the design and construction of foundations in rock or soil. Many projects, such as dams, tunnels, and bridges, require an understanding of the behavior of soil and rock under various conditions.


to the overall aim of this course is to introduce a fundamental area of engineering design. The course covers the areas of construction techniques, construction management, and soil mechanics. The course is designed to provide students with a fundamental understanding of how basic principles of statics and mechanics of materials are applied in the analysis of structures.

CIV2505 CONSTRUCTION ENGINEERING (FHEC - UGRD)
Semester 1 (CIV2505) (ONC) (ONC) (ONL) (ONL) (ONC) (ONL) Students must be enrolled in one of the following Programs: GSC or GDST or GEOR or GCEN

The course covers the areas of construction management, construction technology, and soil mechanics. The course is designed to provide students with a fundamental understanding of how basic principles of statics and mechanics of materials are applied in the analysis of structures.

CIV2701 ROAD DESIGN AND LOCATION (FHEC - UGRD)
Semester 1 (CIV2701) (ONC) (ONC) (ONC) (ONC) (ONC) (ONC) Students must be enrolled in one of the following Programs: GCC or GCEN or GCSI

The course covers the areas of construction management, construction technology, and soil mechanics. The course is designed to provide students with a fundamental understanding of how basic principles of statics and mechanics of materials are applied in the analysis of structures.

This course provides an introduction to geotechnical and soil mechanics. Geotechnical information affects engineering decisions in the design and planning of structures, including foundations in rock or soil. Many projects, such as dams and tunnels, are built to support structures on these materials. A working knowledge of geotechnical design is therefore required by all engineering students. Students will also be introduced to the basic concepts of soil mechanics that are widely used in geotechnical engineering. The course examines the behavior of soil and rock under various conditions.

CIV2702 MUNICIPAL SERVICES (FHEC - UGRD)
Semester 1 (CIV2702) (ONC) (ONC) (ONC) (ONC) (ONC) (ONC) Students must be enrolled in one of the following Programs: GCC or GCEN or GCSI

This course covers the areas of construction management, construction technology, and soil mechanics. The course is designed to provide students with a fundamental understanding of how basic principles of statics and mechanics of materials are applied in the analysis of structures.

CIV2901 GEOLOGY AND GEOMECHANICS PRACTICE (FHEC - UGRD)
Semester 2 (CIV2901) (EXT) (ONC) (ONC) (ONC) (ONC) Students must be enrolled in one of the following Programs: GCC or GEOR or GCSI

This course provides an introduction to geotechnical and soil mechanics. Geotechnical information affects engineering decisions in the design and planning of structures, including foundations in rock or soil. Many projects, such as dams and tunnels, are built to support structures on these materials. A working knowledge of geotechnical design is therefore required by all engineering students. Students will also be introduced to the basic concepts of soil mechanics that are widely used in geotechnical engineering. The course examines the behavior of soil and rock under various conditions.

CIV3006 CONCRETE STRUCTURES (FHEC - UGRD)
Semester 1 (CIV3006) (ONC) (ONC) (ONC) (ONC) (ONC) (ONC) Students must be enrolled in one of the following Programs: GCC or GEOR or GCSI

This course provides an introduction to geotechnical and soil mechanics. Geotechnical information affects engineering decisions in the design and planning of structures, including foundations in rock or soil. Many projects, such as dams and tunnels, are built to support structures on these materials. A working knowledge of geotechnical design is therefore required by all engineering students. Students will also be introduced to the basic concepts of soil mechanics that are widely used in geotechnical engineering. The course examines the behavior of soil and rock under various conditions.

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CIV3602 CONSTRUCTION METHODS (FHEC - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Construction Engineering) Band 2
This course covers the preliminary works and site establishment activities. It introduces the reader to the structural and design aspects of foundations with an emphasis on soil stabilization techniques. The production and use of common construction materials and discusses some associated quality control and construction techniques.

CIV3703 TRANSPORT ENGINEERING (FHEC - UGRD)
Semester 2 (ONL)Springfield (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Transport Engineering) Band 2
The planning, construction and operation of civil engineering works is critical to the wellbeing of societies within the modern world. It is important that the graduate civil engineer has a broad understanding of the role and planning of transport systems. As the majority of civil engineers working in the transport sector are concerned with road transport, a greater emphasis will be placed on this mode of transport. Students of this course will be assumed to have a basic understanding of statistical techniques, spreadsheet use, soil mechanics, engineering materials and technical drafting skills.

CIV3906 CIVIL MATERIALS PRACTICE (FHEC - UGRD)
Semester 1 (ONC)Springfield (ONC)Toowoomba
Units 3.0 (ExT)Toowoomba
Pre-requisite: MATH2012 or ENGR1001 or Students must be enrolled in one of the following programs: ADCT or BCON or BCNH or GDNS
This course will involve the student in the investigation of the range of materials commonly used in civil engineering. The characterization of materials and the need for material parameters for design will be considered in the laboratory. Emphasis will be placed on establishing material properties. Presentation and interpretation of test results will also form an important part of the course. This course contains in-class instructional materials and is mandatory on-campus laboratories or practical classes for on-campus students.

CIV3907 CIVIL SYSTEMS PRACTICE (FHEC - UGRD)
Semester 2 (ExT)Toowoomba
Units 0.0 (Transport Engineering) Band 2
Pre-requisite: CIV2503 or Students must be enrolled in one of the following programs: GCEN or PGCN or METC or MEPR or GCNS or GDNS or MENS or MENC or MAEN
This course is a practical introduction to this approach. Elementary building blocks and theory covered in previous courses will be combined to form a comprehensive and practical approach to the way in which structures are designed. The student will be encouraged to work both individually and in teams. This oral and written presentation will be in the form of a project report to the client that will address the issues discussed in the above course. This course contains a mandatory residential school.

CIV4008 CIVIL DESIGN PRACTICE (FHEC - UGRD)
Semester 2 (ExT)Toowoomba
Units 0.0 (Structural Engineering) Band 2
Pre-requisite: CIV4008 or Students must be enrolled in one of the following Programs: MEPR or GCNS or MENS
In this course, students will work as part of a design team with other students. A multi-faceted design topic will be suggested in the form of a project brief in the first week of the course. Each team will work towards an improved design and group presentation of this design to the other teams. This oral and written presentation will be in the form of a preliminary design report to the client that will address the issues discussed in the above course. This course contains a mandatory residential school.

CIV5704 ROAD AND STREET ENGINEERING (FHEC - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Transport Engineering) Band 2
This course introduces the theory, principles and techniques of traffic engineering, with the focus on road traffic flow theory and analysis. The course content is concentrated in traffic flow theory: traffic density, traffic data collection and analysis: design, capacity analysis, signalized interaction: evaluation of performance and level of service: introduction to the public transportation system, and strategies for transportation system management.

CIV5705 PAVEMENT DESIGN AND ANALYSIS (FHEC - PGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Transport Engineering) Band 2
Pre-requisite: CIV3703 or Students must be enrolled in one of the following programs: GCNS or GCEN or MENS or PGCN or GCEN or MEPR
This course presents various analytical computer tools for the design and analysis of various heavy-duty pavements. The course develops the principles and techniques of pavement design and analysis to provide a solid graduate level foundation in advanced concepts and design criteria for analysis of pavement structure, pavement design, and pavement evaluation and maintenance.

CIV8801 CODE-BASED STRUCTURAL DESIGN (FHEC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Structural Engineering) Band 2
Structural engineering design is a continually evolving process. The development of computer analysis tools has had a massive impact on what engineers do in their daily work. Twenty or thirty years ago structural engineers needed proficiency in a wide range of manual calculation methods to analyze structures. A set of “design calculations” at the time was likely to include extensive pages of detailed numerical workings. Some argue that proficiency with such hand calculation methods remains useful to a design engineer but such skills are no longer necessary. Design today is essentially a sophisticated and informed understanding of how to model a structure in a computer so that the model conforms both with reality and with the expectations of the design codes. Using a process of learning by discovery, the student is guided through exercises of discussions and investigative computer modelling exercises. These demonstrate how very minor model changes can result in very different “answers”.

CIV9802 MECHANICS AND TECHNOLOGY OF FIBRE COMPOSITES (FHEC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Structural Engineering) Band 2
Pre-requisite: CIV9506 or BSCI2301 or Students must be enrolled in one of the following Programs: GCEN or GCNS or MENS or MEPR
This course provides an introduction to the design and analysis of composite materials and structures. Emphasis is placed on the development of meaningful computer aided design calculations that record modelling assumptions and the primary analysis output.

CIV9803 MECHANICS AND TECHNOLOGY OF FIBRE COMPOSITES (FHEC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Structural Engineering) Band 2
Pre-requisite: CIV9506 or BSCI2301 or Students must be enrolled in one of the following Programs: GCEN or GCNS or MENS or MEPR
Components and structures manufactured from fibre composites are used increasingly in a variety of industries. Composite materials have many desirable properties, including exceptional mechanical properties including high corrosion resistance, high strength to weight ratio, and they can be easily be optimised to suit any application. This course aims to provide students with knowledge of the governing principles of composites, characterisation, performance and other technical aspects of practical importance for practising engineers and scientists.

CIV9804 ADVANCED DESIGN PRACTICE USING FINITE ELEMENT ANALYSIS (FHEC - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Structural Engineering) Band 2
This course is concerned with the mechanics of "driving" a FEA package, using FEA output to develop a more sophisticated qualitative understanding of structural phenomena, and using quantitative FEA output to develop a more sophisticated quantitative understanding of structural phenomena. This leads to the student being able to define or to develop software (or to use FEA to construct such software) that analyses the behavior of a number of phenomena likely to have been introduced in an un-dergraduate course. The course includes a substantial amount of design relevant theory required to understand the analysis of plate and shell elements.

CL1120 CLIMATE AND ENVIRONMENTAL RISK MANAGEMENT (FHEC - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Atmospheric Sciences) Band 2
This course examines the theoretical foundation of climate change and variability and past and present climate change. The course will explore the tools that are available to assess risks on a local, state, national and international level. Certainties and uncertainties are introduced to the tools that are available to assess risks on a local, state, national and international level. Certainties and uncertainties are introduced to the tools that are available to assess risks on a local, state, national and international level. Certainties and uncertainties are introduced to the tools that are available to assess risks on a local, state, national and international level. Certainties and uncertainties are introduced to the tools that are available to assess risks on a local, state, national and international level. Certainties and uncertainties are introduced to the tools that are available to assess risks on a local, state, national and international level. 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to have a basic understanding of problem solving approaches and within the built environment. Students of this course will be assumed a broad understanding of the nature and scope of construction work is critical to the well being of societies within the modern world. It is The planning, construction and operation of built environment works

CMG1002 RESIDENTIAL CONSTRUCTION: METHODS, MATERIALS AND MANAGEMENT (FHEC - UGRD)
Semester 2 (ONC) (ONS) (TOowoomba) Units 1.0 (Building not elsewhere classified) Band 2
Pre-requisite: CMG1001

Residential Construction - methods, materials and management course is provided to explain how single and two storey residences are constructed in Australia providing knowledge on methods of construction, materials used, and management strategies to achieve project success. The course is supported with a number of videos on main Australian residential construction projects.

CMG2001 JOB ORGANISATION (FHEC - UGRD)
Semester 2 (ONC) (ONS) (Toowoomba) Units 1.0 (Building Construction Management Band 2)
The course outlines the principles of modern civil engineering and building management systems in the light of objectives, the preparation of construction estimates and the preparation of construction programmes. Aspects of contract supervision are examined, including the use of the Australian Standard General Conditions of Contract. The unit supervision of construction work is conducted, including the aspects of job safety and industry relations.

CMG2002 COST MANAGEMENT: ESTIMATING, MEASUREMENT AND COST CONTROL (FHEC - UGRD)
Semester 1 (ONC) (ONS) (Toowoomba) Units 1.0 (Building Construction Management Band 2)
Pre-requisite: CMG1001 and ENG1100
This course focuses on estimating and measurement in depth including other cost management topics such as cost planning and control. Additionally, it will cover the measurement process for quantities using standard methods of measurement (both building and civil), including the pricing of quantities. Furthermore, the course will introduce the use of standard computer programs available for this purpose.

CMG3003 CONSTRUCTION PRODUCTION MANAGEMENT (FHEC - UGRD)
Semester 2 (ONC) (ONS) (Toowoomba) Units 1.0 (Building Construction Management Band 2)
Pre-requisite: CMG1002
The aim of this course is to provide a broad understanding of the procedures and processes, tools and techniques, strategies and tactics used for managing on-site construction operations from contract formation to completion in a team environment focusing on issues related to transaction-flow-value issues, short-term pull/push schedules, subcontractor management, productivity, architectural and engineering issues. Additionally, it covers on-site quality and safety management issues while also introducing building information modelling to understand its relevance to production management.

CMG3001 BUILDING AND CONSTRUCTION PROCUREMENT (FHEC - UGRD)
Semester 2 (ONC) (ONS) (Toowoomba) Units 1.0 (Construction Engineering Band 2)
Pre-requisite: CMG1001 and CMG2001
Graduate construction professionals need to be able to measure, estimate and control large construction and building works. This course seeks to develop the skills to effectively procure and control construction projects. Students of this course will be assessed to have a basic understanding and proficiency with contract law, construction management and mathematics.

CMG3002 CONTRACT ADMINISTRATION (FHEC - UGRD)
Semester 1 (ONC) (ONS) (Toowoomba) Units 1.0 (Building Construction Management Band 2)
Pre-requisite: LAW1101
This course aims to provide students with the basic principles and practice of contract administration for building construction projects in accordance with the conditions of contract. Common industry standard form contracts are used, exploring the principles and practice for administration of a construction contract. In particular, considerations of contract, role and responsibilities, parties to the contract, variations to the contract, the need to ensure the contract is deliverable, defects, practical completion of the works and dispute resolution procedures are covered.

CMG3002 CONTRACT ADMINISTRATION (FHEC - UGRD)
Semester 2 (ONC) (ONS) (Toowoomba) Units 1.0 (Building Construction Management Band 2)
Pre-requisite: CMG1001 and CV12502 or Students must be enrolled in the following Program: MIEP
This course will cover knowledge related to circulated services - plumbing, gas, sewage, telecommunications, drainage, vertical transport (lifts and escalators), HVAC, BMS, lighting-acoustics, their real performance, comfort conditions, indoor air quality, including design and installation principles. In doing so. the course will cover single buildings, multiple tenancy buildings, high-rise buildings, and residential subdivision development. All of the materials and management strategies adopted will be covered.

CMG4901 CONSTRUCTION MANAGEMENT PRACTICE (FHEC - UGRD)
Semester 2 (EXT) (Toowoomba) Units 1.0 (Construction Engineering Band 2)
Pre-requisite: CMG4901
In this course, students will work as part of a team with other students, to take over the running a small construction company for a period of two years, using the ARADUS Simulation software. During this time, a wide range of business and behavioural issues will be explored, including, the links between business strategy and operations, the subtle differences in response to specific strategies by different functional areas of the business (market, finance, production, marketing, human resources and production), identifying and assessing performance criteria, the role of leadership style in the context of a small enterprise, and decision making in formulating and pursuing achievable strategies; obtaining feedback for enhancing team performance; and, in individual what the impact of multiple projects on project and organisational performance, achieving high-performance teams and quality performance businesses. Each team will take on the various roles required to run the simulated business for the two year period and will work towards a group presentation to the other teams. This oral and written presentation will take the form of a professional standard, project report to the client that will address the issues discussed in the above rationale. This course contains a mandatory residential study.

CMS1000 COMMUNICATION AND SCHOLARSHIP (FBELA - UGRD)
Semester 1 (ONC) (ONS) (Toowoomba) Units 1.0 (Communication and Media Studies Band 1)
Pre-requisite: CMG1001 and ENG1100
This course introduces an understanding of the basic tools of communication and argumentation and examines the processes of critical thinking and the dynamics of interpersonal and group communication. Students will also gain the written, verbal and personal transactional skills essential to their role in a rapidly changing environment.

CMS1010 INTRODUCTION TO COMMUNICATION STUDIES (FBELA - UGRD)
Semester 1 (ONC) (ONS) (Toowoomba) Units 1.0 (Communication and Media Studies Band 1)
This course is a foundation course in Communication Studies. It introduces students to the study of a broad range of communication texts, forms and systems. Students will apply approaches to textual and discourse analysis, and develop skills in communications scholarship and critical thinking. This course provides an introduction to the understanding perspectives that emerge at a more advanced level in subsequent courses in the Communication and Media Studies major.

CMS1012 INTRODUCTION TO MEDIA STUDIES (FBELA - UGRD)
Semester 1 (ONC) (ONS) (Toowoomba) Units 1.0 (Communication and Media Studies Band 1)
This course is the foundation course in Media Studies. It introduces students to the study of a broad range of media texts and systems, developing skills in information literacy, media analysis, technology and media production. Students will apply theoretical approaches to develop a critical engagement with the media, but particularly with their roles as media consumers and, where relevant, media producers. The different features of this course is the one that the students will be involved in the Media industry during the course, where possible and applicable, students will be invited to hear from professionals from media industries.
COU5005 MENTAL HEALTH PRACTICE 2 (FHEC - PGRD)
Semester 2 (ONL) Toowoomba
Units 1.0 (Counselling) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: GCCO or GDON or MCCO or PDEV or GCHH or GDHH or MOHH

This course aims to contextualise mental health practice in historical and geographic terms. It introduces students to the theories, legislation, policies and standards that underpin mental health practice in Australia. Students will also gain an understanding of the rights of mental health consumers and their families, and how to optimise the participation of consumers in the services developed for their care and support. This course seeks to assist counselling practitioners who are working in the mental health sector, by developing their knowledge and understanding of the factors that govern the scope of practice of mental health professionals. They will be introduced to research in mental health, both as practitioners and for the purpose of undertaking research base courses at Master level. Students will examine their professional role within the context of transdisciplinary practice and current service delivery models and the evidence that supports such an approach.

COU5008 GROUP COUNSELLING PROCESSES AND PRACTICE (FHEC - PGRD)
Semester 2 (ONL) Toowoomba
Units 1.0 (Counselling) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: GCCO or GDON or MCCO or PDEV or GCHH or GDHH or MOHH

The course is divided into two parts. The first part concerns the theories and principles which underpin group processes and applications. Topics include history and theories of groups, in-clinic staging theories, and action and process models of group development. The various settings in which groups occur are also addressed, including how contextual factors influence group processes and outcomes. A range of individual difference and diversity factors are also discussed. The second part focuses on the interpersonal and intergroup aspects of group members. The second part of the course concerns skills development, especially in relation to (1) construction and (2) process management. As such counselling microskills are essential to encompass higher order practice competencies such as leveraging conflict and confrontation to stimulate learning and change. The ethical challenges of managing group mental health concerns is the focus of the key assessment and is embedded within each component of the course, and especially in the skills components. Students will have the opportunity to engage with the role of the group facilitator as a person and as a professional, in terms of how he or she can maintain per sonal boundaries in a dynamic and fluid group environment. All students will have the opportunity to develop discipline-specific skills required for assessment work, but the specific skills required are determined by individual's fields of study.

COU5009 COUNSELLING SKILLS AND APPLICATIONS (FHEC - PGRD)
Semester 1 (EXT) Toowoomba
Units 1.0 (Counselling) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: GCCO or GDON or MCCO or PDEV or GCHH or GDHH or MOHH

This course provides students with a thorough understanding of counselling processes and practices. It includes a specific focus on practical skills, based on counselling theory. The skills specifically addressed include core counselling microskills, such as observation, attending, encouraging, questioning, and reflection of content and feelings. Some of the more advanced influencing skills, such as empathic confrontation, exploration of meaning and values, interpretation, self-disclosure, and psychoeducation, are also developed in the course, given their role in behavioural change and the achievement of client goals. Students will also develop their ability to plan, structure, and manage a counselling session, including attention to ethical and contextual issues affecting the client and therapeutic process. Because there is a consistent focus on the nexus between the theories and the practice, students will be expected to produce high quality documents. In addition to theory and practical content, a significant component of the course will be the opportunity for students to engage in weekly online discussions, reflect on practice, and professional learning and growth. This course contains a mandatory residential school.

COU5010 COUNSELLING FRAMEWORKS (FHEC - PGRD)
Semester 2 (EXT) Toowoomba
Units 1.0 (Counselling) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: GCCO or GDON or MCCO or PDEV or GCHH or GDHH or MOHH

This course introduces students to the common factors of successful counselling. Students are introduced to the major psychological treatment models available and will identify and justify their own epistemological approach to developing a framework of practice. This course contains a mandatory residential school.

COU5011 COUNSELLING SUPERVISION/TEACHING PRACTICUM (FHEC - PGRD)
Semester 2 (EXT) Toowoomba
Units 1.0 (Counselling) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: GCCO or GDON or MCCO or PDEV or GCHH or GDHH or MOHH

The course targets the application of knowledge, evaluation of case examples and career planning. Students will be placed for the semester in either a supervision Focus or University Teaching focussed Practicum. In collaboration with the placement supervisor, students will engage in weekly case management discussions and submit evidence of supervision/teaching component files. Finally, students will learn about career pathways in their chosen domain and will develop a written plan to work towards the selected career or further educational goals.

COU5012 CONTEXTS OF MENTAL HEALTH COUNSELLING (FHEC - PGRD)
Semester 1 (ONL) Toowoomba
Units 1.0 (Counselling) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: GCCO or GDON or MCCO or PDEV or GCHH or GDHH or MOHH

This course aims to contextualise mental health practice in historical and geographic terms. It introduces students to the theories, legislation, policies and standards that underpin mental health practice in Australia. Students will also gain an understanding of the rights of mental health consumers and their families, and how to optimise the participation of consumers in the services developed for their care and support. This course seeks to assist counselling practitioners who are working in the mental health sector, by developing their knowledge and understanding of the factors that govern the scope of practice of mental health professionals. They will be introduced to research in mental health, both as practitioners and for the purpose of undertaking research base courses at Master level. Students will examine their professional role within the context of transdisciplinary practice and current service delivery models and the evidence that supports such an approach.
CSC2401 ALGORITHMS AND DATA STRUCTURES (FHESC - UGRD)
Semester 2 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Data Structures) Band 2
Pre-requisite: CSC2402 or Students must be enrolled in one of the following Programs: GDIT or GCSC or GDGS or GCEN or GEDT or METC or MCOT or MCTE or MPIT or MPR or MSBN or MSMS
This course addresses various data structures and techniques for algorithm design and analysis. It covers basic data structures such as lists, stacks, queues, trees and graphs within an Object paradigm. The design of various algorithms such as searching algorithms, sorting algorithms and graph algorithms is discussed. This course also addresses other topics such as recursive algorithms and complexity analysis.

CSC2402 OBJECT-ORIENTED PROGRAMMING IN C++ (FHESC - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Programming) Band 2
Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: GDIT or GCSC or GDGS or GCEN or GEDT or METC or MCOT or MCTE or MPIT or MPR or MSBN
This course extends the student's basic procedural design and pro- gramming knowledge into an object-oriented paradigm. The student will be expected to learn and apply the basic concepts of object-oriented design and programming, i.e., abstraction, inheritance, and polymorphism. The major component of the C++ language software engineering principles such as decomposition and component re-use will also be emphasised.

CSC2404 OPERATING SYSTEMS (FHESC - UGRD)
Semester 2 (ONC)Springfield (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Operating Systems) Band 2
Pre-requisite: CSC2401 or CSC2406 or have experience using Linux systems. Computer networks must be enrolled in one of the following Programs: GDIT or GCSC or GDGS or GCEN or GEDT or METC or MCOT or MCTE or MPIT or MPR or MSBN
This course covers the design and implementation of computer operating systems. The major components of operating systems - process management, memory management and file systems are covered in detail. This course uses the C programming language and the Linux Operating System to explore the major components of operating systems. Skills gained through this course will be readily transferable to other operating systems (including Windows and OSX) and pro- gramming languages.

CSC2406 WEB TECHNOLOGY 1 (FHESC - UGRD)
Semester 2 (ONC)Springfield (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Information Technology not elsewhere) Band 2
Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: GDIT or GCSC or GDGS or GCEN or GEDT or METC or MCOT or MCTE or MPIT or MPR or MSBN
This course covers the essential skills and knowledge required to create and maintain high quality web documents. The course will cover document design and preparation, as well as the more technical issues such as client-side scripting and input validation. Program material may only be available via the web. Practical classes will be provided for internal students only. As the course will use JavaScript as the programming language, prior experience with HTML is not required. However, both a general understanding of web design and basic experience with programming in a high level language is essential. Limited experience with using Linux/Unix is also recommended.

CSC2407 INTRODUCTION TO SOFTWARE ENGINEERING (FHESC - UGRD)
Semester 2 (ONC)Springfield (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Systems Analysis and Design) Band 2
Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: GDIT or GCSC or GDGS or GCEN or GEDT or METC or MCOT or MCTE or MPIT or MPR or MSBN
In this course the student will gain an understanding of the methods, tools and procedures of software engineering. Methods covered include a wide range of activities such as project planning, system and software requirements analysis, design, development, configuration management, testing, documentation and maintenance of software, including project management and specification narratives. It will be used throughout the course.

CSC2408 SOFTWARE DEVELOPMENT TOOLS (FHESC - UGRD)
Semester 2 (ONC)Springfield (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Systems Analysis and Design) Band 2
Pre-requisite: CSC2407 or Students must be enrolled in one of the following Programs: GDIT or GCSC or GDGS or GCEN or GEDT or METC or MCOT or MCTE or MPIT or MPR or MSBN
In this course, students will be introduced to a range of software development tools. Particular attention will be given to configuration management tools (used to build programs from component parts), and to the automated tools (e.g., compilers, linkers) that support the developers. The emphasis will be upon tools available under the Linux family of operating systems, though most of the tools are available under other operating environments. A range of the more commonly used general Unix tools will also be covered.

CSC3410 COMPUTATIONAL THINKING WITH PYTHON (FHESC - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Computer Science not elsewhere) Band 2
Pre-requisite: MCTE or MCOP or MPIT or MCTN
This course covers fundamental computational problem solving concepts, tools and methodologies. Students will learn how to select an appropriate data type and apply the most appropriate technical processes for a given problem. They will also learn how to develop modular code which conforms to the basic principles and practices of software engineering.

CSC3400 DATABASE SYSTEMS (FHESC - UGRD)
Semester 1 (ONC)Springfield (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Database Management) Band 2
Pre-requisite: CSC2402
This course covers the fundamentals of the relational model, relational languages, database design and query processing. It starts with a structured view of database systems, their history and application. The relational model is then covered in detail. Relational languages such as the relational algebra and calculus are discussed before introducing the SQL language. Then we cover the Entity-Relationship model and discuss how E/R diagrams are translated to the relational model. Topics on database design principles in this course further include functional dependences and normalization. Students will gain a good understanding of basic design theory and practice and be able to develop database systems and applications pro grammed on a DBMS.

CSC3403 COMPARATIVE PROGRAMMING LANGUAGES (FHESC - UGRD)
Semester 1 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Formal Language Theory) Band 2
Pre-requisite: CSC2402 or enrolled in CSC2402 at the same time as GDIT or GCSC or GDGS or GCEN or GEDT or METC or MCOT or MCTE or MPIT or MPR or MSBN
This course addresses the basic principles of programming lan guages. It emphasizes the structure and the semantics of program ming languages. It covers the major elements of languages such as types, objects, names, scopes, expressions, functions, procedures, parameters and control structures. Run-time storage management is also covered in detail. Students will gain a deep understanding of semantics of programming languages as well as their implementation.

CSC3407 NETWORK FUNDAMENTALS AND ROUTING (FHESC - UGRD)
Semester 1 (ONC)Springfield (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Networks and Communications) Band 2
Pre-requisite: CSC2402
This course will cover the following subjects:
- The fundamental issues of the internet, such as routing, addressing schemes as well as TCP/IP Internetworking.
- The first topic in the course is quality of service in the Internet, with particular emphasis on AQM's such as RED & ARED, and also the DiffServ standard for managing quality of service. Students will use the NS3 simulator (via a graphical user interface provided by the Network system) to gain an understanding of these topics. This second topic treated in wireless communication as used in 3G and 4G mobile phones and the 802.11 series of standards for wireless LANs. The assessment for this undergraduate course consists of assignments (50%) and a final exam (50%). Students must not enroll in this course but should take CSC3407 Wireless and Internet Technology instead.

CSC3426 SWITCHING, WIRELESS AND WAN TECHNOLOGIES (FHESC - UGRD)
Semester 2 (ONC)Springfield (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Networks and Communications) Band 2
Pre-requisite: CSC2406
This course builds on CSC2408 Wireless Technology 1 and covers the essential skills and knowledge required to create and maintain high quality web sites. The course will cover web server setup and management, as well as server-side programming of dynamically generated web sites. Course material may only be available via the web. While the course will use PHP as the programming language for server-side scripting, prior experience with it is not required. However, experience with programming in a high level language (e.g. JavaScript or others) is essential. Basic experience with using Linux/Unix is suggested.

CSC3501 PRINCIPLES OF DATA SCIENCE AND VISUALISATION (FHESC - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Computer Science not elsewhere) Band 2
Pre-requisite: MCTE or MCOP or MPIT or MSBN or MSMS
This course introduces virtual LANs as a tool to provide segmentation, privacy and security of LANs. Linux networking features are introduced to enhance the robustness of LANs. Network Address Assignment is discussed as a method to support Internet Protocol Version 4 (IPv4) network address space. It also focuses on WAN technologies which span large geographic areas. After completion of this course, the students will be able to describe and select appropriate WAN technologies; handle switches; routers and wireless routers with confidence.

CSC3413 NETWORK DESIGN AND ANALYSIS (FHESC - UGRD)
Units 2 (ONC)Springfield (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Networks and Communications) Band 2
This course will provide the student with the following subjects: understanding network design and analysis including measurement, modelling and analysis of network performance including reliability, packet loss, throughput and delay, and security; network architecture including layering of networks; network design including dimensioning (deciding how fast many of the links should be), routing design (where traffic should go), topological design (where to put new links) and security (authen tication, biometrics, firewalls). In addition, students will tackle a series of example problems of network analysis and design of increasing complexity.
This page contains information about various courses offered by the University of Southern Queensland, including course descriptions, prerequisites, and other details. The courses cover a wide range of topics, from computer science to information technology, and are designed to meet the needs of students in various programs. The courses are intended for students with specific backgrounds and prerequisites, and are offered in different semesters and locations. The information on this page is intended to provide a snapshot of the offerings available at the university, and is subject to change.

**CSC5022 BIG DATA MANAGEMENT (FHESC - PGRD)**

**Course Code:** Semester 2 (ONL) Toowoomba (ONC) Toowoomba

**Units:** 1.0 (Computer Science not elsewhere) Band 2

Pre-requisite: Students must be enrolled in one of the following Programs: MCOP or MPIT or MCTE or MCOT or MENC or MEEC or MAMB or MBPH or MMBP or MGRS or MCOE or MEEF or MEEJ or MEPR or MENS or MENG or MRSE or METC or MCCR or MCMC or MCTN

This course is intended for students experienced in statistical analysis, experimental design, and basic systems design, and focuses on the coordination, management, and utilization of data using modern computer database management systems. The course covers the characteristics of large, distributed and efficient handling of data of any size, develops the pragmatics of managing data, alongside retrieval and analysis of information.

**CSC8407 WIRELESS AND INTERNET TECHNOLOGY (FHESC - PGRD)**

**Course Code:** Semester 1 (ONC) Toowoomba (ONL) Toowoomba

**Units:** 1.0 (Computer Science not elsewhere) Band 2

Pre-requisite: Students must be enrolled in one of the following Programs: MCOP or MPIT or MCTE or MCOT or MCMC or MCTN

The course covers the techniques of object-oriented programming in Java, and the characteristics of the Java programming language. The language features such as objects, packages, exception-handling and multithreading with concurrent programming are discussed. Java graphical user interface and animation tools are important parts of this course. The advanced topics such as secure programming and client-server and Remote Method Invocation (RMI) as well as Java Database Connection (JDBC) are introduced with an executable example.

**CSC8416 ADVANCED PROGRAMMING IN JAVA (FHESC - PGRD)**

**Course Code:** Semester 1 (ONL) Toowoomba (ONL) Toowoomba

**Units:** 1.0 (Programming) Band 2

Pre-requisite: Students must be enrolled in one of the following Programs: MCOP or MPIT or MCTE or MCOT or MCMC or MCTN

This course is intended for students experienced in statistical analysis, experimental design, and basic systems design, and focuses on the coordination, management, and utilization of data using modern computer database management systems. The course covers the characteristics of large, distributed and efficient handling of data of any size, develops the pragmatics of managing data, alongside retrieval and analysis of information.

**Consult the Handbook on the Web at [http://www.usq.edu.au/handbook/current](http://www.usq.edu.au/handbook/current) for any updates that may occur during the year.**

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CSC8426 ADVANCED WEB TECHNOLOGY (FHESC - PGRD)
Semester 2 (ONL)Toowoomba (ONC)
Units 1.0 (Information Technology not elsewhere) Band 2
Pre-requisite: CSC8426 and Students must be enrolled in one of the following Programs: MCOP or MPTT or MCTT or MEMT or MEMR or MEMS or MEST or MIST or MICT
This course builds on CSC8426 Web Technology 1 and conveys the essential skills and knowledge required to create and maintain high-quality web sites. The course will cover web server setup and management, as well as server-side programming of dynamically generated web sites. Course material may only be available via the web. Students will implement a data-driven website using PHP and SQL on the server side, utilizing JavaScript technologies such as AJAX on the client side. As such, prior experience with programming is essential.

CSC8480 COMPUTING COMPLEMENTARY STUDIES A (FHESC - PGRD)
Semester 1 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Computer Science not elsewhere) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: MCOP or MPTT or MCTT or MEMT or MEMR or MEMS or MEST or MIST or MICT
The course provides the opportunity for a student to pursue an area of study that will complement the other studies in the student’s program. Typically, the course will consist of specialized investigations extending knowledge and skills in a certain area. The study could involve, for example, directed readings, extension of the project (where appropriate), or some other approved activity to complement the student’s studies in the program. This course can be taken by either an honours or masters program student. In the latter case, students will need to undertake an Honours or Masters program wishes to undertake studies in this area. In such cases the proposed studies must be sought from the Department Postgraduate Coordinator.

CSC8490 COMPUTING COMPLEMENTARY STUDIES B (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Computer Science not elsewhere) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: MCOP or MPTT or MCTT or MEMT or MEMR or MEMS or MEST or MIST or MICT
The course provides the opportunity for a student to pursue an area of study that will complement the other studies in the student’s program. Typically, the course will consist of specialized investigations extending knowledge and skills in a certain area. The study could involve, for example, directed readings, extension of the project (where appropriate), or some other approved activity to complement the student’s studies in the program. This course can be taken by either an honours or masters program wishes to undertake studies in this area. In such cases the proposed studies must be sought from the Department Postgraduate Coordinator.

CSC8503 PRINCIPLES OF PROGRAMMING LANGUAGES (FHESC - PGRD)
Semester 1 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Formal Language Theory) Band 2
Pre-requisite: CSC8420 or enrolled in CSC8420 at the same time as CSC8503 or Students must be enrolled in one of the following Programs: GDIT or GCSC or MCTN
This course addresses the basic principles of programming lan
guages. It emphasises the structure and the semantics of programming 
language. It covers the major elements of languages such as 
types, objects, names, expressions, functions, procedures, 
parameters, control structures and run-time storage management.
This course introduces aspects of programming language translation 
such as lexical analysis, parsing, interpretation, and compilation.
Students will gain a deep understanding of semantics of programming 
languages as well as their implementation and apply this knowledge to 
analyse and evaluate existing programming languages.

CSC8507 NETWORKING TECHNOLOGIES (FHESC - PGRD)
Semester 1 (EXT)Toowoomba (ONC)Toowoomba
Units 1.0 (Networks and Communications) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: GDIT or GCSC or MCTN
This course addresses the layered structure of computer communi
cation networks. It focuses on networking basics, routers and routing 
basics and the most widely used TCP/IP protocol suite. After comple
tion of this course, students will have general knowledge about 
computer networking, some understanding of the practical 
calculating, managing routers, and TCP/IP internetworking. Students 
will also be able to describe the network functions, evaluate and justify 
networks, and device performance using the OSI model.

CSC8512 ADVANCED SYSTEM ADMINISTRATION (FHESC - PGRD)
Semester 1 (ONC)Toowoomba (ONC)Toowoomba
Units 1.0 (Information Technology not elsewhere) Band 2
Pre-requisite: Some experience with Unix Operating System and Students must be enrolled in one of the following Programs: GDIT or GCSC or MCTN
This course introduces students to the administration of computer 
systems and computer networks. Coverage includes system administra
tion tools, security techniques, system installation, resource 
management, backups, performance measurement, and network 
and security administration. Further topics include database 
management, disaster recovery, and security administration.

CSC8513 NETWORK PERFORMANCE ANALYSIS (FHESC - PGRD)
Semester 2 (ONC)Toowoomba (ONC)Toowoomba
Units 1.0 (Networks and Communications) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: GDIT or GCSC or MCTN
This course will cover the following subjects: queueing theory, perfor
mance analysis of computer networks including measurement, 
modelling and analysis of network performance including reliability 
and QoS, network and traffic engineering including bandwidth 
throughput and delay; and security; network architecture including 
layering of protocols and networks (including dimensioning deciding how fast/much of the links switches, routers and servers should be 
built, routing design (where traffic should go), topological design (where 
to put new links) and security (authentication, VLANs, firewalls).
Students will tackle a series of example problems of network analysis 
and designs of increasing complexity and by the end of the course 
will have a clear understanding of how the traffic levels and statistics.

CSC8522 SCALING AND CONNECTING NETWORKS (FHESC - PGRD)
Semester 2 (EXT)Toowoomba (ONC)Toowoomba
Units 1.0 (Networks and Communications) Band 2
Pre-requisite: CSC3467 or CSC8507 and Students must be enrolled in one of the following Programs: GDIT or GCSC or MCTN
This course introduces virtual LAN as a tool to provide segmentation, 
flexibility and scalability of local area networks. Access control lists 
are introduced as a measure for enterprise network security. Network 
Address Translation (NAT) is introduced as a method to resolve the 
Protocol Version 4 [ipv4] protocol address space. It also focuses on 
IANA technologies which spans large geographic areas.

CWR1001 WRITING GOOD PROSE (FBELA - UGRD)
Semester 2 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Written Communication) Band 1
Pre-requisite: CSC8507 and Students must be enrolled in one of the following Programs: GDIT or GCSC or MCTN
This course may also be used as an extension of existing undergrad 
uate or postgraduate courses in writing as a professional skill 
and as an introduction to advanced writing for professional 
and non-fiction, such as biographies and profiles. This course 
provides you with an introduction to a range of techniques for produc
ing effective and effective works of creative and professional writing 
that focus on representations of people. The course provides you 
with an opportunity to nurture your creativity and hone your 
skills as a writer. You will be guided through the process of producing a range 
of texts, including autobiography, biography, and short fiction.
The course will include producing a wide range of texts, 
including argumentative and persuasive writing, creative 
writing, and to practice independent analysis and reflect on complex problems 
related to the written word.

CWR2001 FAIRYTALES AND OTHER FORMS (FBELA - UGRD)
Semester 2 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Written Communication) Band 1
Pre-requisite: CWR1001
This course will equip students with a range of skills required in the workforce, and in particular, in the areas of business and professional writing, including interpreting the needs of clients and preparing written reports, proposals, and letters. The course is designed to help students develop competence and confidence in producing effective and effective works of creative and professional writing. The course will provide you with an opportunity to nurture your creativity and hone your skills as a writer. You will be guided through the process of producing a range 
of texts, including autobiography, biography, and short fiction. The course will include producing a wide range of texts, 
including argumentative and persuasive writing, creative 
writing, and to practice independent analysis and reflect on complex problems 
related to the written word.

CWR2002 WRITING ABOUT PLACE (FBELA - UGRD)
Semester 2 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Written Communication) Band 1
Pre-requisite: CWR1001
This course will equip students with a range of skills required in the workforce, and in particular, in the areas of business and professional writing, including interpreting the needs of clients and preparing written reports, proposals, and letters. The course is designed to help students develop competence and confidence in producing effective and effective works of creative and professional writing. The course will provide you with an opportunity to nurture your creativity and hone your skills as a writer. You will be guided through the process of producing a range 
of texts, including autobiography, biography, and short fiction. The course will include producing a wide range of texts, 
including argumentative and persuasive writing, creative 
writing, and to practice independent analysis and reflect on complex problems 
related to the written word.
Thesis, students will be required to select a research topic, develop independently conducted and written research. To successfully complete the Thesis, the student must complete all requirements as set by the Executive Dean and the Office of Research and Research Training prior to the commencement of research. Most topics are drawn from the student's work experience and interest; however it is recognised that the work of some students is not necessarily suited to that purpose and the Head of School and Faculty Research and Higher Degrees Committee then consider topics drawn from elsewhere if necessary. The Thesis will be a significant piece of independent and written research. To successfully complete the Thesis, students will be required to select a research topic, develop a proposal, carry out supervised research on the chosen topic using an appropriate research method, and present and defend the results.

This third year course immerses students in a close study of poetics and poetry, that is, in a deep study of how various textual strategies of classical and modern poetry contribute to the making of dreams, or visions, or style. The latter of these is the most significant strategy, being that which is known as “metrical verse” or “metrical poetry,” and the latter is the earliest, that of rhyming and non-rhyming, with the aim of developing a deep and critical understanding of, and appreciation for, their own voice, for their own poetic self.

This course offers critical approaches to writing an exegesis for creative arts practice. The course builds upon the Bachelor of Creative Arts Honours (or equivalent) and the Masters of Arts, as students gain an advanced understanding of creative arts research methods that can be critically applied to developing a substantial body of original creative work and an exegesis. The purpose of this course is for students to gain exposure to critical evaluation, analysis and reflection in practice-led research methodologies in order to enhance the quality of their original contributions to creative arts research. This course addresses a diverse range of creative arts research methods within historical, theoretical, cultural, ethical and contemporary practice contexts. The key learning outcome is an understanding of the scope of practice-led research from local to international contexts, and its application to individual creative work.

This two-unit course that contributes towards the Doctor of Business Administration Research Thesis. The Thesis comprises the research and writing of a Thesis. Students examine a professional area of interest, usually related to their work environment and are assisted by one or more supervisors with appropriate background. Each candidate for the research project is required to submit a research proposal to the Head of School. This will go to the Faculty Research and Higher Degrees Committee for approval and endorsement by the Executive Dean and the Office of Research and Research Training prior to the commencement of research. Most topics are drawn from the student's work experience and interest; however it is recognised that the work of some students is not necessarily suited to that purpose and the Head of School and Faculty Research and Higher Degrees Committee then consider topics drawn from elsewhere if necessary. The Thesis will be a significant piece of independent and written research. To successfully complete the Thesis, students will be required to select a research topic, develop a proposal, carry out supervised research on the chosen topic using an appropriate research method, and present and defend the results.

This two-unit course that contributes towards the Doctor of Business Administration Research Thesis. The Thesis comprises the research and writing of a Thesis. Students examine a professional area of interest, usually related to their work environment and are assisted by one or more supervisors with appropriate background. Each candidate for the research project is required to submit a research proposal to the Head of School. This will go to the Faculty Research and Higher Degrees Committee for approval and endorsement by the Executive Dean and the Office of Research and Research Training prior to the commencement of research. Most topics are drawn from the student's work experience and interest; however it is recognised that the work of some students is not necessarily suited to that purpose and the Head of School and Faculty Research and Higher Degrees Committee then consider topics drawn from elsewhere if necessary. The Thesis will be a significant piece of independent and written research. To successfully complete the Thesis, students will be required to select a research topic, develop a proposal, carry out supervised research on the chosen topic using an appropriate research method, and present and defend the results.

This course offers critical approaches to writing an exegesis for or live arts practitioners. This is a high-level baseline course that will provide students the research grounding and skills to best position their practice within a research context. Students will be offered the opportunity to investigate and gain greater awareness of the different aspects of arts and culture. The course aims to provide students with an understanding of the scope and application of Open Educational Resources, the course will embed the theme of student self-regulation of studying and learning. This will incorporate ideas, concepts and theories including academic self-efficacy, reflective practice and resilience.

This course provides instruction on the standard of English demanded by faculties and professional organisations. It will aim to improve grammar, sentence structure, logical argument and the oral and written presentation of ideas along with an enhanced ability to clearly understand written texts, whether they are academic or professional journals or texts specific to a discipline. Students will develop skills in detecting correct and incorrect usage and in clearly communicating ideas in standard contemporary English. The course will identify a number of errors that occur frequently in written English and will aim to make the student aware of basic style and bias in printed texts. Embedded within the course content will be the theme of student self-regulation of studying and learning. This will incorporate ideas, concepts and theories including academic self-efficacy, reflective practice and resilience.
DIP1004 MATHEMATICAL LITERACY (OAC - UGRD)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Semester 3 (ONL)Toowoomba
Units 1.0 (Mathematical Sciences not elsewhere classified) Band 2

In this course, students develop their ability to use mathematics in real-world contexts. They will learn mathematical skills, concepts and ideas that support the development of common mathematical powers such as problem solving and critical thinking.

EAP7307 ACADEMIC SPEAKING AND LISTENING (OAC - NONA)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 2.0 (English Language) Band 1

In this course, students develop their academic English skills in speaking and listening through a variety of interactive activities and tasks. They will practice academic speaking and listening in different settings and contexts, including presentations, discussions, and debates.

EAP7308 ACADEMIC READING AND WRITING (OAC - NONA)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 2.0 (English Language) Band 1

In this course, students develop their academic English skills in reading and writing through a variety of interactive activities and tasks. They will read and write in different genres and contexts, including essays, research papers, and reports.

EAP7320 WRITING TO LEARN (OAC - NONA)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (English Language) Band 1

This course focuses on developing students' abilities to write effectively in different genres and contexts, including essays, reports, and research papers.

EAP7330 ACADEMIC SPEAKING AND LISTENING SKILLS (OAC - NONA)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (English Language) Band 1

This course focuses on developing students' abilities to speak and listen effectively in different genres and contexts, including presentations, discussions, and debates.

EAP7340 CRITICAL READING SKILLS (OAC - NONA)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (English Language) Band 1

This course focuses on developing students' abilities to read and analyze academic texts, including essays, research papers, and reports.

EAP7350 POSTGRADUATE STUDY SKILLS (OAC - NONA)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (English Language) Band 1

This course focuses on developing students' abilities to study effectively and manage their time and tasks in postgraduate studies.

EAP7360 POSTGRADUATE RESEARCH SKILLS (OAC - NONA)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (English Language) Band 1

This course focuses on developing students' abilities to conduct research effectively and write research papers.

EAP7381 MATHEMATICAL AND COMPUTING LITERACY - LEVEL A (OAC - NONA)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (English Language) Band 1

This course focuses on developing students' abilities to use mathematical and computing skills in different contexts, including problem solving and data analysis.

EAP7382 MATHEMATICAL AND COMPUTING LITERACY - LEVEL B (OAC - NONA)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (English Language) Band 1

This course focuses on developing students' abilities to use advanced mathematical and computing skills in different contexts, including problem solving and data analysis.

EAP7383 MATHEMATICAL AND COMPUTING LITERACY - LEVEL C (OAC - NONA)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (English Language) Band 1

This course focuses on developing students' abilities to use advanced mathematical and computing skills in different contexts, including problem solving and data analysis.

EC1100 FOUNDATIONS OF EARLY CHILDHOOD (FBELA - UGRD)
Semester 1 (ONL)Springfield (ONL)Toowoomba
Semester 1 (ONL)Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5
Enrolment is not permitted in EC1100 if EDI0140 has been previously completed.

This course considers the broad range of factors that influence the provision of early childhood education and care in Australia. It covers themes such as family and community, children's rights, and ethical practices. It develops both intensive and extensive reading skills required for university studies. These include pre-reading, pre- writing, and pre-listening, applying pre-existing knowledge, contextualisation, vocabulary development, and the capacity to critically analyse and evaluate text.

ECP2200 RELATING WITH FAMILIES (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDU (Early Childhood) or BECH Enrolment is not permitted in ECP2200 if EDI0140 has been previously completed.

This course considers the broad range of factors that influence the provision of early childhood education and care in Australia. It covers themes such as family and community, children's rights, and ethical practices. It develops both intensive and extensive reading skills required for university studies. These include pre-reading, pre-writing, and pre-listening, applying pre-existing knowledge, contextualisation, vocabulary development, and the capacity to critically analyse and evaluate text.

ECT2100 EARLY CHILDHOOD CREATIVITY AND THE ARTS (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDU (Early Childhood) or BECH Enrolment is not permitted in ECT2100 if EDI0140 has been previously completed.

This course considers the broad range of factors that influence the provision of early childhood education and care in Australia. It covers themes such as family and community, children's rights, and ethical practices. It develops both intensive and extensive reading skills required for university studies. These include pre-reading, pre-writing, and pre-listening, applying pre-existing knowledge, contextualisation, vocabulary development, and the capacity to critically analyse and evaluate text.

The course considers how theoretically, empirically and ethically defensible responses to these issues might be formulated by members of the early childhood profession. The course also considers how creatively, ethically and responsibly to work with children and their families, and considers legal, ethical, social, and cultural factors that influence the provision of early childhood education and care in Australia. It covers themes such as family and community, children's rights, and ethical practices. It develops both intensive and extensive reading skills required for university studies. These include pre-reading, pre-writing, and pre-listening, applying pre-existing knowledge, contextualisation, vocabulary development, and the capacity to critically analyse and evaluate text.

ECT2200 RELATING WITH CHILDREN (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDU (Early Childhood) or BECH Enrolment is not permitted in ECT2200 if EDI0140 has been previously completed.

This course considers the broad range of factors that influence the provision of early childhood education and care in Australia. It covers themes such as family and community, children's rights, and ethical practices. It develops both intensive and extensive reading skills required for university studies. These include pre-reading, pre-writing, and pre-listening, applying pre-existing knowledge, contextualisation, vocabulary development, and the capacity to critically analyse and evaluate text.
and early literacy learning.

Early literacy experiences in the early years. Pre-service educators will also consider ways of working in partnership with families to support independence and competence in effectively communicating and managing their physical needs, and to extend children’s confidence in their multilingual and motor abilities. Pre-service educators will also consider ways of working in partnership with families to support children’s learning about health, physical activity and wellbeing.

ECM1100 EARLY MATHEMATICAL THINKING (FBELA - UGRD)

Semester 1 (ONL) Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5

Enrolment is not permitted in ECM1100 if ECM3200 has been previously completed.

This course provides an introduction to theories of language development and learning. The course focuses specifically on children’s language and literacy development in the years prior to school. Key topics include sociocultural communication and oral language development in infancy and early childhood will be explored, including aspects of embedded linguistic, representation and interactive communication. The role of symbolic and imaginative play in young children’s development of communicative skills, relational learning and meaning-making will be considered. The course will address the role of familial, cultural and educational contexts in providing a diverse range of language and literacy experiences in the early years. Pre-service educators will consider how the theories of language development and learning covered in the course inform pedagogic approaches to fostering young children’s development of oral language and early literacy learning.

ECL2200 ENGLISH CURRICULUM AND PEDAGOGY IN EARLY PRIMARY 2 (FBELA - UGRD)

Semester 1 (EXT) Toowoomba
Units 2.0 (Teacher Education: Early Child) Band 5

Pre-requisite: ECL2200

This course will focus on contemporary macroeconomic events and the history of analytical tools such as aggregate demand and aggregate supply, and IS-LM models as well as policy issues in closed and open economies. Emphasis is placed on the development of skills required for macroeconomic analysis in the context of business decision making and government policy.

ECL2000 THE MACRO-ECONOMY AND BUSINESS (FBELA - UGRD)

Semester 2 (ONL) Toowoomba
Units 1.0 (Economics) Band 3

This course focuses on contemporary macroeconomic events and the history of analytical tools such as aggregate demand and aggregate supply, and IS-LM models as well as policy issues in closed and open economies. Emphasis is placed on the development of skills required for macroeconomic analysis in the context of business decision making and government policy.

ECL2001 BUSINESS ECONOMICS (FBELA - UGRD)

Semester 1 (ONL) Toowoomba
Units 1.0 (Economics) Band 3

Microeconomics is part of the study of how the world works. It deals with business, household and government choices, the design and effects of policy and the efficiency and fairness of the way resources are used in a community. This course focuses upon a range of microeconomic principles, their use by economists in policy making and their relevance in the global economy. While drawing on the history of economic thought, it also assesses contemporary resource-use issues and developing an understanding of the economic way of thinking in relation to the allocation of resources.

ECL2100 AVIATION ECONOMICS (FBELA - UGRD)

Semester 2 (ONL) Toowoomba
Units 1.0 (Economics) Band 3

This course uses air transport examples to illustrate basic concepts related to supply and demand, costs, competition and market structures. Key topics in the field of aviation, including areas such as regulation and deregulation, open skies, airline alliances, pricing and revenue maximization, and law enforcement of low cost carriers. Topics are explored from an economic perspective, with the aim to help students develop microeconomic concepts and principles, giving them the chance to develop the types of problem-solving, critical thinking and communication skills required for success in the aviation industry.

ECL3002 ECONOMIC POLICY ANALYSIS (FBELA - UGRD)

Semester 2 (ONL) Toowoomba
Units 2.0 (Economics) Band 3

Pre-requisite: ECO1000

This course focuses on the role of the economist and policy analyst in the development, presentation and interpretation of economic policy advice. Apart from emphasizing applied economic analysis, the course also addresses the use of economic ideology and value judgments, the nature of decision-making in the Australian and other economies, the nature, extent and use of economic power and potential conflict among policy objectives. Students are required to complete a minor essay and a major essay as part of their assessment.
ECO3030 SUSTAINABLE ECONOMIES (FBELA - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Economics) Band 3
This course introduces students to a way of thinking about environmental problems and achieving sustainable economic development based on economic principles. The course provides a background to the study of resource and environmental economics by putting its concerns in the context of economic interdependence and social, political, and environmental concerns, and the fundamental characteristics of an economic approach to those problems and their assessment. Both macro and microeconomic principles and their application are core elements of this course. Both regulatory and market-based approaches are explored in an effort to protect natural resources and maintain economic growth. The course is designed to provide a broad contextual understanding of the interdependence of the natural and economic systems and to place upon the importance of environmental economic analysis in understanding the role of human activities in creating and solving environmental problems. This course will require students to work collaboratively and will involve the use of online resources and activities.

ECO5000 ECONOMICS FOR MANAGERS (FBELA - PGRD)
Semester 3 (ONL)Toowoomba
Units 1.0 (Economics) Band 3
This course introduces major problems threatening the planet earth: climate change, biodiversity, and the depleting resources. In doing so, we explore in more detail the economic assessment of environmental problems, and of the various means of dealing with them. This course will introduce students to the problem solving tools and strategies that are employed by economists to deal with these issues. The course will also consider the role that business and government can play in achieving sustainable development.

ECO1011 GLOBAL ISSUES IN SUSTAINABILITY (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Economics) Band 3
This course investigates major problems threatening the planet earth: climate change, biodiversity, and the depleting resources. In doing so, we explore in more detail the economic assessment of environmental problems, and of the various means of dealing with them. This course will introduce students to the problem solving tools and strategies that are employed by economists to deal with these issues. The course will also consider the role that business and government can play in achieving sustainable development.

ECO1012 METHODS FOR SUSTAINABLE DEVELOPMENT (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Mgt & Commerce not coal) Band 3
This course is concerned with the policy tools that governments use to promote sustainable development and how businesses and individuals may act to ensure that these tools are effective. The course will examine the role of government in promoting sustainable development and the role that businesses and individuals can play in promoting sustainable development.

ECP2200 CHILDHOOD RESILIENCE AND WELLBEING (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Semester 2 (ONC)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5
Enrolment is not permitted in ECP2200 if EDE4101 has been previously completed
This course assists early years educators in developing a deeper understanding of the important role of resilience in the development of resilient and self-regulated children. Early years educators will develop skills to identify the impact that ecological factors (risk, protective and contextual factors) have on a child’s resilience, social-emotional wellbeing and mental health. Contemporary research, evidence-based research, and examples of early childhood pedagogy and health promotion programs will be investigated to deepen students’ knowledge of innovative strategies to support the social and emotional wellbeing and learning of young children.

ECP2200 EARLY SCIENTIFIC THINKING AND INQUIRY (FBELA - UGRD)
Semester 1 (EXT)Toowoomba
Semester 2 (EXT)Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5
Pre-requisite: EDE3203 Students must be enrolled in one of the following Programs: BEDI (Early Childhood) or BECH Enrolment is not permitted in ECP3200 II EDE3210 has been previously completed
This course is designed to provide early years educators with a broad understanding and skills and dispositions young children utilise and develop as they connect with their environments and continue to grow as active participants in their family, community and society. Pre-service educators will interrogate the three strands of science, in accordance with the Australian Curriculum. Students will have upon the practice principles and learning outcomes of the national Early Years Learning Framework to present for infants through to the transition into the early years of school. Pre-service educators will examine pedagogical approaches, theoretical perspectives and research that assist them in developing an understanding of what inquiry looks like when planning for and assessing scientific understandings of young children. 20-day professional experience placement is attached to this course. For full details of the Professional Experience particulars, please refer to the Professional Experience website and the Professional Experience Book.

ECP4100 CURRICULUM AND PEDAGOGY IN THE EARLY YEARS OF SCHOOL (FBELA - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (EXT)Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5
Pre-requisite: ECC1220 or ECC1200 and ECC1710 and Students must be enrolled in one of the following Programs: BEDI (Early Childhood) or BECH Enrolment is not permitted if EDE4101 has been previously completed
Pre-service educators will develop the confidence and professional competence necessary to successfully implement and teaching environments using a repertoire of contemporary pedagogical approaches including brainstorming, problem-solving, cognitive mapping, guided inquiry, and cooperative learning. Emphasis will be placed on the development of authentic inquiry-based pro grams driven by student data with a strong focus on incorporating early childhood pedagogies and theoretical approaches to planning and decision-making processes. Curriculum priorities, initial policy and assessment strategies will be explored in the early years of school context. There will be a strong emphasis on the development of the pedagogical and professional competencies of inquiry designed to build teacher capacity and the formation of an effective teacher identity. A 25-day professional experience placement is attached to this course. The professional experience will commence with three days (pre-service educators are required to attend their professional placement one day per week during the three weeks leading to the block professional experience, 22 days). This Practice meets coursework focus upon the implementation of a data driven instruction cycle that provides feedback and Performance Assessment (TPS). For full details of the Professional Experience particular, please refer to the Professional Experience website and the Professional Experience Book.

EDC1100 CHILDHOOD DEVELOPMENT (BIRTH - 12 YEARS) (FBELA - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDI or BECH
This course provides an introduction to the key concepts and issues related to child and adolescent development and learning. The course provides an overview of the complex ways in which the brain develops and changes in physical, cognitive, and psychosocial dimensions of children and adolescents, and introduces key developmental psychology concepts (e.g. behaviourism, cognitivism, achievement motivation). Contexts such as family and educational settings, and the role of the early childhood education and care environment, will be explored. The course will also present current information about artificial intelligence, psychopathological patterns of development in childhood and adolescence, and developmental delays, which will serve as foundational knowledge for subsequent courses.

ECP1100 ECONOMICS AND THE ENVIRONMENT (FBELA - UGRD)
Semester 2 (ONL)Toowoomba
Semester 2 (ONC)Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5
Pre-requisite: ECO3030 and ECO3010 and Students must be enrolled in the following Program: BEDI
The aim of this course is to enable pre-service teachers to develop the key knowledge and skills needed for working effectively, collaboratively, in a range of educational stakeholders in a variety of contexts. Pre-service teachers will develop skills to identify opportunities and design and implement effective collaborative decision-making processes and frameworks to hypothetical scenarios. The course will require pre-service teachers to engage with professional, collaborative decision-making by referring to relevant theories and frameworks. The course builds upon theoretical foundations of collaborative practice to develop pre-service teachers’ knowledge and understanding as well as the ability to apply relevant skills associated with developing collaborative partnerships. Pre-service teachers will draw upon relevant literature and research, as well as relevant policies and procedures, to make decisions, then explain and justify their responses with reference to a range of specific scenarios.

EDC1400 THINKING AND ACTING LIKE A TEACHER (FBELA - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Semester 2 (ONL)Toowoomba
Semester 3 (ONL)Toowoomba
Units 1.0 (Teacher Education) Band 5
Pre-requisite: EPP1100 or EDP1110 and Students must be enrolled in one of the following Programs: BEDI (Primary) or BEDI (Primary Special Education) or BEDI (HPE Primary) or BEDI (SHPE Primary)
The first year second semester course provides the opportunity for pre-service teachers to attend contexts of practice and to develop their skills in teaching within a scaffolding process using mentor teachers and facilitating teachers. This course is strongly focused on the development of thinking skills, utilising elements of a Gradual Release of Responsibility model. They are carefully developed through experiential learning and using student performance to identify loci for future planning and teaching. Coursework focuses on the Australian Professional Standards for Teachers (APST) and includes a 10-day professional experience consisting of five specified single days and one or two full days for full details of the professional experience particulars, please refer to the Professional Experience website and the Professional Experience Book.

EDC2100 SUPPORTIVE LEARNING ENVIRONMENTS: CULTIVATING EFFECTIVE CLASSROOMS (FBELA - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Semester 2 (ONL)Toowoomba
Semester 3 (ONL)Toowoomba
Units 1.0 (Teacher Education) Band 5
Pre-requisite: EPP1100 or EDP1110 and Students must be enrolled in one of the following Programs: BEDI (Early Childhood) or BEDI (Primary) or BEDI (Primary Special Education) or BEDI (HPE Primary) or BEDI (HPE Primary) or BEDI (SHPE Primary) or BEDI (MOLT) or MOLT (Primary) Co-requisite: BEDI (Primary) Only - EPP3111
The aim of this pre-service course is to enhance teacher efficacy in the contemporary primary classroom. The course defines the class as the environment that affords teaching and learning. The introduction focuses on the links among relevant classroom management and learning. The course aims to assist teachers to develop an understanding of the interrelationships between learning environments and effective relational skills and the significance of interpersonal relationships in a school context. The course provides opportunities for the development of positive environments and proactive teaching and learning to promote learners’ self-regulation and wellbeing. Attention is given to effective teacher practice specific to the key elements of behaviour management: clear expectations, timely acknowledgement and appropriate correction. The course provides practical approaches to responding to challenging behaviours by identifying the causes and developing behaviour plans to support learners. A clear understanding of the function of school behaviour plans and how they in turn are developed is addressed.

EDC2200 FIRST NATIONS EDUCATION (CISER - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDI or BECH
The purpose of this course is to provide knowledge and understanding of Aboriginal and Torres Strait Islander Education including Indigenous histories, cultures and languages and to develop appropriate pedagogies for teaching Indigenous students. This course is designed in conjunction with Aboriginal and Torres Strait Islander learners, consultants of cultures, cultural identities and linguists. This course introduces initial pre-service educators to an understanding of themselves within this educational field; the historical, political, cultural, and social experiences of Aboriginal and Torres Strait Islander peoples; providing understanding of pedagogies and implications for implementation of Aboriginal and Torres Strait Islander studies in the curriculum; develops analytical and critical thinking skills and understanding of the professional and ethical responsibilities associated with the field of teaching for Aboriginal and Torres Strait Islander students. This course also promotes an understanding and appreciation for the diversity of cultural, linguistic and spiritual practices and knowledge of Aboriginal and Torres Strait Islander students.

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EDC2500 ASSESSMENT PRACTICES FOR SECONDARY EDUCATION (FBELA - UGRD)

Semester 1 (ONC) (Spr/Autumn) Toowoomba (ONL) Toowoomba
Units 1.0 (Teacher Education) Band 5
Pre-requisite: EDC4020 and Students must be enrolled in the following Program: BEDU
In this course, students will learn about the processes involved in assessing students in secondary education. The course will cover the principles and practices of assessment, including formative, summative, and diagnostic assessments, and how to apply these in the classroom. Students will engage in activities that simulate the process of planning, delivering, and evaluating learning outcomes.

EDC2400 EDUCATING LEARNERS WITH SPECIAL NEEDS ACROSS CONTEXTS (FBELA - UGRD)

Semester 1 (ONC) (Spr/Autumn) Toowoomba (ONL) Toowoomba
Semester 2 (ONC) (Spr/Autumn) Toowoomba (ONL) Toowoomba
Semester 3 (ONC) (Spr/Autumn) Toowoomba
Units 1.0 (Teacher Education) Band 5
This course will provide an overview of inclusive education for students with special needs, exploring strategies for teaching across different contexts. Students will learn about the theories and practices that support the education of learners with special needs, including how to adapt curriculum and instruction to meet the diverse needs of students. Special attention will be given to the role of collaboration with families, students, and communities in the education of learners with special needs.

EDC4000 PREPARING FOR THE PROFESSION (FBELA - UGRD)

Semester 1 (EXT) Toowoomba
Semester 2 (ONC) (Spr/Autumn) Toowoomba (ONL) Toowoomba
Units 1.0 (Teacher Education) Band 5
Pre-requisite: ECD4100 or EDE4100 or ECD4130 or EDS4401 and Students must be enrolled in the following Program: BEDU
This course is designed to help students prepare for the professional demands of the teaching profession. Students will learn about the role of the teacher, the legal and ethical responsibilities of teachers, and the importance of reflection in professional practice. The course will also cover how to plan and deliver effective lessons and collaborate with colleagues and students.

EDE2011 CONTEXTS FOR LEARNING AND DEVELOPMENT (FBELA - UGRD)

Semester 1 (ONL) Toowoomba
Semester 2 (ONL) Toowoomba
Units 1.0 (Teacher Education: Early Childhood) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDU (Early Childhood) or BECH
This course will focus on the socio-cultural, social, and emotional development of young children. Students will explore how children learn and interact in their environment and will learn how to create meaningful learning experiences for children in diverse settings.

EDC3009 LEADERSHIP AND PROFESSIONAL PRACTICES (FBELA - UGRD)

Semester 1 (EXT) Toowoomba
Semester 2 (EXT) Toowoomba
Units 1.0 (Teacher Education: Early Childhood) Band 5
Pre-requisite: ECD2000 and EDC4000 and EDC4100 and Students must be enrolled in one of the following Programs: BEDU (Early Childhood) or BECH
This course will enable students to develop the skills and knowledge necessary for leadership roles in education. Students will learn how to plan, implement, and evaluate educational programs and will gain experience in leading teams and managing resources.

EDE103 PERSPECTIVES OF EARLY YEARS CURRICULUM, PEDAGOGY AND PRACTICE (FBELA - UGRD)

Semester 1 (ONC) (Spr/Autumn) Toowoomba (ONL) Toowoomba
Semester 2 (ONC) (Spr/Autumn) Toowoomba (ONL) Toowoomba
Units 1.0 (Teacher Education: Early Childhood) Band 5
Pre-requisite: EDE2011 and Students must be enrolled in one of the following Programs: BEDU (Early Childhood) or BECH
This course is designed to provide an in-depth understanding of the curriculum, pedagogy, and practice in early childhood education. Students will learn about the development and implementation of effective teaching strategies and the role of the teacher in supporting children's learning.

EDH1150 PHYSICAL ACTIVITY IN SOCIETY (FBELA - UGRD)

Semester 1 (Spr/Autumn) Toowoomba (ONL) Toowoomba
Units 1.0 (Education Studies) Band 5
Pre-requisite: Students must be enrolled in any of the following Programs: GDTE or GDTL
This course is designed to provide an introduction to the sociocultural foundations of human movement and the influence of society on physical activity. Students will explore how cultural, social, and economic factors impact physical activity and its role in society.

EDH2151 PRACTICAL STUDIES IN MOVEMENT (FBELA - UGRD)

Semester 1 (ONC) (Spr/Autumn) Toowoomba (ONC) Toowoomba
Semester 2 (ONC) (Spr/Autumn) Toowoomba (ONC) Toowoomba
Units 1.0 (Education Studies) Band 5
Students will acquire knowledge about a range of movement abilities, activities, and strategies, and the role they play in physical activity. Students will also learn about the importance of physical activity in promoting health and well-being.

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EDH2152 HEALTH AND WELLBEING (FBEL - UGRD)
Semester 1 (ONL)Springfield (ONL),Toowoomba (ONL),Toowoomba (ONC)
Units 1.0 (Education Studies) Band 5
Pre-requisite: BEDU (Primary) Only - EDPP1211
This course focuses on strengths based positivity and personalised inquiry learning. Students will research current health promotion and intervention strategies as well as pathways for understanding, and analysing child, adolescent, adult and older age health issues. They will research and analyse social justice principles, socio-ecological and strength-based paradigms, to identify and evaluate inequalities in access to health and the success of health promotion interventions in diverse settings. Students will develop an understanding and skills to plan health education and promotion initiatives as strategic means of supporting healthy and safe behaviours. They will consider settings and student or client needs when applying health promotion knowledge to case study scenarios. Students will apply strategies for developing health literacies and critical inquiry skills in conjunction with understanding educational purpose of health. They will understand the role of advocacy from multiple sectors in bringing change to the physical, social, economic and political conditions that affect health and wellbeing in personal, social, community and national contexts.

EDH2532 SCIENTIFIC BASES OF MOVEMENT 2 (FBEL - UGRD)
Semester 2 (ONL)Springfield (ONL),Toowoomba (ONC)
Units 1.0 (Education Studies) Band 5
Pre-requisite: EDC1400 or EDS2401
In this course students research and apply the key elements and re- lationships between scientific principles for understanding and interpreting mechanisms for human movement learning and practice. They will develop an understanding of the processes and stages of learning physical skills and improving human movement capacity and apply the principles of learning to develop and prescribe exercise and movement programs. They will develop an understanding of the relationship between learning and movement programs and apply basic research and instructional strategies whilst taking into account contextual factors and legislative requirements for assessing and grading learning and movement of various ages. Students will apply research and critical thinking skills to analyse and evaluate research literature. Embedded within the course is a 15 day Professional Experience under the supervision of a mentor teacher.

EDH2526 SPORTS ADMINISTRATION, COACHING AND OFFICiating (FBEL - UGRD)
Semester 2 (ONL)Springfield (ONL),Toowoomba (ONC)
Units 1.0 (Education Studies) Band 5
Pre-requisite: Physical Education Students - BEDU (Primary) Only - EDX1450
This course focuses on enhancing the capability and personalisation of management, and application of knowledge and skills to plan, promote, conduct and evaluate the supportive and safe environment and practices for inclusive carnivals, tournaments and events. They will demonstrate their managment of time, material and financial resources and the strategic deployment of human resources. They will develop and apply knowledge of risk assessment, emerging injury procedures and sports first aid. Students complete accreditation courses in officiating and coaching through the Australian Sports Commission and as part of the course assessment. They will apply standards and the principles of organisation and administration in athlete and client management. It is expected that students will develop an understanding of the various professional and government agencies, councils, local sporting organisations, external providers, facilities, venues and resources available within their local community. They will be required to utilise relevant contacts to assist with the planning and conduct of the carnivals, tournaments and events.

EDH2527 HUMAN MOVEMENT 3 (FBEL - UGRD)
Semester 2 (ONL)Springfield (ONL),Toowoomba (ONC)
Units 1.0 (Education Studies) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs; BEDU or MOLT (Secondary) Pre-requisite: BEDU Only - EDX1450
This course extends existing curriculum and pedagogical information and knowledge to develop developmentally appropriate and relevant teaching programs, utilising the full range of current Foundation to Year 12 Physical Education documentation. It includes a focus on early childhood education, inclusive education, and the assessment and introduction of the Year 12 physical education course in the context of the senior phase. Students will develop an understanding of the processes and stages of learning physical skills and improving human movement capacity and apply the principles of learning to develop and prescribe exercise and movement programs. They will develop an understanding of the relationship between learning and movement programs and apply basic research and instructional strategies whilst taking into account contextual factors and legislative requirements for assessing and grading learning and movement of various ages. Students will apply research and critical thinking skills to analyse and evaluate research literature. Embedded within the course is a 15 day Professional Experience under the supervision of a mentor teacher.

EDH3155 SCIENTIFIC BASES OF MOVEMENT 2 (FBEL - UGRD)
Semester 1 (ONL)Springfield (ONL),Toowoomba (ONC)
Units 1.0 (Education Studies) Band 5
Pre-requisite: EDH2523
Students will develop, apply and evaluate advanced knowledge that is important in modernised specialised areas of interest. They will engage in a variety of lab experiences and practical exercises. The opportunity will be provided for students to specialise in selected dimen- sions and undertake tasks of particular interest to future problems. The course includes the study of human movement from a scientific perspective and analyses and applies the inter- disciplinary framework that underpins human movement. Students will apply and evaluate knowledge and information about the development and the relationship between the body systems and the capacity for functional performance. Research into the theoretical principles of teaching, coaching and rehabilitation in movement underpins the learning and application of new knowledge in a diverse range of contexts and environments across age, stages of movement learning and gender demographics in developed.

EDH3254 HUMAN MOVEMENT 4 (FBEL - UGRD)
Semester 1 (ONL)
Units 1.0 (Education Studies) Band 5
Pre-requisite: EDC1400 or EDU1010
Students will recognize the multiple roles of a teacher and learn how to apply a wide variety of instructional strategies and teaching styles to improve the efficiency of human movement. Students develop an understanding of the importance of a supportive and safe learning environment that promotes wellbeing in personal, social, community and national contexts. The course focuses on strengths based positivity and personalised inquiry learning. Students will research current health promotion and intervention strategies as well as pathways for understanding, and analysing child, adolescent, adult and older age health issues. They will research and analyse social justice principles, socio-ecological and strength-based paradigms, to identify and evaluate inequalities in access to health and the success of health promotion interventions in diverse settings. Students will develop an understanding of the processes and stages of learning physical skills and improving human movement capacity and apply the principles of learning to develop and prescribe exercise and movement programs. They will develop an understanding of the relationship between learning and movement programs and apply basic research and instructional strategies whilst taking into account contextual factors and legislative requirements for assessing and grading learning and movement of various ages. Students will apply research and critical thinking skills to analyse and evaluate research literature. Embedded within the course is a 15 day Professional Experience under the supervision of a mentor teacher.

EDF5000 PLANNING FOR LEARNING: INTRODUCTION TO CURRICULUM AND PEDAGOGY (FBEL - PGRD)
Semester 1 (EXT)
Units 1.0 (Teacher Education) Band 5
Pre-requisite: Students must be enrolled in the MOLT
This course provides an introduction for pre-service educators enter- ing the teaching profession to the basic concepts and developmental issues connected to research and the pedagogical strategies for learning to teach in an educational setting. Pre-service educators will begin to explore a range of planning styles, ranging from single concepts to a sequence of learning episodes, and then to unit plans, with provisions made for diversity among learners. The course aims to provide opportunities for pre-service educators to develop their general teaching skills and pedagogical content knowledge through systematic reflection and the integration of assessment (for, through and of content, learning and teaching). Embedded within the course is a 15 day Professional Experience under the supervision of a mentor teacher.

EDF5001 UNDERSTANDING LEARNERS AND LEARNING (FBEL - PGRD)
Semester 1 (ONC)
Units 1.0 (Teacher Education) Band 5
Pre-requisite: EDF5000 and Students must be enrolled in the MOLT
This course will provide an introduction to key concepts about learner development, specifically cognitive, physical and psychosocial development. The course will examine different explanations for learning, including the behaviourist, cognitive and social-learning perspectives. Individual differences (e.g., intelligence, motivation and personal factors) and how they affect the learning process will also be exam- ined. Pre-requisites for this course are an understanding of the relation between educational theory and classroom practice through interactive practical experience. Students will come to understand the inter-relationship of planning, preparation, monitoring and review of teaching programs and assessment are analysed, particularly in the complex context of physical performance. Students have the opportunity to apply understanding of the relationship between physical education and classroom practice through interactive practical experience. Students will develop the ability to plan, implement and review learning and learning-experiences and to further develop as independent and reflective learners are embedded in this course.

EDF5002 DIVERSITY IN EDUCATIONAL CONTEXTS (FBEL - PGRD)
Semester 1 (ONL)
Units 1.0 (Teacher Education) Band 5
Pre-requisite: EDF5000
This course explores the diversity that educators encounter as part of their professional practice. It explores diversity in its many forms, expressed through culture, identity, language, ethnicity, socioeconomic experience, religion, abilities and disabilities, gender and age. EDF5002 focuses on recognition of the identities of Aboriginal and Torres Strait Islander background students and relevant pedagogies to engage learners. It identifies the learning needs of individual chil- dren and how these needs are informed by national and local, organisational policy and processes in a role used for understanding and implementing the complex demands of Diversity.

EDF5003 SCIENCE CURRICULUM & PEDAGOGICAL STUDIES (FBEL - PGRD)
Semester 1 (ONL)
Units 1.0 (Teacher Education) Band 5
Pre-requisite: EDF5000
This course is designed to develop science pedagogical content knowledge for future school teachers from F-6. It has as its major focus the essential knowledge and skills necessary for beginning educators to: interpret contemporary primary science curriculum and initiatives in science education; adopt science knowledge of how learners develop conceptual understanding in science; recognise and re- sponse to learner backgrounds, characteristics, experiences and prior understandings which might impact upon engagement and learning; and be able to develop and implement well-organised and managed science learning environments.
EDM5004 CURRICULUM AND PEDAGOGY FOR SECONDARY (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Teacher Education: Secondary) Band 5
Pre-requisite: EDM5000

This course provides an introduction to curriculum and pedagogy for junior secondary learners. Pre-service teachers will explore a range of issues and approaches relevant to adolescents in Years 7-10. The course focuses on curriculum design and delivery in the junior high school years. Pre-service teachers will be introduced to relevant concepts, a range of learning contexts, and pedagogies tailored for the junior school years, and how to select and implement effective teaching and learning as stipulated in the Australian Professional Standards for Teachers.

EDM5005 MATHEMATICS CURRICULUM & PEDAGOGICAL STUDIES 1 (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Teacher Education: Primary) Band 5
Pre-requisite: EDM5000

The focus of this course is on developing deeper understanding in all strands of the Australian Mathematics Curriculum and is underpinned by a clear understanding of the subject-matter knowledge and key theories of learning and teaching. Methods of doing and teaching Mathematics are discussed through the lens of those experienced in the pre-service-educator's own schooling. Pedagogical strategies and the structure of the strands are explored as teachers develop numeracy skills using research findings, curriculum documents and evidence-based teaching practice. Pre-service-educator will apply knowledge and skills to develop integrated, well-sequenced learning, adapt ability and responsibility as teachers of Mathematics.

EDM5006 SIGNATURE PEDAGOGIES (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 2.0 (Teacher Education: Secondary) Band 5
Co-requisite: EDM5000

The purpose of this course is to provide pre-service teachers with an understanding of the interplay of signature pedagogies and consider the characteristics for their discipline or teaching areas. Opportunity is provided for pre-service teachers to consider the pedagogical basis of their own teaching and learning. Connections will be made with the philosophical base for knowledge creation and the course will provide opportunities for pre-service teachers to find their own alignment to this. Pre-service teachers will identify the distinct (‘signature’) pedagogies that are relevant to their discipline or teaching areas. Although there are some common pedagogical approaches across clusters of disciplines, there are also distinctive practices within specific disciplines. These distinctive practices are relevant to the way pre-service teachers need to be prepared and also set out de liberately to teach the ways of thinking about their disciplines, doing the kinds of things that are distinctive to those areas. The purpose is to in duce participants into the ‘professional’ and its traditions and conventions. Signature pedagogies deal with things that we as educators have to know how and know to do, and about the way we are in the world and among the ways that we think. The emphasis is on the distinctive and particular pedagogies that can be planned for and learned or taught separately, but must be experienced holistically.

EDM5010 LITERACY LEARNING IN THE EARLY YEARS (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 2.0 (Teacher Education: Primary) Band 5
Pre-requisite: Students must be enrolled in the MOLT

The teaching of reading and writing in the early years is central to this course. The importance of oral language experiences and development of the knowledge and understanding of skills and resources required for effective literacy teaching and learning will be explored. This involves understanding the role of reading and writing in the classroom, with focus on the importance of understanding the learning, and the English curriculum in particular, by studying a variety of balanced approaches, including appropriate play-based approach. In addition, an understanding of reading and writing children’s literature will be explored in order to develop a flexible repertoire of practices and resources that assist planning. Pre-service educators will learn to design and plan integrated and inclusive learning opportunities, authentic assessments and strategies to meet the diverse range of literacy learners. The use of resources from diverse discip lines of learning will be embedded into learning across the curriculum. It is a requirement within this course for pre-service teachers to spend time within a school to engage in authentic literacy investigation.

EDM5010 CURRICULUM AND PEDAGOGICAL STUDIES 1 (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Teacher Education: Secondary) Band 5
Pre-requisite: EDM5000

The course focuses on the essential knowledge, understanding and skills necessary for educators to plan for, and implement, learning in the Health and Physical Education and Languages learning areas. Pre-service educators will develop their understanding of effective pedagogies and instructional strategies, through creating supportive and well-scaffolded learning environments, to meet the diverse needs of learners in Health and Physical Education, and Languages in support of special teachers. The course will cultivate appreciation of, and competence in, establishing levels of challenge for diverse levels of developmental ability and needs. Pre-service educators will improve their professional practice and development through engage ment with professional teaching networks and the broader community. While in the focus is on curriculum and pedagogy, implications for the development of effective teaching and learning strategies are clearly demonstrated.

EDM5020 ASSESSMENT FOR LEARNING (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 2.0 (Teacher Education: Primary) Band 5
Pre-requisite: EDM5000 and EDM5002 Co-requisite: EDM5001

This course provides pre-service educators with opportunities to de velop knowledge, skills and practices that will enable them to con structively assess students and make evidence-based decisions. It begins with an examination of the main theoretical components of quality assessment informed by contemporary (feminist) theory. We will explore data analysis especially in relat ion to norm-referenced processes of assessment, and requires pre-service educators to demonstrate an advanced and integrated understand ing of relevant reporting processes appropriate to context. It also engages prospective teachers in planning, designing and just ifying an authentic, reliable and valid assessment tool relevant to student needs and professional context.

EDM5002 SPECIAL EDUCATIONAL NEEDS (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 3.0 (Teacher Education: Primary) Band 5
Pre-requisite: EDM5000 and EDM5002 Co-requisite: EDM5001

This course will provide pre-service educators, in the Australian context, with an introduction to the guiding legislation, policies and practices of inclusive education. Pre-service educators will also develop knowledge of the theories, philosophies and educational approaches employed to support a range of students with special needs, specifically students with high incidence and low incidence disabilities. In addition, this course will examine the characteristics and educational needs of gifted and talented students. Cognizant of the range of student diversity, this course will focus on authentic, evidence-based approaches to supporting the learning and development of students with special needs and issues related to creating inclusive educational environments. This course will introduce pre-service educators to effective management strategies for those students who exhibit challenging behaviours. The course will require pre-service educators to develop research skills and will enable pre-service teachers to analyse and evaluate teaching approaches for students with special needs in an inclusive classroom environment.

EDM5004 TEACHER IDENTITY (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Semester 2 (EXT)Toowoomba
Units 1.0 (Teacher Education: Primary) Band 5
Pre-requisite: EDM5000 and EDM5001

This course, in courses, will be required to seek the authorisation of a lead site to undertake a 20-week professional practice. In Queensland schools, this will also require an ‘internship authorisation’ from the Queensland Department of Education, sought on their behalf by the Professional Experience Office. Equivalent processes may be required in other jurisdictions, which will be the responsibility of interns in such circumstances. In all settings, appropriate arrangements for mentoring, supervision and evaluation will be required as part of the process of approval for proposed placements. Pre-service teachers will undertake an lead responsibility for planning and teaching 50% of the total load of a full-time educator. Pre-service teachers will support the Mentor in a secondary role for the remaining 50% of a full-time load, undertaking a responsibility for managing the full repertoires of professional practice in which educators engage in the classroom or the professional community. In the light of research this course examines teachers’ personalisation of professional practice. This analysis will lead to the identification and justification of exemplification of professional practice that demonstrate their capacity as beginning educators. This justification will be framed to set of recognition and professional standards, supported by relevant literature demonstrating an advanced and integrated understanding of the complexities of education, and articulated through the development of professional portfolios.

EDM5005 MATHEMATICS CURRICULUM & PEDAGOGICAL STUDIES 2 (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 2.0 (Teacher Education: Primary) Band 5
Pre-requisite: EDM5001 and EDM5005

The focus is on inquiry-based approaches to the teaching of Mathematics with the goal of developing deeper understanding in all strands of the Australian Curriculum. Assessment and Reporting Authority (ACARA) Mathematics National Curriculum. Past and present practices will be reflected on, critically analysed and evaluated in the light of research findings, curriculum documents and teaching practice. Students will explore higher order thinking in Mathematics education, identify the significance of problem-solving strategies and their importance for emerging mathematical thinkers. Students will create learning experiences which foster and encourage language and risk taking in mathematical contexts, which are essential ingredients to solve problems and reason mathematically in the 21st century.

EDM5006 CURRICULUM AND PEDAGOGICAL STUDIES 2: ARTS & TECHNOLOGIES (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 2.0 (Teacher Education: Primary) Band 5
Pre-requisite: EDM5001

The course focuses on the knowledge, understanding and skills needed for educators to plan for and implement the Arts and the Arts and Technology curricula. Pre-service educators will develop their understanding of effective pedagogies and instructional strategies including communication technologies. Pre-service educators will develop their understanding of effective teaching and learning environments through the use of design and digital technologies capable of meeting the needs of diverse learners in The Arts and Technology curricula. Pre-service educators will be required to plan their own professional practice and development through engagement with professional teaching networks and the broader community. Pre-service educators will develop an appreciation of the arts and technologies and the repertoire of strategies to evaluate the quality of related resources and products.

EDM5007 LITERACY LEARNING IN DIVERSE CONTEXTS (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 2.0 (Teacher Education: Primary) Band 5
Pre-requisite: EDM5010

This course focuses on the integration of literacies learning into the planning and implementation of learning opportunities for students from diverse sociocultural contexts, including English as an Additional Language or Dialect (EAL/D) learners and Aboriginal and Torres Strait Islander students. Drawing on a range of literacies frameworks, including multiliteracies pedagogy, this course will enable pre-service educators to design integrated and inclusive learning opportunities and authentic assessment to ensure that the learning of all students is embedded into learning opportunities. Specific attention will be paid to the planning of focused learning/teaching episodes about the language forms and features and textual structures required to support learning. The course will also focus on contemporary issues and current reforms in literacies education, helping to develop skills for diverse learners, including approaches to recognising and supporting EAL/D students, and the development of feasible replicates of learning/teaching strategies across a range of educational contexts.

EDM5008 INQUIRING THROUGH THE HUMANITIES (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 2.0 (Teacher Education: Primary) Band 5
Pre-requisite: EDM5010

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EDM8010 CURRICULUM AND PEDAGOGY FOR SECONDARY (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Secondary) Band 5
Pre-requisite: EDM8001 and EDM8004
This course begins with building in-depth understanding for notions that impact the senior school and aims to give secondary educators increased understanding and confidence to deal with these senior school issues. Pre-service teachers also gain understanding and experience in responding to organizational requirements in order to apply these effectively in their practice. Discussions and applications aim to develop their understanding for effective planning for all manner of learning tasks, covering mandated elements of curriculum and practice in designing units of work that create alignment of curriculum, assessment and pedagogy. The course continues to build knowledge and skills developed in the previous courses covering teaching and learning in the middle school. Pre-service teachers are asked to demonstrate an understanding of current curriculum policy in the senior phase and the implications for practice. This course occurs during teaching development strategies in their chosen disciplines and includes learning to adjust curriculum for explicit teaching in different sectors. Pre-service teachers learn to plan across school, unit and lesson levels, including sequencing learning experiences, integrating assessment for learning and providing feedback as a learning tool.

EDM8011 MULTIPLE PATHWAYS IN SECONDARY SCHOOLS (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Secondary) Band 5
Pre-requisite: EDM8001 Co-requisite: EDM8010
This course requires students to develop an understanding of a range of processes, pedagogies and practices designed to ensure positive outcomes for students in the senior phase of learning and the transition from school to a range of post-school options. Prospective Secondary pre-service teachers will develop specialist skills and knowledge in a relevant range of areas including; the distinct needs of learners, Vocational Education and Training, career education and development; national policies and strategies for working with the arts and industry; curriculum initiatives relevant to the senior phase of learning. Pre-service teachers are to engage critically with relevant specialist literature and analyse the capacity to analyse, synthesise and evaluate a range of issues as questions which cater for the full range of students, including those from disadvantaged backgrounds.

EDM8012 INVESTIGATING TRACK (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Secondary) Band 5
Pre-requisite: EDM8001 Co-requisite: EDM8010
This course aims to develop reflective, classroom ready teachers who are able to effectively, creatively and safely use ICTs to enhance and transform the ways that they learn and think, and their own professional practice. To achieve this, pre-service teachers will - develop an understanding of technological change and its broader impact on society; consider what it means to be a citizen and teacher in contemporary digital world; look at how these changes have altered the education system, curriculum, and the practice and expectations of teachers; explore and synthesise critically and analyse ICT and ICT-based resources and the use of ICT to transform student learning in their specific learning areas; and, examine what this means for classroom management strategies.

EDM8013 LITERACY AND NUMERACY ACROSS THE CURRICULUM (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Secondary) Band 5
Pre-requisite: EDM8001
Literacy and Numeracy across the Curriculum is a course for secondary pre-service teachers in the Master of Learning and Teaching. It will focus on unpacking aspects of teaching, planning and assessing literacy and numeracy from the Australian Curriculum, underpinned by a clear understanding of relevant subject-matter knowledge and current theories of learning and teaching. The approach to teaching is based on thinking strategies and deep conceptual understandings and may be significantly different from the methods experienced in pre-service teachers' own schooling. Past and present practices will be critically reviewed in the light of research findings, curriculum documents and teaching practice. In addition, major contemporary changes in teaching and the implications of recent key reports and initiatives in literacy and numeracy will be addressed, as will the embedding of Australian Professional Standards for Teachers.

EDM8100 BUILDING EDUCATION COMMUNITIES (FBELA - PGRD)
Semester 1 (EXT)Toowoomba
Semester 2 (EXT)Toowoomba
Units 1.0 (Teacher Education not elsewhere) Band 5
Pre-requisite: EDM8002 and EDM8000
This course affords pre-service teachers the opportunity to connect to real world teaching contexts that scaffold their development towards graduate teacher capability. In this course, teachers will consider the Australian Professional Standards for Teachers (APST) and application of practical teacher knowledge. This course is the final professional experience before pre-service teachers complete their final practicum. The course requires pre-service teachers to gather evidence of the teacher they are becoming and evaluate the impact this has upon their learners, as well as relevant materials and teaching practices. Embedded within the course is a 25 day Professional Experience under the supervision of a mentor teacher. For full details of the professional experience particulars, please refer to the Professional Experience website and the Professional Experience Book.

EDO3472 CHILDREN'S LITERATURE (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Education Studies) Band 5
This course will explore the selection and use of children's literature to enrich the educational experience of diverse literacies learners. The development of children's literature from historical through to contemporary genres will be studied. Investigation and analysis will be conducted to evaluate the value of literary text, including reading from a range of picture books, novels for beginning and independent readers. Pedagogical strategies for engaging diverse learners through the use of quality literature will also be explored.

EDO3500 ALTERNATE PROFESSIONAL EXPERIENCE (FBELA - UGRD)
Semester 1 (EXT)Toowoomba
Semester 2 (EXT)Toowoomba
Units 0.0 (Teacher Education) Band 5
As enrolment in this course is a negotiated substitute for enrolment in a scheduled professional experience course, this course will consist of the teaching and learning experiences of the 'placed' course. In this sense the topics, objectives, reference materials, assessment activities and the requirements to pass the course will differ from student to student, depending on the course that is being replaced.

EDO3501 NEGOTIATED PROFESSIONAL EXPERIENCE (FBELA - UGRD)
Semester 1 (EXT)Toowoomba
Semester 2 (EXT)Toowoomba
Units 1.0 (Education Studies) Band 5
As enrolment in this course is a negotiated substitute for enrolment in a scheduled professional experience course, this course will consist of the teaching and learning experiences of the 'placed' course. In this sense the topics, objectives, reference materials, assessment activities and the requirements to pass the course will differ from student to student, depending on the course that is being replaced.

EDO3505 NEGOTIATED ACADEMIC PROJECT (FBELA - UGRD)
Semester 2 (ONL)Toowoomba
Semester 3 (ONL)Toowoomba
Units 1.0 (Education Studies) Band 5
As enrolment in this course is a negotiated substitute for enrolment in a scheduled academic course, this course will consist of the teaching and learning experiences of the 'placed' course. In this sense the topics, objectives, reference materials, assessment activities and the requirements to pass the course will differ from student to student, depending on the course that is being replaced.

EDO5010 PRIOR TO SCHOOL PLACEMENT (FBELA - UGRD)
Semester 2 (EXT)Toowoomba
Semester 3 (EXT)Toowoomba
Units 0.0 (Teacher Education) Band 5
Enrolment in this course is a negotiated enrolment to ensure students meet the Professional Experience requirements in a school setting as specified in the Bachelor of Education (BEDU) or Bachelor of Education (BEDU(Special Education)) and in the Queensland School of Teachers (QCT). Students will be required to undertake teaching tasks and responsibilities as outlined in the USQ Professional Experience Book relevant to this prior school placement.

EDO5011 IN-SCHOOL PLACEMENT (FBELA - UGRD)
Semester 2 (EXT)Toowoomba
Semester 3 (EXT)Toowoomba
Units 0.0 (Teacher Education) Band 5
Enrolment in this course is a negotiated enrolment to ensure students meet the Professional Experience requirements in a school setting as specified in the Bachelor of Education (BEDU) or Bachelor of Education (BEDU(Special Education)) and in the Queensland School of Teachers (QCT). Students will be required to undertake teaching tasks and responsibilities as outlined in the USQ Professional Experience Book relevant to this in-school placement.

EDP2222 THE ROLES OF THE TEACHER 2 (FBELA - UGRD)
Semester 1 (EXT)Toowoomba
Semester 2 (EXT)Toowoomba
Units 1.0 (Teacher Education: Primary) Band 5
Pre-requisite: EDP2111 and Students must be enrolled in the following Program: BEDU (Primary) Pre-requisite: EDP2111 and Students must be enrolled in the following Program: BEDU (Primary) Pre-requisite: EDP2111 and Students must be enrolled in the following Program: BEDU (Primary) Pre-requisite: EDP2111 and Students must be enrolled in the following Program: BEDU (Primary) Pre-requisite: EDP2111 and Students must be enrolled in the following Program: BEDU (Primary)
This course begins with building in-depth understanding for issues before pre-service teachers complete their Internship. The course requires pre-service teachers to gain insight into the complexities of teaching, they will develop an understanding of the demands of the teaching profession, and the development of teaching pedagogy that enables pre-service teachers to design a sequence of lesson plans and formative assessment tasks that provide learning opportunities to meet the diverse needs of all learners. They develop an understanding of the demands of the teaching profession, and the development of teaching pedagogy that enables pre-service teachers to design a sequence of lesson plans and formative assessment tasks that provide learning opportunities to meet the diverse needs of all learners. They develop an understanding of the demands of the teaching profession, and the development of teaching pedagogy that enables pre-service teachers to design a sequence of lesson plans and formative assessment tasks that provide learning opportunities to meet the diverse needs of all learners.

EDP4130 REFLECTING ON PRACTICAL TEACHER KNOWLEDGE (FBELA - UGRD)
Semester 1 (EXT)Toowoomba
Semester 2 (EXT)Toowoomba
Semester 3 (EXT)Toowoomba
Semester 4 (EXT)Toowoomba
Units 1.0 (Teacher Education: Primary) Band 5
Pre-requisite: (EDP3100 and (EPS3000 or EPS3003)) or (EPS3010 and (EPS2020 or EPS2000 or EPS2003 or EPS3033)) and Students must be enrolled in: BEDU(Primary) or BEDU(Primary+Special Edu) or BEDU(Special Edu) or BEDU(HPE Primary) or BEDU(HPE Primary)
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This is the seventh of a suite of eight Practice meets Theory courses that afford pre-service teachers the opportunities to connect to real world teaching contexts that scaffold their development towards graduate teacher capabilities. In the final practice, Theory meets Practice course, pre-service teachers further develop an understanding of the demands of the profession, and in tandem the variety in learners and the significance of planning to provide quality learning opportunities for all learners. Furthermore, pre-service teachers managing and responding to challenging learner behaviour is essential to maintain a supportive learning environment. Pre-service teachers design a sequence of lesson plans and formative assessment tasks that provide learning opportunities to meet the diverse needs of all learners. They develop an understanding of the demands of the teaching profession, and the development of teaching pedagogy that enables pre-service teachers to design a sequence of lesson plans and formative assessment tasks that provide learning opportunities to meet the diverse needs of all learners.
EDP4200 THE REFLECTIVE PRACTITIONER (FBELA - UGRD)
Semester 1 (ONC) Toowoomba
Units 1.0 (Teacher Education: Primary) Band 5
Pre-requisite: EPR3101, EPR3102, EPR3103 or EPR3104
Learners will, with guidance from a member of Faculty staff, plan and execute an independent project which is clearly related to their overall program of study, especially to their major area of study. It is envisaged that normally this one-unit project will not involve formal research, but it should include an investigative or developmental component with a clear focus on the development of knowledge and skills relevant to the teaching profession. The project should be conducted on a regular basis and with the guidance of a Faculty staff member. Students may apply for approval to the Practicum Board for their project to count towards their professional experience or as part of their professional development requirements.

EDR8005 DISCOURSE ANALYSIS (FBELA - PGRD)
Semester 1 (ONC) Toowoomba (ONC) Toowoomba
Units 1.0 (English as a Second/Foreign Language) Band 3
This course introduces students to methodological approaches to the analysis of language. Social and cultural contexts in which written and spoken texts occur provide the focus of the course. The means and standards of language usage are interpreted in different contexts. The course will make extensive use texts taken from a wide range of speakers, cultures, and communities. Students will be expected to show how analytical and theoretical approaches can be applied in real-world settings.

EDR8060 MASTERS PROJECT 1 (FBELA - PGRD)
Semester 1 (ONC) Toowoomba (ONC) Toowoomba
Units 1.0 (English Studies: Education) Band 5
Pre-requisite: EDR8000
Learners will, with guidance from a member of academic staff, plan and execute an independent project which is clearly related to their overall program of study, especially to their major area of study. It is envisaged that normally this one-unit project will not involve formal research, but it should include an investigative or developmental component with a clear focus on the development of knowledge and skills relevant to the teaching profession. The project should be conducted on a regular basis and with the guidance of a Faculty staff member. Students may apply for approval to the Practicum Board for their project to count towards their professional experience or as part of their professional development requirements.

EDR8061 MASTERS PROJECT 2 (FBELA - PGRD)
Semester 1 (ONC) Toowoomba (ONC) Toowoomba
Units 1.0 (English Studies: Education) Band 5
Pre-requisite: EDR8060
Learners will, with guidance from a member of Faculty staff, plan and execute an independent project which is clearly related to their overall program of study, especially to their major area of study. It is envisaged that normally this one-unit project will not involve formal research, but it should include an investigative or developmental component with a clear focus on the development of knowledge and skills relevant to the teaching profession. The project should be conducted on a regular basis and with the guidance of a Faculty staff member. Students may apply for approval to the Practicum Board for their project to count towards their professional experience or as part of their professional development requirements.

EDR9000 DOCTORAL PORTFOLIO PLAN (FBELA - PGRD)
Semester 1 (ONC) Toowoomba (ONC) Toowoomba
Units 2.0 (Education Studies: Education) Band 5
Pre-requisite: (EDSU9000 or EDRSU9000) and (EDSU9001 or EDRSU9001)
The course will begin by clarifying the expectations and requirements for the doctoral research project. The students will be expected to undertake the process of assembling the portfolio in accordance with the University's guidelines. The portfolio components will be reviewed by the supervisors, and feedback will be provided to the students on how to improve their portfolios. The portfolio will be submitted for approval by the Supervisor as a whole document. The students will be expected to present their portfolios to their supervisors for approval.

EDR9001 DISSENTATION/FOLIO PART-TIME (FBELA - RSCH)
Semester 1 (ONC) Toowoomba (ONC) Toowoomba
Units 2.0 (Education Studies: Education) Band 5
Pre-requisite: (EDSU9000 or EDRSU9000) and (EDSU9001 or EDRSU9001)
The course will begin by clarifying the expectations and requirements for the doctoral research project. The students will be expected to undertake the process of assembling the portfolio in accordance with the University's guidelines. The portfolio components will be reviewed by the supervisors, and feedback will be provided to the students on how to improve their portfolios. The portfolio will be submitted for approval by the Supervisor as a whole document. The students will be expected to present their portfolios to their supervisors for approval.
EDS4402 SECONDARY MATHEMATICS CURRICULUM AND PEDAGOGY (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Secondary) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDU or MOLT (Secondary) Co-requisite: EDM5000 or ED52401
The course begins with pre-service educators exploring specific structures and knowledge related to their teaching area. Building on this, they will then actively construct their own pedagogical practice and develop professional expertise in delivering discipline-specific teaching for learning. The purpose of this course is to move beyond generic approaches of teaching for learning to provide a deep understanding of how to teach in the mathematics discipline. This course provides the opportunity for pre-service educators to learn how mathematics content, pedagogy and curriculum complement each other to provide effective learning opportunities.

EDS4403 SECONDARY SCIENCE CURRICULUM AND PEDAGOGY (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Secondary) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDU or MOLT (Secondary) Co-requisite: EDM5000 or ED52401
The course begins with pre-service educators exploring specific structures and knowledge related to their teaching area. Building on this, they will then actively construct their own pedagogical practice and develop professional expertise in delivering discipline-specific teaching for learning. The purpose of this course is to move beyond generic approaches of teaching for learning to provide a deep understanding of how to teach in their science discipline. This course provides the opportunity for pre-service educators to learn how science content, pedagogy and curriculum fit and work together to provide effective learning opportunities.

EDS4404 SECONDARY HISTORY CURRICULUM AND PEDAGOGY (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Secondary) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDU or MOLT (Secondary) Co-requisite: EDM5000 or ED52401
The course begins with pre-service educators exploring specific structures and knowledge related to their teaching area. Building on this, they will then actively construct their own pedagogical practice and develop professional expertise in delivering discipline-specific teaching for learning. The purpose of this course is to move beyond generic approaches of teaching for learning to provide a deep understanding of how to teach in their history discipline. This course provides the opportunity for pre-service educators to learn how history content, pedagogy and curriculum fit and work together to provide effective learning opportunities.

EDS4405 SECONDARY BUSINESS CURRICULUM AND PEDAGOGY (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Secondary) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDU or MOLT (Secondary) Co-requisite: EDM5000 or ED52401
The course begins with pre-service educators exploring specific structures and knowledge related to their teaching area. Building on this, they will then actively construct their own pedagogical practice and develop professional expertise in delivering discipline-specific teaching for learning. The purpose of this course is to move beyond generic approaches of teaching for learning to provide a deep understanding of how to teach in their Business discipline. This course provides the opportunity for pre-service educators to learn how Business content, pedagogy and curriculum fit and work together to provide effective learning opportunities.

EDS4406 SECONDARY COMPUTING CURRICULUM AND PEDAGOGY (FBELA - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Secondary) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDU or MOLT (Secondary) Co-requisite: EDM5000 or ED52401
The course begins with pre-service educators exploring specific structures and knowledge related to their teaching area. Building on this, they will then actively construct their own pedagogical practice and develop professional expertise in delivering discipline-specific teaching for learning. The purpose of this course is to move beyond generic approaches of teaching for learning to provide a deep understanding of how to teach in the Computing discipline. This course provides the opportunity for pre-service educators to learn how Computer content, pedagogy and curriculum fit and work together to provide effective learning opportunities.

EDS4407 SECONDARY ARTS CURRICULUM AND PEDAGOGY (FBELA - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Secondary) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDU or MOLT (Secondary) Co-requisite: EDM5000 or ED52401
The course begins with pre-service educators exploring specific structures and knowledge related to their teaching area. Building on this, they will then actively construct their own pedagogical practice and develop professional expertise in delivering discipline-specific teaching for learning. The purpose of this course is to move beyond generic approaches of teaching for learning to provide a deep understanding of how to teach in specific Arts disciplines. This course provides the opportunity for pre-service educators to learn how Arts content, pedagogy and curriculum fit and work together to provide effective learning opportunities.

EDS4408 SECONDARY HUMANITIES CURRICULUM AND PEDAGOGY (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Secondary) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDU or MOLT (Secondary) Co-requisite: EDM5000 or ED52401
The course begins with pre-service educators exploring specific structures and knowledge related to their teaching area. Building on this, they will then actively construct their own pedagogical practice and develop professional expertise in delivering discipline-specific teaching for learning. The purpose of this course is to move beyond generic approaches of teaching for learning to provide a deep understanding of how to teach in specific Humanities disciplines. This course provides the opportunity for pre-service educators to learn how the Humanities content, pedagogy and curriculum fit and work together to provide effective learning opportunities.

EDS4410 SECONDARY ENGLISH CURRICULUM AND PEDAGOGY (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Secondary) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDU or MOLT (Secondary) Co-requisite: EDM5000 or ED52401
The course begins with pre-service educators exploring specific structures and knowledge related to their teaching area. Building on this, they will then actively construct their own pedagogical practice and develop professional expertise in delivering discipline-specific teaching for learning. The purpose of this course is to move beyond generic approaches of teaching for learning to provide a deep understanding of how to teach in the English discipline. This course provides the opportunity for pre-service educators to learn how English content, pedagogy and curriculum fit and work together to provide effective learning opportunities.

EDS4411 SECONDARY LANGUAGES CURRICULUM AND PEDAGOGY (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Secondary) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDU or MOLT (Secondary) Co-requisite: EDM5000 or ED52401
The course begins with pre-service educators exploring specific structures and knowledge related to their Languages teaching area. Building on this, they will then actively construct their own pedagogical practice and develop professional expertise in delivering discipline-specific teaching for learning. The purpose of this course is to move beyond generic approaches of teaching for learning to provide a deep understanding of how to teach in their Languages discipline. This course provides the opportunity for pre-service educators to learn how Languages content, pedagogy and curriculum fit and work together to provide effective learning opportunities.

EDU5010 POLITICS AND PEDAGOGY IN EARLY CHILDHOOD (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5
This course requires students to engage with a national and international selection of the studies that focus on system level dimensions of the profession (e.g., ethics, rights of the child, quality aspects, global indicators, equity, investment strategies, costs of practice, professional membership), exposing students to contemporary policy debates, highlighting approaches to ethical engagement, and support global citizenship to evaluate how best to take a socially just professional stance. Principles of evidence-based study are applied to extend and develop the analysis of ECE contexts, curriculums and pedagogies in diverse settings.

EDU5112 TRANSFORMING LEARNING WITH ICT (FBELA - PGRD)
Semester 3 (ONL)Toowoomba
Units 1.0 (Education Studies) Band 5
This course will examine how ICT might be used to both enhance and transform learning.

EDU5221 PROFESSIONAL LEARNING (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education) Band 5
This course will examine professional learning perspectives and processes within the context of changes in Australian education. Participants will analyse the role of professional learning communities and action learning as they develop professionally and will develop skills which will enable them to develop appropriate mentoring areas for their workplace. For this course, access is required to an educational setting where professional learning opportunities may be explored and developed. This may include working with peers and mentors.

EDU5321 EDUCATING STUDENTS WITH SPECIAL NEEDS (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Semester 3 (ONL)Toowoomba
Units 1.0 (Teacher Education: Special Edu) Band 5
In this course students will explore inclusive education philosophies, policies and practices as a contemporary response to maximising learning outcomes for students with special needs and disabilities. Additionally, students will develop knowledge of the characteristics and educational approaches for a range of special needs and disabilities, intellectual disabilities, learning disabilities, emotional or behavioural disorders, autistic spectrum disorder, communication disorders, sensory impairments, physical disabilities, health impairments, and ADHD. There is also consideration of the exceptional needs of students who are gifted and talented. A key emphasis throughout the course is the considerable diversity that exists within each of the special needs and disabilities categories, thus necessitating varied approaches to the enablement and support of students with special needs.
EDUS324 BEHAVIOUR SUPPORT (FBELA - PGRD)
Semester 3 (ONL)Toowoomba
Units 1.0 (Teacher Education: Special Edu) Band 5
In this course educators in both regular and special education early childhood, primary and secondary learning contexts will explore ways to think differently about and respond to, challenging student behaviour due to trauma drawing from the fields of psychology and neuroscience.
The course has so its major focus the essential knowledge and skills necessary for educators to: 1. understand the needs of traumatized children and the impact that trauma may have on the behaviour of children; 2. create and sustain safe and supportive learning environments, 3. manage serious, disruptive student behavior. 4. utilize evidence-based strategies to effectively manage, intervene and support students who have experienced trauma; 5. develop positive, secure relationships with traumatised students and colleagues through relationships; 6. identify and respond to the needs of students with complex needs and beyond the school setting; 7. recognize appropriate interventions including consideration of levels of trauma response, implementation and evaluation.
Knowledge acquisition targeted at trauma informed positive behaviour support practice focused on understanding and care; in conjunction with associated theoretical underpinnings, will enable educators to decrease the serious, disruptive behaviours of concern by recognising the unique needs and capabilities of children who are victims of trauma.

EDUS325 CHILD ABUSE AND NEGLECT: INTERVENTION, PREVENTION AND PREDICTION (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Semester 3 (ONL)Toowoomba
Units 1.0 (Education not elsewhere class) Band 5
The overall aim of this course is to introduce education and helping professionals to the field of child (and youth) abuse and associated protection issues. This course adopts a psychosocial developmental approach and provides an in-depth study of child abuse and phenomena. The course examines various settings of child abuse such as family, peer group, institutional and a wider social context. Within these ecological environments students study the causes, symptoms, forms and impact of child abuse, emotional, physical, sexual, neglect and exposure to witnessing abuse. The work of an early childhood educator is a significant component whereby students explore various ways of dealing with this social problem - prevention, intervention and therapy, with an emphasis on applications within the educational or school context.

EDUS335 EMOTIONAL AND BEHAVIOURAL PROBLEMS OF CHILDREN AND ADOLESCENTS (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Special Edu) Band 5
The overall aim of this course is to introduce professional working with children to information concerning the following: emotional and behavioural problems of children and adolescents; the nature of the causes of these problems; various approaches to assisting young people in their understanding of and change of these problems. The course outlines the kinds of problems professionals can expect to encounter and elaborates on evidence-based strategies, both preventive and remedial, for responding in a positive and effective manner to them. The intent of the course is for the learner to develop a sound understanding of the nature of emotional and behavioural problems of children and young people and the knowledge and skills necessary for the appropriate ways of dealing with the difficulties.

EDUS601 DESIGNING FOR FLEXIBLE LEARNING ENVIRONMENTS (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Education Studies) Band 5
This course aims to provide learners with the opportunity to develop knowledge of contemporary theories and principles that inform learning and instructional design, ranging from the more traditional learning contexts and environments to those using, for example, social networks and mobile technologies. In order to do this, learners will engage in processes of collaborative learning with their peers in online discussion forums to explore contemporary theories and perspectives of learning, teaching and their learning contexts, as well as contours and contexts of practices and of learning and instructional design, to identify and design a learning program that will address a particular learning need in their context. In addition, some detail of plans and strategies for evaluation will be addressed.

EDUS702 LEARNING AND TEACHING IN HIGHER EDUCATION CONTEXTS (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Education Studies) Band 5
This course provides higher education practitioners with the opportunity to explore meaningful learning and teaching issues within their own professional environment, from the perspective of the current and anticipated teaching role(s). Participants will reflect on their values, context and practice, and design and implement an evidence-based learning and teaching activity or artefact. Peer feedback and individual reflection will be used to evaluate this design and implementation process.

EDUS703 ENGAGING CURRICULUM AND PEDAGOGY (FBELA - PGRD)
Semester 3 (ONL)Toowoomba
Units 1.0 (Curriculum Studies) Band 5
The assumption regarding students enrolling in this specialisation is that they will have an understanding of curriculum and pedagogy from undergraduate programs and workplace experience. This course looks, then, to open up contemporary views of these topics for an engagement by students. The course includes such ideas as public pedagogies, the politics of curriculum and pedagogy, sites and forms of curriculum performance, resistance and compliance, global and transformative practices from resistance, pedagogies and social surfacing. Key illustrative theorists whose work is surveyed include Paulo Freire, Henry Giroux, Peter McLaren and George Counts.

EDUS705 PRINCIPLES OF QUALITY CURRICULUM (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Curriculum Studies) Band 5
Students enrolled in this course will be engaged in an inquiry into curriculum practices within a teaching and learning context - this might be the current context of work or one to which they have access. Students, through an inquiry based approach, will begin to investigate factors that impact on the curriculum. To do so, students will first be introduced to various schools of thought in the area of curriculum design and evaluation. In doing this students will be engaged in a review of current curriculum practices at the site. This re view will analyse curriculum documents, exploring various themes and relationships. Students will develop theoretical perspectives for design and evaluation of curriculum and use these perspectives to inform the relationship between theory and practice in a particular area of study.

EDUS713 ASSESSMENT PRINCIPLES AND PRACTICES (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Semester 3 (ONL)Toowoomba
Units 1.0 (Education Studies) Band 5
This course addresses the theory and practice of assessment. Participants gain an understanding of the principles, theories and recommended practices that govern quality assessment. Participants explore methods of assessment including assessment for learning, assessment of learning, measurement, testing and reporting. The purposes of assessment and the different frames of reference to it are explored. All forms of assessment information, including norm-referenced, criterion referenced and performance-related, are explored. The course engages participants in scoping and designing and justifying an assessment tool to meet the needs of students in their professional context. Students enrolling in this course are required to have first hand knowledge of and access to a teaching and learning setting in school, post-compulsory, community education or training context.

EDUS760 PROFESSIONAL STUDY (FBELA - PGRD)
Semester 1 (EXT)Toowoomba
Semester 3 (EXT)Toowoomba
Units 1.0 (Education Studies) Band 5
Students enrolled in this course are able to undertake guided individual study of a topic of interest related to their own professional education context. Students will negotiate a project with the course Examiner and develop a detailed project Proposal in consultation with their appointed academic supervisor to address their specialised topic, issue or workplace challenge. By completing their nominated professional study project, students will demonstrate they can undertake independent, scholarly work-related professional learning. In addition, students will develop an understanding of their professional experiences, and their successful completion of the embedded professional experience placement.

EDU8000 EARLY CHILDHOOD PRINCIPLES AND PRACTICES (FBELA - PGRD)
Semester 1 (EXT)Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5
Through inquiry learning, participants study the anthrology of play and early learning experiences that facilitate children's voice and participation in contemporary early childhood communities. This introductory course is designed to engage participants to direct their own learning of play and development, learning, and pedagogy for young children from birth to eight years of age, informed by scholarly research and relevant conversations from the field. This course will also focus at finding and selecting professional models. A 15 hour professional experience placement is attached to this course.

EDU8007 DEVELOPING MATTERS IN EARLY CHILDHOOD EDUCATION (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5
This course explores current international, national and local issues related to many facets of the care and education of young children. Students will be encouraged to identify emerging trends and relate this to philosophical and theoretical perspectives and to consider the implications for the broader socio-political and educational context, as well as explore in depth specifically relevant issues pertinent to the students own field of education.

EDU8011 PROFESSIONAL CULTURE, DYNAMICS AND CHANGE IN EARLY CHILDHOOD EDUCATION (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5
In this course you will develop a deeper and broader understanding of the culture and dynamics of professionalism in early childhood education in contemporary times. This will involve - building a critical awareness of the complexity of commitments and the ethical dilemmas; exploring the meaning and nature of professionalism in early childhood education through work force capacity building, leadership and change management in early childhood education in both individual and group contexts; knowledge and skills for effective professional relationships in early childhood settings are examined with particular emphasis on managing roles and relationships in complex teams; supporting families and guiding young children, leadership skills, professionalism and teacher researcher and critical reflection are highlighted.

EDU8111 EMERGING ENVIRONMENTS FOR LEARNING (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Education Studies) Band 5
Theories, including constructionism and connectivism, associated with the design and adoption of learning environments will be reviewed with a focus on developing understanding and informed effective design and implementation of learning environments appropriate to a variety of contexts such as online, blended and higher education. Students will be introduced to sources and communities from which they can obtain knowledge of current developments in learning environments and associated theories and technologies. They will collaborate to identify and evaluate relevant knowledge of a variety of sources and will share knowledge and develop effective learning environments for specific purposes. Where appropriate, students will work with emerging and experimental technologies.

EDU8114 ONLINE PEDAGOGY IN PRACTICE (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Curriculum Studies) Band 5
This course is designed to engage participants to direct their own learning of the design and adoption of learning environments in relation to foundational frameworks that can be applied to particular educational settings. The design of the course has been strongly influenced by Garrison, Anderson and Archer’s (2000) Community of Inquiry. The skill and ability of the online facilitator is important to the success or otherwise of online and some blended learning environments, both in terms of management and facilitation of discussion. Learners will look at what makes for successful facilitation of online environments and explore strategies for engaging learners and the electronic medium. Learners will engage with current theories suitable for online learning and will develop a digital library to make their learning more effective and authentic. Learners and facilitators will work collaboratively to explore, explore, and adapt online pedagogical practices in practice.

Consult the Handbook on the Web at http://www.usq.edu.au/handbook/current for any updates that may occur during the year.
EDU817 NETWORKED AND GLOBAL LEARNING SETTINGS (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Education Studies) Band 5

This course introduces the field of educational administration largely through perspectives drawn from the field of organisation theory. Students are introduced to the development of thought in the field of educational administration and to a study of the two major paradigms: the functionalist and interpretative paradigms. Students are then introduced to the concept of a school as an organisation and explore the post-modernist perspective on organisation theory. While the focus of this course is on educational administration, the theories drawn from organisational theory can be applied to most service organisations.

EDU831 ORGANISATIONAL TRANSFORMATION THROUGH LEARNING (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Education not elsewhere classified) Band 5
Pre-requisite: EDU813

This course consists of four modules. The first module is designed to set the context for the course, establishing the fundamental importance of educational leadership to effective learning to educational institutions in the 21st Century. The second and third modules set the scene from a theoretical perspective. Different approaches to organisational transformation and their underpinning concepts are considered (including their implications for leadership practices). The concept of leadership is also given particular attention. The fourth module is more practical in its orientation and intent. Building on the third three modules, it explores transforming organisations through learning in relation to a particular school improvement process and capacity building model. This model allows exploration of how theory may translate into practice.

EDU8319 MARKETING YOUR EDUCATIONAL ORGANISATION (FBELA - PGRD)
Semester 3 (ONL)Toowoomba
Units 1.0 (Education not elsewhere classified) Band 5

The first module sets the context for the course, exploring the broader evolution and contemporary meaning of marketing. The question of how marketing can relate to educational settings, and our applications of marketing concepts to education, is then explored from a theoretical and practical standpoint. Approaching marketing planning, implementation and evaluation from a strategic viewpoint is then introduced to students. At the heart of this is the school as an organisation requiring strategies for success.

EDU8320 RIGHTS AND RESPONSIBILITIES OF SCHOOL LEADERS (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Education Studies) Band 5

This course aims to assist students to understand what rights and responsibilities are placed on principals, deputy principals, Heads of Departments and other aspiring leaders, (as well as ‘Compliance Managers’ in schools) to effectively perform their duties as the leader of their school community. Central to these rights and responsibilities are the provisions of the United Nations Convention on the Rights of the Child, and consideration of the legal implications of these expectations specifically in a school context. That is to say that students will not only learn some of their ethical and legislative obligations in contemporary school settings but their consequential access to the rights of student’s will be considered. In this context, the course will explore the nature of legal, ethical and professional implications and requirements that are available to assist teachers. Students will learn what is, and how far, their duty of care extends in this school context. The nature of34© University of Southern Queensland

EDU8331 CAREER DEVELOPMENT IN EDUCATIONAL SETTINGS (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Special Edu) Band 5

This course will introduce students to the major theories of career development and associated practices that are relevant for persons training as school guidance officers, educators and career practitioners and others who are interested in the broad area of career planning and development. Employment will be given to integration of theory and practice in educational learning environments. Emerging theories and technologies will also be considered. It is expected that students will have access to an educational or training setting in which they are able to apply the concepts and principles studied in this course.

EDU8332 INTRODUCTION TO COUNSELLING IN EDUCATIONAL Contexts (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Teacher Education: Special Edu) Band 5

Students will develop an understanding of different theories of leadership and the importance of developing a personal leadership strategy. This course introduces students to the development of thought in the field of educational leadership and explores the post-modernist perspective on organisation theory. While the focus of this course is on educational administration, the theories drawn from organisational theory can be applied to most service organisations.
EDU840 MENTORING AND COACHING (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Education not elsewhere class) Band 5
This course provides participants with an opportunity to understand the theory base as well as develop and practice a repertoire of skills in mentoring and coaching with a focus on the building of capacity in others. Such support enables individuals to develop themselves and their career, and improve personal practice and performance. Participants will investigate the theory underpinning use of this approach, explore the difference between mentoring and coaching, identify the limits of mentoring and coaching and examine how mentoring and coaching can be used to gain existing approaches to individual and organisational capacity building programs. A major component of this course will require participants to engage in practical development of basic mentoring and coaching competencies and their subsequent application within workplace settings. As a course participant, participants must have access to a mentor. Another component integral to both approaches is the giving of feedback that both support and challenges individuals to explore their boundaries and in prove their teaching, learning and leading practices. This course provides a reflexive space for participants to reflect on personal learning gleaned through analysis of ‘critical moments’ in order to explore and support participants‘ emerging knowledge and skills as a mentor and coach.

EDU406 THEORIES FOR LEARNING FUTURES (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Education not elsewhere class) Band 5
Within a framework of contemporary and emerging theories of learning and informed by consideration of a diversity of cultural, social and historical experiences and expectations of today’s wide and connected learner, participants in this course will interrogate and reflect on imperatives for future learning. This course provides educators with an opportunity to engage in such questioning via re search, reflection and dialogue in the online, collaborative and learning environment, and to consider implications for their practice as educators and lifelong learners via the preparation and justification of a professional development event.

EDU415 MULTI-MODAL TEXTS AND NEW LITERACIES (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Education not elsewhere class) Band 5
The course will provide opportunities for students to critically and constructively engage with issues associated with the interface between the theory and practice of multiliteracies across the curriculum. It includes the need for educational institutions to engage with and learn more about informal ways students learn outside of education and bring aspects of their world into that institution. It further requires replacing instructional pedagogies with learning processes that support the creation of social and literate futures. These learning processes will incorporate the diversities and diver gencies of today’s globalised world. A study will be made of the characteristics of texts delivered via new platforms and the codes and conventions which aid in the construction and deconstruction of meaning. Students will draw conclusions about the techno-literacy practices required to be literate in the 21st century and developing learning processes to support critical engagement with these practices. The course will be on texts and literate practices arising from technology rather than the specificities of the technologies themselves.

EDU850 AUSTRALIAN ABORIGINAL AND TORRES STRAIT ISLANDER PEOPLES’ EDUCATION AND ISSUES (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Other Education) Band 1
This course provides a critical historical overview of major threats of colonial and Australian government views and policies on the education of Australian Aboriginal and Torres Strait Islander peoples in order to provide a base for the development of a deeper understanding of current issues and challenges facing both Australian Indigenous communities and governments and argues the responsibilities for the provision of education to those communities. Further, the course explores the tension between cultural (‘traditional’ and formal) and Western’ education imperatives and looks at significant developments in the areas of Australian Aboriginal and Torres Strait Island peoples’ education. Major concepts include: ‘Staying the Gap’, the Northern Territories Emergency Response (‘the Intervention’), the role of bilingual education, and the role and impact of standardised educational funding on Australian Aboriginal and Torres Strait Island peoples, will be on examined.

EDU8501 DEVELOPMENTAL FOUNDATIONS FOR LEARNING AND DEVELOPMENT (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Education not elsewhere class) Band 5
Students will be introduced to a range of developmental differences often seen in today’s classrooms in the areas of motor and communic ation skills, sensory processing, executive functioning, social- emotional development and adaptive skills. This course will also consider transition issues and lifelong pathways. In addition to the topic content, each module will include a description of the develop mental differences within each focus area, strategies for identification and screening, and evidence-based practice to support student learning as well as considerations for planning, implementation and assessment.

EDU8502 CULTURAL DIVERSITY CHALLENGES IN THE CLASSROOM (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Other Education) Band 5
This course looks at four major reasons behind the increasing, and often involuntary, cultural diversity found within most Western socio migration, forced, voluntary, and refugee, and immigrant moves. Students will be required to become familiar with current ed academic issues that attach to the education/schooling of students who find themselves in classrooms at often significant geographic, cultural, and social distance from where their parents and culture of birth. Tensions for the educator in such contexts, as well as balancing the maintenance of cultural ties to the home culture with the need for development of new community literacies and familiarity, are explored. The problems and possibilities of such responses as culturally based schools, home language schooling, enrolment compared to integrated educational settings, and teacher recruitment and preparation will be addressed.

EDU8503 CULTURES AND (MULTICULTURAL EDUCATION (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Other Education) Band 5
This course looks in depth at the complexity of the question of “what is culture?” and then to proceed critically to explore illustrative examples of the ways in which various notions of “culture” have found their way into discourses surrounding education theory, policy, and practice. In addition to a focus on the ways in which prevailing notions of culture have influenced education, the course also looks at the ways in which “culture” has been taught that is, culture as a content. As a critical encounter with “culture”, the course looks to social justice/betterment possibilities and possibilities resident within contemporary moves to decolonise education. The course provides a very sound basis for further work in all areas of professional education studies in content inquiry times.

EDU8504 MENTORING AND COACHING (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Education not elsewhere class) Band 5
This course aims to assist helping professionals working in education contexts to develop an in depth, working understanding of the theoretical and practical foundations of counseling and coaching as pro laxtical practice. The course focuses on contemporary education contexts and the ways that counseling theory and practice can contribute to client and community wellbeing. Contemporary issues in counseling include such contexts as diversity, mental health, sexuality and suicidality are canvassed before learning about the fundamental concepts of counseling: change, counselor as a context, the therapeutic relationship, positive psychology and wellness, and models for describing the counseling process. Case conceptualization as a process is explored in the context of different therapeutic tr aitions. Finally a model of case management is introduced to integrate the delivery of services to clients beyond the counseling room.

EDU8505 MENTAL HEALTH PROMOTION AND INTERVENTION IN EDUCATION CONTEXTS (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Education not elsewhere class) Band 5
EDU8505 aims to assist helping professionals working in education contexts to develop an in depth, working understanding of the theoretical and practical foundations of counseling and coaching as pro laxtical practice. The course focuses on contemporary education contexts and the ways that counseling theory and practice can contribute to client and community wellbeing. Contemporary issues in counseling include such contexts as diversity, mental health, sexuality and suicidality are canvassed before learning about the fundamental concepts of counseling: change, counselor as a context, the therapeutic relationship, positive psychology and wellness, and models for describing the counseling process. Case conceptualization as a process is explored in the context of different therapeutic tr aitions. Finally a model of case management is introduced to integrate the delivery of services to clients beyond the counseling room.

EDU8506 ENGLISH LANGUAGE AND LITERACY IN INTERCULTURAL CONTEXTS (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Education not elsewhere class) Band 5
This course will provide students with the knowledge and skills to develop programs that promote gifted achievement. The course will first examine case studies of effective programs from different settings (e.g., schools, workplaces), and qualities of the env ironment that are necessary for creating sustainable programs. The course will examine the program design process, and specific strategies to foster gifted achievement (e.g., mentoring, enrichment, acceleration, negotiated projects). Using a team design and strategies, students will develop a program to promote gifted achievement for a selected environment (e.g., primary school, workplace). The course will also examine evaluation strategies for determining program effectiveness.

EDU8507 COUNSELLING IN EDUCATION CONTEXTS: THEORY & PRACTICE (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Education not elsewhere class) Band 5
This course will provide students with the knowledge and skills to develop programs that promote gifted achievement. The course will first examine case studies of effective programs from different settings (e.g., schools, workplaces), and qualities of the env ironment that are necessary for creating sustainable programs. The course will examine the program design process, and specific strategies to foster gifted achievement (e.g., mentoring, enrichment, acceleration, negotiated projects). Using a team design and strategies, students will develop a program to promote gifted achievement for a selected environment (e.g., primary school, workplace). The course will also examine evaluation strategies for determining program effectiveness.

EDU8508 ENGAGING WITH INDIGENOUS COMMUNITIES (FBELA - PGRD)
Semester 3 (ONL)Toowoomba
Units 1.0 (Education not elsewhere class) Band 5
This course will provide insights into aspects of the knowledge and skills necessary for successful and sustainable engagement with Indigenous communities general and Australian Indigenous communities more specifically. Topics to be covered include research and other comm unity engagement protocols, engaging with community knowledge, professional and personal boundaries, how to plan for and access to and enacting respectful departures from communities, cultural & intellectual property issues, and community advocacy strategies. The course adopts the perspective of the importance, in an era of reconciliation, of non-Indigenous engagement in Indigenous communities proceeding from a base of respect and collaboration. It will address in brief various discourses of de-colonising, and tools to provide the student with more cutt appropriate, respectful, and productive orientations than those that they currently fall from a dominant discourse of intervention and repair. As such, the course is rooted in a post-development and decolonial frame of reference.

EDU8509 POSITIVE BEHAVIOUR SUPPORT WITHIN SCHOOL CONTEXTS (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Education not elsewhere class) Band 5
This course will introduce students to a set of advanced strategies and procedures for whole school implementation of positive behaviour support systems. Collaborative processes which engage key stakeholders are explored. Contemporary positive behaviour support strategies such as School Wide Positive Behaviour Support (SWPBS), also known as Positive Behaviour for Learning (PFL) and Functional Behavioral Assessment (FBA), will be assessed. The course will provide students with the knowledge and skills necessary for teaching and developing leaders of behaviour support within their school context.
EDU8510 BUILDING PEDAGOGICAL LEADERSHIP CAPACITY (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Education not elsewhere classified) Band 5
This course is designed to bring theory and practice together in an authentic workplace setting. Students will therefore need to be active participants in an educational setting. Engagement with a range of pedagogues will focus students on investigating suitable approaches for their diverse contexts, cultures, organizational settings, external frameworks and learner needs. Research, reflective processes and professional conversations will be utilised to build the skills and knowledge for pedagogical leadership.

EDU8511 GIFTED ACHIEVEMENT ACROSS THE LIFESPAN (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Education not elsewhere classified) Band 5
This course is designed to provide students with an understanding of gifted achievement across the lifespan, potential barriers to high performance, and general approaches for supporting the development of gifted achievement. The course will introduce different conceptions of giftedness, and examine the cognitive, physical and psychosocial characteristics of gifted individuals. The course will also examine developmental challenges that gifted individuals may experience throughout their development, and discuss the importance of an ecological approach to supporting gifted individuals in a variety of environmental and spatial contexts such as the school, university or workplace. The course will also provide an overview of processes for identifying gifted individuals, and for fostering the achievement of gifted individuals.

EDU8512 PASIFIKA EDUCATION (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Other Education) Band 5
This course explores critical and contemporary issues in Pasifika education. It examines the term ‘Pasifika’ and introduces the commonality of experiences which the term encompasses. Pasifika customs and understandings are presented through an overview of their philosophical and socio-historical evolution, focusing on the effects of colonisation, migration and socio-economic development. The course examines the contributions of theorists within Western educational systems that highlight how cultural misalignment impacts on educational engagement and achievement. Successful pedagogical strategies and frameworks for teaching Pasifika students are explored with specific emphasis on emerging pedagogies and the principles underlying positive multicultural learning environments. This course further examines models for partnerships with and research within Pasifika communities, encouraging the critical analysis of relevant themes of knowing and doing. Throughout the course run the key themes of social justice and cultural equity in education.

EDU8513 CREATIVITY AND INNOVATION ACROSS THE LIFESPAN (FBELA - PGRD)
Semester 3 (ONL)Toowoomba
Units 1.0 (Education not elsewhere classified) Band 5
This course will introduce students to some of the major theories of creativity, particularly those relevant to lifelong adult career development and the changing world of work. The course will cover the practices and providers of career development, current international and domestic policy issues, industry trends, and lifelong development and social participation needs of career development. In addition to theory, the course entails practical activities for part of the assessment which will require students to complete a set of self-directed learning tasks that underpin career self-management for lifelong learners.

EDU8515 ADVANCED STUDIES IN SPECIALISATION (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 2.0 (Education Studies) Band 5
Pre-requisite: EDU8601
Students will pursue in depth study within their specialisation area. The focus will be on a critical analysis of the possible reasons for student disaffection in that context.

EDU8516 ADVANCED STUDIES IN PROFESSIONAL PRACTICE (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 2.0 (Education Studies) Band 5
The course begins with an analysis of the challenges created for educational organisations by the emergence of post-corporate influences. Possible responses to these influences are explored and assessed. The role of leadership in generating constructive organisational responses to post-corporate challenges is analysed. Four leadership approaches are emphasised: transformational leadership; strategic leadership, educational leadership and organisational leadership. Students are facilitated to engage with others in order to share the innocence of the challenges in their workplaces and, using authentic data, develop a contextually defensible response to an identified challenge.

EDU8517 DIFFERENTIATION (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Special Educ) Band 5
EDU8517 will introduce the development of inclusive education and allow students to draw on their prior knowledge in this area. The link from inclusive education will be made to the concept of differentiation and other frameworks such as Universal Design for Learning, in order to address diverse learning needs in the inclusive classroom. There will be a particular focus on the practical nature of employing theory in the classroom. Through pedagogical strategies, students will have the opportunities to apply the principles of differentiated curriculum. This will assist in the development of effective skills for classroom teachers and special education personnel. In this course students will be supported in their understanding of how to modify content and resources, and deliver instruction that is differentiated for students with a range of abilities. This course also examines working with other educators through co-teaching and collaboration.

EDU8518 WELLBEING IN EDUCATIONAL CONTEXTS (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Teacher Education: Special Educ) Band 5
EDU8518 aims to assist educators working in educational contexts to develop an in-depth, working understanding of the complex ecology of human wellbeing and the key approaches to developing, simple monitoring and embedding positive approaches to wellbeing in educational settings. The course applies an ecological, contextual, systems-oriented approach to analyse contemporary theoretical positions to account for the increasing prevalence of impacts to wellbeing and disabilities enabling for wellbeing. Students investigate education-wide wellbeing models in order to identify and generate universal, targeted and intense support processes and options that can be directly applied to current professional practice.

EDU8519 AUTISM - MANAGING EMOTIONS (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education: Special Educ) Band 5
Pre-requisite: EDU8320 or Equivalent Co-requisite: EDU5201 or Equivalent
The purpose of this course is to develop and broaden teacher content knowledge of students with Autism Spectrum Disorder (ASD). Specifically, course participants will examine the theoretical and practical issues of understanding and responding to the emotional needs, and the resulting distress that having Autism can cause and the stress associated with the individual. Emphasis will be given to designing a variety of support tools and practical strategies for learning, social/emotional and behavioral/ sensory regulation for use in school and community sites, particularly in inclusive settings.

EDU8520 CONTEMPORARY APPROACHES TO ALTERNATIVE EDUCATION (FBELA - PGRD)
Semester 3 (ONL)Toowoomba
Units 1.0 (Curriculum Studies) Band 5
The course commences with an exploration of the roots of formal education, and the evolution of curriculum and pedagogy. Participants engage in a critical analysis of the development of curriculum and pedagogy globally, considering the impact of national curricula, testing and reporting; they consider the impact of the rising scale of school age learning and the use of flexible learning and vocational and community strategies for re-engaging early leavers, the implementation of super schools, and small school closure worldwide. Participants engage in a critical analysis of the possible reasons for student disaffection in their chosen educational context, discussing and analysing a range of alternative epistemologies and pedagogical practices applicable to that context.
EDV3551 VOCATIONAL AND WORKPLACE LITERACIES (FBELA - UGRD)
Semester 1 (ONC)Toowoomba
Units 1.0 (Teacher Educ: Vocational Educ) Band 5
Pre-requisite: EDV3500
This course will develop awareness and understanding of the scope and depth of literacy skills that impact on learning and work in contemporary workplaces. It includes current workplace literacy nature and impact of literacy demands on learners and workers and identifies the issues involved in the context of today's complex and diverse workplaces. Skills will be developed in the analysis of workplace literacy and the impact of literacy on the curriculum. Students will develop advanced skills in workplace literacy and will develop a critical understanding of how literacy shapes their workplace and society. The course will include exploring the role of workplace literacy in the development of workplace literate and skilled individuals.

EDX1210 ARTS CURRICULUM AND PEDAGOGY 1: DANCE, DRAMA, MEDIA ARTS, MUSIC AND VISUAL ARTS (FBELA - UGRD)
Semester 1 (ONC)Springfeld (ONL)Toowoomba
Semester 2 (ONC)Springfeld (ONL)Toowoomba
Units 1.0 (Teacher Education) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDU (Early Childhood) or BEDU (Primary) or BEDU (Primary + Special Education) or BEDU (HPE Primary) or BEDU (Primary + SHPE Primary) or BEDU (Primary + SHPE Primary + Special Education) or BEDU (Primary + SHPE Primary + Special Education) or BEDU (SHPE Primary) or BEDU (Special Education) or EDX3250 ADOLESCENCE ISSUES AND CHALLENGES (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Teacher Education) Band 5
Pre-requisite: ESP1300 and BEDU101 and Students must be enrolled in one of the following Programs: GDIT (Secondary) or GDIT (Foundation) or GDIT (Foundation) or GDIT (Secondary)
This course utilises policy analysis, case studies, critical analysis and reflective writing to assist pre-service teachers to develop a framework for knowledge and application of adolescents' changing needs and circumstances as they negotiate their senior phase and the transition to post-compulsory learning and employment. Pre-service teachers will also consider and critically reflect on changing expectations of secondary schools and teachers, the transition to post-compulsory learning and employment and lifelong learning and consider implications for their professional preparation with a focus on teaching, pedagogy, leadership and collaboration.

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EHE1100 ENGLISH CURRICULUM AND PEDAGOGY IN EARLY PRIMARY (FBEA - UGRD)

Semester 1 (ONC)(Springfield) (ONL)Toowoomba
Semester 2 (ONC)(Springfield) (ONL)Toowoomba
Units 1.0 (Teacher Education) Band 5

Students must be enrolled in one of the following: BEDU (Early Childhood or Primary or Primary+Special Educ or Special Educ or Primary+SHPE or Primary SHPE) or BEDU (Early Childhood or Primary) or BECH (Early Childhood) Only - Enrolment is not permitted in EHE1100 if EDF1710 has been previously completed.

This course, part of a suite of three English courses for primary and early childhood pre-service educators, provides foundational knowledge to teach English literacy with a specific focus on the needs of the primary school student. It also encourages the development of four essential literacy pedagogies, with an explicit focus on: linking emergent literacy to emergent literacy, establishing the codes of reading, and supporting the development of language for young children. It also uses authentic literacy learning through ‘real alouds’ and shared book experiences in multimodal platforms.

EHH1100 TECHNOLOGIES CURRICULUM AND PEDAGOGY (FBEA - UGRD)

Semester 1 (ONC)(Springfield) (ONL)Toowoomba
Semester 2 (ONC)(Springfield) (ONL)Toowoomba
Units 1.0 (Teacher Education) Band 5

Students must be enrolled in one of the following: BEDU (Early Childhood or Primary or Primary+Special Educ or Special Educ or Primary+SHPE or Primary SHPE) or BECH (Early Childhood) Only - Enrolment is not permitted in EHH1100 if EDT3100 has been previously completed.

The aim of this course is to prepare graduates to implement the Technologies Learning Area of the Australian Curriculum. Pre-service educators in this course will develop an understanding of the different related subjects in the Technologies learning area (Design and Technologies and Digital Technologies) through an integrated approach to teaching and learning. The course will develop learners’ understanding of the curriculum and the practical application of the key ideas and concepts of the curriculum to the teaching and learning of Technologies through a focus on the Australian Curriculum: Technology, Information and Communication Technologies (ICTs) and General Capabilities, when designing from the Australian Curriculum. It integrates them into a teaching and learning sequence. Technologies draws on learners’ growing experience of community and the wider world and skills of the 21st Century focusing on Science, Technology, Engineering, Arts, and Mathematics (STEAM) subjects.

ELE1301 COMPUTER ENGINEERING (FHEC - UGRD)

Semester 1 (ONC)(Springfield) (ONL)Toowoomba
Semester 2 (ONC)(Springfield) (ONL)Toowoomba
Units 1.0 (Computer Engineering) Band 2

Students must be enrolled in one of the following: BEDU (Early Childhood or Primary or Primary+Special Educ or Special Educ or Primary+SHPE or Primary SHPE) Pre-requisite: BEDU (Early Childhood or Primary) or BECH (Early Childhood) Only - Enrolment is not permitted in ECH1301 if ECH1300 has been previously completed.

This course provides a fundamental understanding of the operation of the digital computer. It includes digital logic fundamentals; number systems; binary arithmetic; computer architecture; routing addressed modes; memory; instruction sets; machine and assembly language programming; analysis and design of microcomputer input/output methods; general interface techniques and an introduction to PLCs with practical examples.

ELE1502 ELECTRONIC CIRCUITS (FHEC - UGRD)

Semester 1 (ONC)(Springfield) (ONL)Toowoomba
Semester 2 (ONC)(Springfield) (ONL)Toowoomba
Units 1.0 (Electronics Engineering) Band 4

Students must be enrolled in one of the following: BEDU (Early Childhood or Primary or Primary+Special Educ or Special Educ or Primary+SHPE or Primary SHPE) or BEDU (Early Childhood or Primary) or BECH (Early Childhood) Only - Enrolment is not permitted in ECH1502 if ECH1500 has been previously completed.

This course introduces the fundamental ideas, theory and devices of electronics. It develops these ideas in an applied way to the extent that the student will be able to complete, to use integrated circuits, resistors and capacitors to arrange and build a range of circuits, and to analyse the electrical behaviour of mathematical principles to analyse simple circuits. The course is designed around a group of project work which will enable the students to build, test, and apply circuitry by an experimental approach, supplemented by the use of circuit analysis software. This approach is intended to enable students to gain an understanding of the principles involved in circuit analysis and the ability to design and build simple electronic circuits.

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ELE2504 ELECTRONIC DESIGN AND ANALYSIS (FHESC - UGRD)
Semester 2 (ONL)(Spring) Toowoomba (ONC) Toowoomba
Units 1.0 (Electrical Engineering) Band 2
Pre-requisite: ELE1502 or Students must be enrolled in one of the following Programs: GREN or GINS or GCCN or GCEC.

The electronic communications industry is an essential part of the modern world. It provides two-way communications for both voice and data services as well as radio and television broadcasts. This course introduces the building blocks and the principles on which typical electronic communication systems operate. It examines the nature of signals in both the time and frequency domains and considers how information signals may be transmitted using modulated carrier signals. Various types of modulated waveforms used in radio, data, and internet communications are also included. The course also covers fibre-optic communication systems.

ELE2601 TELECOMMUNICATIONS PRINCIPLES (FHESC - UGRD)
Semester 1 (ONL) Toowoomba (ONC) Toowoomba
Units 1.0 (Communications Technologies) Band 2
Pre-requisite: ELE1502 and ELE1801 or Students must be enrolled in one of the following Programs: GREN or GECN.

The purpose of this practice course is to provide experimental support for the 2nd and 3rd years of all programs in Electrical & Electronic, Computer Systems, and Power Engineering. This practice course provides equipment familiarisation and safety information, experience with prototyping together with experimental work in Power Electronics, Electrical Circuit Testing, Component and Circuit Characterisations, Process Control and Applied Control Techniques. The principle objective is to allow the student to develop practical skills; a knack edge of devices, equipment and techniques; reinforce the student's ability to analyse and develop fault isolation; realise the student's ability to design and develop safety and observability rules; stimulate in team and develop self-confidence.

ELE2702 ELECTRICAL MEASUREMENT AND ANALYSIS (FHESC - UGRD)
Semester 1 (ONL) Toowoomba (ONC) Toowoomba
Units 1.0 (Electrical Engineering) Band 2
Pre-requisite: ENG1502 or MAT1502 or ENM1502 or ENM1602. ELE1801 and Students must be enrolled in the following Program: GCEC.

The purpose of this practice course is to provide experimental support for the 2nd and 3rd years of all programs in Electrical & Electronic, Computer Systems, and Power Engineering. This practice course provides equipment familiarisation and safety information, experience with prototyping together with experimental work in Power Electronics, Electrical Circuit Testing, Component and Circuit Characterisations, Process Control and Applied Control Techniques. The principle objective is to allow the student to develop practical skills; a knack edge of devices, equipment and techniques; reinforce the student's ability to analyse and develop fault isolation; realise the student's ability to design and develop safety and observability rules; stimulate in team and develop self-confidence.

ELE2704 ELECTRICITY SUPPLY SYSTEMS (FHESC - UGRD)
Semester 2 (ONL) Toowoomba (ONC) Toowoomba
Units 1.0 (Electrical Engineering) Band 2
Pre-requisite: ELE1501 or Students must be enrolled in one of the following Programs: GCEM or GCEC or GECN.

This course introduces the principles and practical aspects of generation, transmission, control of electrical energy, and distribution. By the successful completion of this course, the student should be able to discuss the fundamental and economic considerations of planning and operating different types of electrical plant (genera and transmission lines, substations, cables, insulators and transmission lines), as well as principles of substation layout, control, instru mentation and protection. The student should also be aware of the theoretical principles of system stability, load flow, and fault analysis of power systems using computer software tools.

ELE2913 ELECTRICAL AND ELECTRONIC PRACTICE C (FHESC - UGRD)
Semester 2 (ONL)(Spring) EXT Toowoomba (ONC) Toowoomba
Units 0.0 (Elect and Elect Eng and Tech) Band 2
Pre-requisite: (ELE1301 and ELE1502 and ELE1801) or Students must be enrolled in one of the following Programs: GDER or GENS or GECN or GCEC.

The purpose of this practice course is to provide experimental support for the 2nd and 3rd years of all programs in Electrical & Electronic, Computer Systems, and Power Engineering. This practice course provides equipment familiarisation and safety information, experience with prototyping together with experimental work in Power Electronics, Electrical Circuit Testing, Component and Circuit Characterisations, Process Control and Applied Control Techniques. The principle objective is to allow the student to develop practical skills; a knack edge of devices, equipment and techniques; reinforce the student's ability to analyse and develop fault isolation; realise the student's ability to design and develop safety and observability rules; stimulate in team and develop self-confidence.

ELE307 signal processing (FHESC - UGRD)
Semester 2 (ONL) Toowoomba (ONC) Toowoomba
Units 1.0 (Electrical Engineering) Band 2
Pre-requisite: ELE2502 or Students must be enrolled in one of the following Programs: GDER or GENS or GECN or GCEC or GECM.

Signal processing is the treatment of signals to enable detection, classification, transmission or enhancement. Such signals may, for example, be audio signals in a mechanical process, music, speech or other audio, or a video image. This course aims to give the student a broad grounding in the theoretical and practical aspects of digital signal processing. Practical applications of signal processing are emphasised via directed experimentation and assignment work.

ELE305 COMPUTER SYSTEMS AND COMMUNICATIONS Protocols (FHESC - UGRD)
Semester 1 (ONL) Toowoomba (ONC) Toowoomba
Units 1.0 (Computer Engineering) Band 2
Pre-requisite: ELE1501 or Students must be enrolled in one of the following Programs: GCEC or GCEM or GECN or GECM.

This course introduces the principles and practical aspects of generation, transmission, control of electrical energy, and distribution. By the successful completion of this course, the student should be able to discuss the fundamental and economic considerations of planning and operating different types of electrical plant (genera and transmission lines, substations, cables, insulators and transmission lines), as well as principles of substation layout, control, instru mentation and protection. The student should also be aware of the theoretical principles of system stability, load flow, and fault analysis of power systems using computer software tools.
ELE3505 POWER ELECTRONICS PRINCIPLES AND APPLICATIONS (FHEC - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Industrial Engineering) Band 2
Pre-requisite: (ELE3150 and ELE3151) and ELE3152 and ELE3153 and Students must be enrolled in the following program: MENS or MEPR or GCNS or MEPR

Electric power electronics deals with the study of semiconductor devices and their applications in the industry. Power semiconductor switches, such as the diode, thyristor, and power transistor, are used in applications as switching devices. The modern electronic engineer requires knowledge of these devices and their applications in rectifier circuits, switching inverters, and control of renewable energy and switch-mode power supplies. Engineers need to be aware of the undesirable effects that any power electronic equipment imposes on both the supply system and the load, and how these effects may be minimised.

ELE3807 POWER SYSTEMS ANALYSIS (FHEC - UGRD)
Semester 1 (ONL)Toowoomba (ONL)Toowoomba
Units 1.0 (Electrical Engineering) Band 2

Engineers designing and managing electrical power networks need to be familiar with the mathematical tools and the computer-based techniques which are commonly used to analyse, operate and monitor such systems. The course deals with fault calculation, power flow, power system stability and economic operation.

ELE3914 ELECTRICAL AND ELECTRONIC PROFESSIONAL PRACTICE E (FHEC - UGRD)
Semester 2 (EXT)Toowoomba
Units 0.0 (Elect and Elect Eng and Tech) Band 2
Pre-requisite: (ELE1801 and ELE1802) and Students must be enrolled in one of the following Programs: MENS or MEPR

This course provides experience with a range of advanced electrical and electronic equipment of the kind not likely to be available for analysis in industry. This equipment includes advanced electronic test equipment, programmable computer based data acquisition systems and real-time simulation of power electronic systems. Students will learn how to work in teams using advanced electrical test equipment and will be expected to perform satisfactorily in this respect. The course covers the introduction to the use of software packages such as MathCad.

ELE3915 ELECTRICAL AND ELECTRONIC PROFESSIONAL PRACTICE E (FHEC - UGRD)
Semester 2 (EXT)Toowoomba
Units 0.0 (Elect and Elect Eng and Tech) Band 2
Pre-requisite: (ELE1801 and ELE1802) and Students must be enrolled in one of the following Programs: MENS or MEPR

This is the final technical practice course for Bachelor of Engineering students majoring in Electrical and Electronic or Computer Systems Engineering. This course provides experiential work and project work in the areas of automatic electrical test equipment, applied control theory, power systems, machine learning, Internet of Things and Web systems. The course aims to provide students with the knowledge and skills required to work in the electrical and electronics industry. Students will be expected to perform satisfactorily in this respect. The course covers the introduction to the use of software packages such as MathCad.

ELE4056 FIELD OF Waves and Rand (FHEC - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Communications Technologies) Band 2
Pre-requisite: (IMT1502 or ENN1803) and ELE2103 and ELE2601 or Students must be enrolled in one of the following Programs: MEPR or MENS or GCNS or GNDS

This is a fundamental requirement of an electrical engineer to convey electrical energy from one place to another, whether for the purpose of power or information transport. A pair of conductors used for this purpose constitute a transmission line, and for any appreciable distance, e.g. voltages and currents on the line must be regarded as a travelling wave - whether from a power station, in a radio receiver, or across a digital circuit board. The electric and magnetic fields associated with voltage and current may be similarly propagated as a travelling wave; such fields also constitute the basis of electrical machines and are the cause of much unwanted interference. Foremost, an understanding of both wave propagation and electromagnetic fields is essential in all branches of electrical engineering.

ELE4506 COMMUNICATION SYSTEMS (FHEC - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Communications Technologies) Band 2
Pre-requisite: (ELE2504 and ELE2601) or Students must be enrolled in one of the following Programs: GCEN or METC or MENS or MEPR or GNDS or MENS

The purpose of this course is to provide an introduction to the specialised techniques and components which are common to both digital and analog communication. The course is intended for final year electrical engineering students and focuses on the use of digital communication systems and techniques which are commonly used to analyse, operate and monitor such systems. The course deals with fault calculation, power flow, power system stability and economic operation. This course contains a mandatory residential school for external students and mandatory on-campus laboratories or practical classes for on-campus students.

ELE4607 ADVANCED DIGITAL COMMUNICATIONS (FHEC - UGRD)
Semester 1 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Communications Technologies) Band 2
Pre-requisite: ELE1301 and Students must be enrolled in one of the following Programs: GCEN or METC or GCNS or GNDS or MENS or MEPR

This course examines the methods used for coding, transmitting and storing continuous signals such as speech, music, images and video. The course covers such topics as data compression, encryption, and error control in a digital transmission system. The course also seeks to impart an understanding of current research problems in the digital communications field. It is thus suitable for students who may wish to undertake research and development work in this important field.

ELE5001 INDUSTRIAL COMMUNICATIONS PROTOCOLS (FHEC - PGRD)
Semester 1 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Communications Technologies) Band 2
Pre-requisite: ELE1301 and Students must be enrolled in one of the following Programs: GCNS, GNDS, MENS or MEPR

The course focuses on industrial control network technologies. It builds upon knowledge and skills acquired from undergraduate courses on data communication systems typically covering traditional local area network protocols such as Ethernet and higher level protocols such as TCP/IP. The major difference between industrial networks and traditional computer networks is in the ease of fault detection, isolation and resolution. This course introduces students to the problem solving cycle and to a number of problem solving tools and approaches for solving communication problems. The course is intended for final year electrical engineering students to demonstrate and reinforce the skills and knowledge acquired during the course.

ENG1002 INTRODUCTION TO ENGINEERING AND SPACIAL SCIENCES APPLICATIONS (FHEC - UGRD)
Semester 1 (ONC)Springfield (ONL)Toowoomba (ONL)Toowoomba
Semester 2 (ONC)Toowoomba
Units 1.0 (Engineering not classified) Band 2

This purpose of this course is to introduce students to the engineering and spatial sciences professions, to provide them with an understanding of the fundamentals of engineering science and to develop the basic skills necessary to effectively study in an engineering or spatial science discipline. Students will learn how to apply these skills and knowledge, using an engineering systems approach, to a range of authentic multidisciplinary engineering and spatial science problems. Topics covered include the nature of engineering and spatial science; fundamentals of engineering science and their application; study skills and an exposure to a range of professional skills including technical communications, calculation and presentation tools and information literacy.

ENG1003 PROBLEM SOLVING IN ENGINEERING AND THE BUILT ENVIRONMENT (FHEC - UGRD)
Semester 1 (ONC)Springfield (ONC)Toowoomba (ONL)Toowoomba
Semester 2 (ONC)Toowoomba
Units 1.0 (Engineering not classified) Band 2

This course provides students with a foundation for solving problems in Engineering, Construction Management and Spatial Science. The course emphasises the development of skills in critical thinking, information literacy, communication, time and resource management, and teamwork. It introduces students to the problem solving cycle and to a number of problem solving tools and approaches. Completion of a team-based project allows students to demonstrate and reinforce the skills and knowledge acquired during the course.

ENG1004 ENGINEERING PROBLEM SOLVING PRINCIPLES (FHEC - UGRD)
Semester 1 (ONC)Springfield (ONC)Toowoomba (ONL)Toowoomba
Semester 2 (ONC)Toowoomba
Units 1.0 (Computer Graphics) Band 2

The rationale for this course is to motivate students by fostering one of the most important skills, problem solving, and to provide them with effective problem solving tools and techniques that can be applied to a wide range of problems. This course introduces students to the problem solving cycle and to a number of problem solving tools and approaches for solving problems typically encountered in the engineering design process. This course is intended for final year electrical engineering students to demonstrate and reinforce the skills and knowledge acquired during the course.

ENG1100 INTRODUCTION TO ENGINEERING DESIGN (FHEC - UGRD)
Semester 2 (ONC)Springfield (ONC)Toowoomba (ONL)Toowoomba
Semester 2 (ONC)Toowoomba
Units 1.0 (Engineering not classified) Band 2

This course is the first of a series of Practice courses that are intended to enable students to acquire engineering and professional practice skills. Students will develop knowledge of current research problems in the digital communications field. It is thus suitable for students who may wish to undertake research and development work in this important field.

ENG1901 ENGINEERING PRACTICE 1 (FHEC - UGRD)
Semester 1 (ONC)Springfield (ONC)Toowoomba (ONL)Toowoomba
Semester 2 (ONC)Toowoomba
Units 0.0 (Engineering not classified) Band 2

This course is the first of a series of Practice courses that are intended to enable students to acquire engineering and professional practice skills. Students will develop knowledge of current research problems in the digital communications field. It is thus suitable for students who may wish to undertake research and development work in this important field.
Engineers have a sound educational base in the theory and application of technology, and they are well placed to play important roles as managers in manufacturing, construction and other engineering industries. Many engineers take on managerial roles during their careers, some within a few years of graduation. It is therefore essential that graduate engineers have an understanding of the basic principles of management and the fundamental business and management issues. Graduates also need an appreciation of the social environment within which they will practice, particularly those aspects of the law and ethics pertaining to the engineering profession.

ENG3104 ENGINEERING SIMULATIONS AND COMPUTATIONS (FHESC - UGRD)
Semester 2 (ONC)(Springfield ONL)(Toowoomba ONL)(Toowoomba On-site)
Units 2.0 (EnginTech not classified) Band 2
Pre-requisites: ENG2002 or MAT2010 or MAT2502 or Students must be enrolled in one of the following Programs: GEC4 or GED1 or METC or MEP1 or or SEMC

Of particular importance to the engineer is the ability to develop an appropriate model to describe the behaviour of an engineering system, and then to analyse that behaviour and apply engineering judgement in the interpretation of the results of that model. Often this model will be of a numerical nature and the engineer requires the ability to solve such numerical problems. The student will be required to develop skills in problem solving and in the use of a scripting language. The student will undertake a range of numerical computation exercises using a scripting language to develop and apply skills in problem solving within an engineering context. A number of real world prob lems and case studies will be used to motivate and meet this objective. Advanced numerical techniques and programming skills for the handling of non-linear, which is impossible to solve problems analytically through the usage of algorithms and calculus, will be learnt.

ENG3111 TECHNOLOGY DESIGN PROJECT (FHESC - UGRD)
Semester 1 (ONL)(Toowoomba ONL)
Semester 2 (ONL)(Toowoomba ONL)
Units 2.0 (EnginTech not classified) Band 2
Pre-requisite: ENG2002 or ENG2111 or Students must have completed 14 courses in their program. In this course, the student will be involved in a project which allows them to develop skills in project management, teamwork, problem solving, collaboration, negotiation and interpersonal skills. The student will complete a technology design project in their third year of study. The project will be in a discipline area that is different from their Associate Degree major.

ENG3107 ENGINEERING SIMULATIONS AND COMPUTATIONS Work Integrated Learning Project A (FHESC - UGRD)
Semester 2 (ONL)(Toowoomba ONL)
Units 1.0 (EnginTech not classified) Band 2
Pre-requisites: ENS3300 or MET2010 or MAT1502 or Students must be enrolled in one of the following Programs: GEC4 or GED1 or METC or MEP1 or or SEMC

The focus of this gateway course ENG3300 is to develop the student’s professional engineering perspective and formulation of professional engineering projects. The course is designed to enable students to plan out a design project for a discipline-related project, for which they will collectively communicate their engineering solution, within the specified time frame. The course will require students to demonstrate their skills in the application of theory and the practical application of knowledge. Suggested project topics from industry are available, but may not be offered. Students will be required to ensure thorough discussions with the project facilitator. Students will be encouraged to submit their CER and work diary electronically for review.

ENG3909 WORK EXPERIENCE - TECHNOLOGIST (FHESC - UGRD)
Semester 1 (ONL)(Toowoomba ONL)
Units 3.0 (EnginTech not classified) Band 2
Pre-requisites: Students must be enrolled in the BENS engineering practice sub-plan pathway.

The focus of this gateway course ENG3300 is to develop the student’s professional engineering perspective and formulation of professional engineering projects. The course is designed to enable students to plan out a design project for a discipline-related project, for which they will collectively communicate their engineering solution, within the specified time frame. The course will require students to demonstrate their skills in the application of theory and the practical application of knowledge. Suggested project topics from industry are available, but may not be offered. Students will be required to ensure thorough discussions with the project facilitator. Students will be encouraged to submit their CER and work diary electronically for review.

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ENG4004 ENGINEERING PROJECT AND OPERATIONS MANAGEMENT (FHESC - UGRD)
Semester 2 (ONC)(Springfield (ONL))Toowoomba (ONC)Toowoomba
Semester 3 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (EnginTech not classified) Band 2

This course provides students with the ability to critically evaluate research literature, conference papers and journal articles in order to determine the current state of knowledge. In addition, the course will instruct students in the principles of research methodology and the appropriate literature review techniques. It will also provide an understanding of the economical and financial implications of change and development.

ENG4909 WORK EXPERIENCE - PROFESSIONAL PRACTICE (FHEC - UGRD)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 0.0 (EnginTech not classified) Band 2

This work experience course provides students with an opportunity to acquire or enhance their personal and professional skills required for them to succeed in their respective engineering/management program. It is therefore undertaken by students in the last trimester of their final year of study. The course experiences are chosen by the student and their experience is assessed by the employer.

ENG4911 ENGINEERING RESEARCH METHODOLGY (FHEC - UGRD)
Semester 2 (ONC)(Springfield (ONL))Toowoomba (ONC)Toowoomba
Units 1.0 (EnginTech not classified) Band 2

Pre-requisite: ENG3902 and ENG4110

The project comprises ENG4111 Research Project Part 1 (immediately followed by ENG4112 Research Project Part 2) is intended to integrate the students' total formal engineering knowledge by means of its application to a real problem at the professional level. The course involves the student in the process of the search problem, to choose and apply appropriate methodology, to judge the degree to which conclusions are supported by data, to judge the logical consistency of written material and evaluate the outcome of a research project in terms of usable knowledge, and to design, defend and evaluate research proposals, and to apply techniques for writing clear and well expressed technical papers and reports.

ENG4112 RESEARCH PROJECT PART 2 (FHEC - UGRD)
Semester 2 (ONC)(Springfield (ONL))Toowoomba (ONC)Toowoomba
Semester 2 (Springfield (ONL))Toowoomba (ONC)Toowoomba
Units 1.0 (EnginTech not classified) Band 2

Pre-requisite: ENG4111

Following satisfactory progress in ENG4111 Research Project Part 1 in the preceding semester of offer, and with the continuing guidance of supervisor(s), the student will further develop skills spanning both the theoretical and practical domains of an engineering environment. This course will guide the student in the research process leading to a successful completion of a sound project.

ENG4903 PROFESSIONAL PRACTICE 2 (FHEC - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONL)Toowoomba
Units 0.0 (EnginTech not classified) Band 2

Pre-requisite: ENG3902

This professional practice course addresses the work undertaken, the performance requirements and responsibilities borne by the practitioners of professional engineering and spatial science. As the final practicum course in the Bachelor of Engineering and Bachelor of Spatial Science, this course is particularly concerned with the interaction with the professionals at large. It is also concerned with developing an awareness of professional ethics. A major part of all engineering and spatial science projects work is the appropriate communication of the outcome of the project. This provides guidance and experience in both verbal and written communication of the findings and skills and is undertaken to complement the courses ENG4111 Research Project Part 1 and ENG4112 Research Project Part 2. This course provides students with the opportunity to conduct and present their professional work in an appropriate manner.

ENG8205 TECHNOLOGY MANAGEMENT PRACTICE (FHEC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (EnginTech not classified) Band 2

An overview is made of products and markets. Food and subsistence, travel, entertainment and spectator sport, health and healing, industrial, technical areas, including manufacturing, construction, processing and plant supervision.

ENG8101 TECHNOLOGICAL IMPACT AND ITS MANAGEMENT (FHEC - PGRD)
Semester 1 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (EnginTech not classified) Band 2

The course seeks to review current technological development and its impact on the world on we live in. The relation between modern social and technological development is examined and the role of technological development on wealth creation and business is presented. The overall social need to manage such developments is assessed as well as Technology creation, transfer and exploitation.

ENG8103 MANAGEMENT OF TECHNOLOGICAL RISK (FHEC - PGRD)
Semester 2 (ONC)(Toowoomba (ONL))Toowoomba (ONC)Toowoomba
Units 1.0 (EnginTech not classified) Band 2

This course is concerned with the prediction and assessment of technical risk. It introduces a range of qualitative and quantitative methods to measure the risks of technological projects and processes in such a way that potential adverse outcomes are minimised and opportunities maximised. The techniques have broad application and may be applied in the management of many technical areas, including manufacturing, construction, processing and plant supervision.

ENG8111 PROJECT REQUIREMENTS MANAGEMENT (FHEC - PGRD)
Semester 2 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (EnginTech not classified) Band 2

The aim of the course is to introduce students to the critical role that requirements play in complex projects, to equip them with the tools required to define the role that requirements play throughout the lifecycle of a project. At the end of the course, students will have an appreciation of the critical role played by requirements in major projects, understand the attributes of effective requirements management, and know how requirements management occurs throughout the life of a complex project.

ENG8104 ENGINEERING PROJECT AND OPERATIONS MANAGEMENT (FHEC - PGRD)
Semester 1 (ONC)(Springfield (ONL))Toowoomba (ONC)Toowoomba
Semester 1 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (EnginTech not classified) Band 2

This course is designed to cover all aspects of Asset management applied to infrastructure. The students are guided through the theoretical development of an essential strategic concept managing in a new environment, development of strategic planning for asset management, economic management of assets including asset valuation, asset operations and maintenance, integrated asset management and, and computer based asset management systems.

ENG8206 WHOLE OF LIFE FACILITIES MANAGEMENT (FHEC - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Construction Engineering) Band 2

The aim of this course is to equip the manager of technological and engineering facilities with the skills to manage complex engineering facilities in a manner that optimises their operations, maintenance and renewal. Building on the strategic asset management principles developed in ENG1014 - Asset Management in Engineering Emancipation, this course is designed to cover all aspects of asset management applied to infrastructure. The students are guided through the theoretical development of an essential strategic concept managing in a new environment, development of strategic planning for asset management, economic management of assets including asset valuation, asset operations and maintenance, integrated asset management and, and computer based asset management systems.
Building on the foundation course of ENG8101 Technological Impact and Its Management, this course is designed to enable students to understand the commercial research and development process, appraise the factors which impact on innovation and its development from a managerial point of view, understand and apply the organisational, social and environmental factors which impact on product and process innovation, appreciate and manage the relevant risks, and understand key issues such as new product development and commercialisation.

ENG8208 ADVANCED ENGINEERING PROJECT MANAGEMENT (FHEC - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Civil Engineering n.e.c.) Band 2

As most engineering works have a clear purpose and stipulated end, they are regarded as projects. Ensuring an engineering project reaches fulfilment within its required constraints is the process of engineering project management. In this course the concepts, processes and tools of advanced engineering project management are explored. Students are guided through the historical background of project management, the project management environment, the elements of the project life cycle, the project management knowledge areas, the consideration of professional issues in the project management process and program management. The course concludes with a discussion of specialised and emerging project management topics, designed to improve project management outcomes.

ENG8300 SELF-ASSESSMENT PORTFOLIO (FHEC - PGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Semester 3 (ONL)Toowoomba
Units 1.0 (EngTech not classified) Band 2

Students are required to take this course when they first enrol in the Master of Engineering Practice program. During this course students will prepare a portfolio consisting of a number of significant written works. The major activity in this course requires students to undertake a self-assessment of their existing attributes and capabilities against those required for the program. They will then be required to produce a Pathway to Graduation Plan in which they will plan the content of the Workplace Portfolio and Industrial Project courses that they will use to demonstrate their existing attributes and capabilities, and the Technical courses they will undertake in the program to enable them to satisfy the remaining attribute and capability requirements. The second component of the course requires students to write a Career Episode Report that demonstrate their achievement of one or more of the attributes or capabilities. The information in a Career Episode Report must be verified and endorsed by a professional engineer. Normally there will be a considerable amount of negotiation between the examiner and the student before the final versions of the Pathway to Graduation Plan and the other portfolio documents are submitted.

ENG8308 INDUSTRY PROJECT (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Semester 3 (ONL)Toowoomba
Units 2.0 (Process and Resources Engineer) Band 2

Pre-requisite: ENG8090 or Students must be enrolled in the following program: MENC or MAEN

This course provides a vehicle for students to demonstrate their applied theoretical knowledge in the solution of an engineering problem or as part of a larger project which they have undertaken in the workplace. With appropriate supervision, the student will further develop their skills in documenting their contribution spanning both the technical and non-technical dimensions of engineering and spatial science at the professional level. Students are expected to produce an accurate and detailed written account of their work supported by appropriate background information and literature as appropriate to the project and to demonstrate their knowledge and application of theory.

ENG8311 WORKPLACE PORTFOLIO (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Semester 3 (ONL)Toowoomba
Units 2.0 (EngTech not classified) Band 2
Pre-requisite: ENG8300

Students satisfy the Workplace Portfolio requirements of the Master of Engineering Practice program by satisfactorily completing two courses, this course and one of the two courses in ENG8308 Industrial Project. Students may undertake the courses in any order but overall must demonstrate all of the competencies outlined in ENG8300 Self Assessment Portfolio. Together, these courses are designed to enable students to use the knowledge and skills they have gained in the workplace to demonstrate (a) compliance with Engineers Australia’s Stage 1 competencies, and (b) compliance with the discipline specific competencies defined in their Self-assessment Portfolio in the course ENG8300. The competencies outlined in this course are mapped to Stage 2 competencies, and hence, could be used as preparation to submit Career Episode Reports (CEPs) to Engineers Australia’s eChartered upon graduating from the MPEP program. During this course, students will prepare the Career Episode Reports that were defined in their Self-assessment Portfolio in the course ENG8300. In each Career Episode Report students will demonstrate their achievement of one or more of the competencies, or as they are described in EA documents, “Elements”. The information in each Career Episode Report must be verified and endorsed by a professional engineer when the final version is submitted. When completed, the portfolio should demonstrate that the student has achieved the required Elements that they indicated would be addressed in ENG8300 Self Assessment Portfolio.

ENG8411 MASTERS ENGINEERING RESEARCH PROJECT A (FHESC - PGRD)
Semester 1 (ONL)Toowoomba (ONC)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (EngTech not classified) Band 2
Pre-requisite: ENG8001 and normally have satisfactory academic standing and completed 50% of the courses in the program

The project (comprising ENG8411 Masters Engineering Research Project A) is immediately followed by ENG8412 Masters Engineering Research Project B (the research project) and augments the student’s formal total knowledge by means of its application to a real problem at the appropriate professional level. This course (being the first half of the project) will comprise firstly the selection, negotiation and approval of a project by the student and the student’s advisor. Following this the student will (i) research the background, context and literature, (ii) develop an appropriate methodology to demonstrate a sound appreciation of the overall task and its constraints by formulating, and (iii) make substantial progress in the execution of the work.

ENG8412 MASTERS ENGINEERING RESEARCH PROJECT B (FHESC - PGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 2.0 (EngTech not classified) Band 2
Pre-requisite: ENG8411

Following satisfactory progress in ENG8411 Masters Engineering Research Project A in the preceding semester of offer, and with the continuing guidance of supervisors, the student will further develop skills spanning both the technical and non-technical dimensions of engineering and spatial science at the professional level. The student will study and replicate the techniques, style and format of the academic thesis and present the total project work (comprising ENG8411 Masters Engineering Research Project A and ENG8412 Masters Engineering Research Project B) as a thesis.

ENG8414 MASTERS ENGINEERING RESEARCH PROJECT D (FHESC - PGRD)
Semester 1 (ONL)Toowoomba (ONC)Toowoomba
Semester 2 (ONL)Toowoomba (ONC)Toowoomba
Units 4.0 (EngTech not classified) Band 2
Pre-requisite: ENG8411

This course provides a vehicle for students to apply their formal knowledge to the solution of an engineering problem. With appropriate supervision, students will define and analyse the problem, and then develop and evaluate possible solutions. Where possible, the solution to the problem will be trialled using appropriate hardware. Students are expected to produce an accurate and detailed written account of their work.

ENG8901 ENGINEERING RESEARCH PROJECT A (FHESC - RSCH)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 2.0 (EngTech not classified) Band 2
Pre-requisite: ENG8991

This course provides a vehicle to undertake research in engineering under the supervision of selected staff members.

ENG8902 ENGINEERING RESEARCH PROJECT B (FHESC - RSCH)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 2.0 (EngTech not classified) Band 2
Pre-requisite: ENG8992

Full time research in engineering under the supervision of selected staff members.

EN1100 INTRODUCTION TO LITERATURE (FBELA - UGRD)
Semester 1 (ONL)Springfield (ONC)Toowoomba (ONC)Toowoomba
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Literature) Band 1

Introduction to Literature is designed as a foundation course in literary and cultural studies. It introduces students to basic skills of reading, interpretation, research and essay writing. Through studies of literary forms, the course develops self-directed learning skills and a familiarity with the tools of critical analysis.

EN1101 AUSTRALIAN STORIES - FEROCIOUS IN NARRATIVE TIME (FBELA - UGRD)
Semester 2 (ONC)Springfield (ONC)Toowoomba
Units 1.0 (Literature) Band 1

This course serves as an introduction to Australian stories and their role in the formation of cultural identities. It examines the relationship between Australian cultural identity and history, and cultural and political values.

EN1104 GOTHIC STORIES: TERROR OVER TIME (FBELA - UGRD)
Semester 2 (ONC)Springfield (ONC)Toowoomba
Units 1.0 (Literature) Band 1

In this course students will trace some of the most important concerns in the Gothic tradition from its origins in the eighteenth century until the present day in order to develop a critical appreciation of this genre in both narrative and cultural terms. This focused analysis of one of the most influential genres in literary history will build on competency in research skills, develop knowledge of narrative techniques and literary history and theory, and improve proficiency in literary and cultural analysis.

EN1205 SHAKESPEARE AND EARLY MODERN LITERATURE (FBELA - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Literature) Band 1

Shakespeare’s plays and poetry formed part of a flourishing period of literary and theatrical innovation. Yet the nature of this period has been the subject of changing opinion known once as the Golden Age, then given the name ‘Renaissance,’ and more recently called the Early Modern Period. This course examines the literature of this period in its social contexts and explores the place of Shakespeare in the Elizabethan drama. Students will develop the ability to critically received scholarly opinion on the work of Shakespeare and his co-writers.

EN1206 LITERATURE AND ADOLESCENCE: WRITING THE CHILD (FBELA - UGRD)
Semester 1 (ONL)Springfield (ONC)Toowoomba
Units 1.0 (Literature) Band 1

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ENL3007 SPECULATIVE FICTIONS / SCIENCE FICTION (FBELA - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Literature) Band 1
This course examines a range of popular cultural and critical texts in the fields of science fiction, speculative fiction and the study of contemporary literature. Students will have the unique opportunity to examine visions of the future and the uncertain present produced by some of the most imaginative writers and fantasists of the past century. There will also be an opportunity for student papers to be published in a peer-reviewed undergraduate journal facilitated by English Literature and Creative Writing staff and students. Students will be encouraged to develop their skills in close reading, comparative analysis and critique. The course will enable students to become engaged readers of narratives of the future and the present.

ENL3008 THE LITERARY CANON: HOW TO READ GREAT BOOKS (FBELA - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Literature) Band 1
Pre-requisite: ENL1000 or ENL1001
This course will introduce students to English and European literatures of the early twentieth century. It will examine prose and poetry of the Modernist period as means of framing reading strategies and critical debates. The course also considers the set texts within their social historical context.

ENL3009 ADDITIONAL ENGLISH LITERATURE (FBELA - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Literature) Band 1
This course provides students with a range of strategies for reading ‘great books’ in the context of celebrated English Literary traditions. These texts will be examined in terms of their sophistication and value, framed within the context of critical debates about the relationship between the Classical, the literary and the social and political functions of an English literary canon.

ENL3010 LAW AND LITERATURE (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Literature) Band 1
This course examines a range of popular cultural and theoretical texts that discuss and portray law, justice, and related matters. By bringing together theory, law, and culture, students will have the unique opportunity to engage in a comparative evaluation of what law means to society, what law does outside of traditional legal modes, and how law envelops us all, with consequences ranging from the local to the brilliant and the world. Using a number of authoritative, critical, and popular texts, students will be encouraged to develop their skills in close reading, comparative analysis, and critical thinking. The course will enable students to become engaged readers of legal and rhetorical narratives.

ENL3012 LITERATURE IN ADAPTATION (FBELA - UGRD)
Semester 2 (ONC)Springfield (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Literature) Band 1
Adaptation Studies is the site of emerging critical and cultural debates. This version produced 1 Nov 2018.CRICOS: QLD 00244B, NSW 02225M | TEQSA: PRV12081
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Consult the Handbook on the Web at http://www.usq.edu.au/handbook/current for any updates that may occur during the year.

ENL3015 ENGLISH 101: THE MADWOMAN AND THE MEDUSA, WOMEN’S WRITING SINCE THE 19TH CENTURY (MASTERS) (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Literature) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: MSTA or MARA or BAHN. Enrolment is not permitted in ENL8013 if ENL4013 has been previously completed.
The aim of this course is to examine the transnational circulation of modern literary classics from around the world. It will study debates about the character, function and operation of a transnational literary field - what Pascale Casanova calls ‘the world republic of literature’. It will also present 6 case studies of specific writers and books.

ENL3016 THE MADWOMAN AND THE MEDUSA: WOMEN’S WRITING SINCE THE 19TH CENTURY (MASTERS) (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Literature) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: MSTA or MARA or BAHN. Enrolment is not permitted in ENL8013 if ENL4013 has been previously completed.
This course provides students with an expert, contemporary understanding of the Madwoman and Medusa, women’s writing since the 19th century. Engaging in and shaping future directions for theory. The practical stream provides coverage of important theories of literature and a number of current debates, and students will develop strategies for engaging in and shaping future directions for theory. The practical stream focuses on critical readings of a number of literary texts, using established reading approaches and practical techniques for producing publishable literary criticism and higher degree research in the field. The two streams culminate in a major assessment item in which students will prepare an innovative reading of a major literary text as work on an application of their ideas for new directions in theory.

ENL4011 THEORY AND PRACTICE IN THE SCHOLARSHIP OF ENGLISH LITERATURE (FBELA - UGRD)
Semester 2 (ONL)Toowoomba
Units 2.0 (Literature) Band 1
Pre-requisite: Students must be enrolled in the following Program: BAHN
This 2-unit Honours seminar course covers current debates and epistemological concerns in the scholarship of English Literature for academic and professional purposes. The course is delivered in two streams - one practical and one theoretical - via online delivery through weekly readings, activities, and group discussion forums. The theoretical stream provides coverage of important theories of literature and a number of current debates, and students will develop strategies for engaging in and shaping future directions for theory. The practical stream focuses on critical readings of a number of literary texts, using established reading approaches and practical techniques for producing publishable literary criticism and higher degree research in the field. The two streams culminate in a major assessment item in which students will prepare an innovative reading of a major literary text as work on an application of their ideas for new directions in theory.

ENL4012 THE MADWOMAN AND THE MEDUSA: WOMEN’S WRITING SINCE THE 19TH CENTURY (MASTERS) (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Literature) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: MSTA or MARA or BAHN. Enrolment is not permitted in ENL8013 if ENL4013 has been previously completed.
This course provides students with an expert, contemporary understanding of the Madwoman and Medusa, women’s writing since the 19th century. Engaging in and shaping future directions for theory. The practical stream provides coverage of important theories of literature and a number of current debates, and students will develop strategies for engaging in and shaping future directions for theory. The practical stream focuses on critical readings of a number of literary texts, using established reading approaches and practical techniques for producing publishable literary criticism and higher degree research in the field. The two streams culminate in a major assessment item in which students will prepare an innovative reading of a major literary text as work on an application of their ideas for new directions in theory.

ENM1500 INTRODUCTORY ENGINEERING MATHEMATICS (FHESC - UGRD)
Semester 1 (ONC)Springfield (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Mathematics) Band 1
Pre-requisite: ENM1600 or Students must be enrolled in one of the following Programs: GCEN or METC or MENS or GDNS or MEPR
This course provides the required knowledge of both chemistry and microbiology in order to understand more advanced courses in envir.

ENV2013 HYDRAULICS I (FHESC - UGRD)
Semester 1 (ONC)Springfield (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Engineering) Band 1
Pre-requisite: CIV1500 or CIV1501 or Students must be enrolled in one of the following Program: GCEN
In common with many other areas of engineering, the body of knowledge within the traditional fluid mechanics areas has expanded so rapidly to a point where the different disciplines of engineering need different specialised knowledge. This is reflected in the acceptance of “hydraulics” or “hydraulics” in the traditional fluid mechanics fields of study as the prime interest to civil, mining, environmental and agricultural engineers. Since water can largely be regarded as incompressible, some of the traditional concepts of fluid mechanics need only briefly to permit a greater grounding in the problems of irrigation and drainage. The course seeks to provide grounding in fluid statics, steady uniform and non-uniform incompressible flow in pipes and channels, pumped systems, culvert hydraulics and flow measurement.

ENV2015 APPLIED CHEMISTRY AND MICROBIOLOGY (FHESC - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Natural and Physical Sciences) Band 2
This course provides the required knowledge of both chemistry and microbiology in order to understand more advanced courses in envi.

ENV2201 LAND STUDIES (FHESC - UGRD)
Semester 1 (ONC)Springfield (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Environmental Studies not else) Band 2
Pre-requisite: ENM1600 or Students must be enrolled in one of the following Programs: GCEN or METC or MENS or GDNS or MEPR
This course provides the required knowledge of both chemistry and microbiology in order to understand more advanced courses in envir.
ENV2902 HYDRAULICS PRACTICE (FHESC - UGRD)
Semester 2 (ONC) (Spr/Evt) (EXT) Toowoomba (ONC) Toowoomba Units 0.0 (Water and Sanitary Engineering) Band 2
Pre-requisite: ENV2103 or ENV1101
This course covers a range of experimental activities in the area of Hydraulics. Students will conduct testing and experimental work in a team environment in the Laboratory and/or remotely via internet access. Students will then analyse and present the subsequent results on an individual basis. Laboratory sessions provide for a better understanding of relevant theory and calibration techniques for flow measuring devices through hands on experience. This course connects for external students and mandatory on-campus laboratories for on-campus students.

ENV3103 ENVIRONMENTAL POLLUTION (FHESC - UGRD)
Semester 2 (ONC) Toowoomba (ONL) Toowoomba Units 1.0 (Environmental Engineering) Band 2
Pre-requisite: ENV2103 and ENV1101 or Students must be enrolled in one of the following Programs: GCEN or METC or GCNS or MENS or GCNS or MENS or GCNS or MENS or GCNS or MENS
The purpose of this course is to allow students to develop an understanding of how the sources and environmental effects of pollutants are conceptualised, modelled and monitored. Air, water and soil pollution issues are covered in addition to noise and odour. Concepts used to measure the key pollutants are introduced and the methods used to reduce them are discussed. Pollutants are categorised as point and non-point sources, and the significance of point sources is recognised.

ENV4106 IRRIGATION SCIENCE (FHESC - UGRD)
Semester 2 (ONL) Toowoomba (ONC) Toowoomba Units 1.0 (EngTech not classified) Band 2
Pre-requisite: AG3301 or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or GCNS or MENS or MENS or GCNS or MENS
This course will address the diverse learning needs of literacy learners in mainstream English classroom and how teachers can assess, plan and cater for these differences. This course will take a social justice lens to exploring the role of literacy in different contexts. Course activities will provide opportunities for learners to develop grammatical skills and knowledge while learning about the effective teaching of language.

ENV4202 WATER AND WASTEWATER TREATMENT (FHESC - UGRD)
Semester 1 (ONL) Toowoomba Units 1.0 (Water and Sanitary Engineering) Band 2
Pre-requisite: ENV4205 and ENV1101 or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or GCNS or MENS or GCNS or MENS or GCNS or MENS
This course revises and builds upon the principles of water and wastewater treatment introduced in ENV4205 Public Health Engineering course. The course aims to develop a higher level of expertise, principally in the areas of water and wastewater treatment methodology, and the design and operation of wastewater treatment facilities.

EPA320 ARTS CURRICULUM AND PEDAGOGY 2: INTEGRATING ARTS IN THE CLASSROOM (FBELA - UGRD)
Semester 2 (ONC) Toowoomba Units 1.0 (Teacher Education Primary) Band 5
Pre-requisite: Students must be enrolled in the following Program: BBU (Primary)
Building upon the foundation established in the first arts course this course encourages further in-depth exploration of the five arts sub-jects: Dance, Drama, Media Arts, Music and Visual Arts and provides pre-service teachers with the tools to both teach the Arts and also to understand how to integrate arts-based approaches to assist teaching across the learning areas of the Australian Curriculum such as English, Mathematics, Humanities and Social Sciences, Technologies, Health and Physical Education and Languages. This course will enable pre-service teachers to teach with, about, in and through the arts and understand and utilise important knowledge relevant to arts integration.

EPE2021 CATERING FOR DIVERSITY IN PRIMARY LEARNING (FBELA - UGRD)
Semester 2 (ONC) Toowoomba Units 1.0 (English as a Second Language) Band 5
Pre-requisite: BBU (Primary) Only - EDP2111
This course provides an in-depth study of grammar as a resource for making meaning with a focus on the functional uses of language. Course activities will provide opportunities for learners to develop grammatical skills and knowledge while learning about the effective teaching of language.

EPF3100 TEACHING IN ALTERNATIVE CONTEXTS (FBELA - UGRD)
Semester 1 (ONL) Toowoomba Units 1.0 (Teacher Education not elsewhere) Band 5
Pre-requisite: Students must be enrolled in the following Program: BBU (Primary) Enrolment is not permitted in EPF3100 or EDSC3301 has been previously completed
This course involves a case-based approach to immerse pre-service teachers in a number of relevant alternative education settings that represent the complex nature of these locations, with a particular focus on structure, student expectations, and social issues. Course activities will explore the diverse context of teaching in alternative contexts. This course will enable pre-service teachers to develop an understanding of diverse educational and social contexts and identify effective strategies for working in these environments.

CRICOS: QLD 00244G, NSW 02225M | TEQSA: PRV12081
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EPL2200 EALD LEARNING AND INTERCULTURAL COMPETENCIES (FBEA - UGRD)

Semester 2 (ONL)Toowoomba
Units 1.0 (English as a Second/Language Teaching) Band 5
Pre-requisite: EBDU (Primary) Only - EDP1111

This course is designed for pre-service teachers to develop their understanding of literacy and language as a whole and the cognitive processes involved in second language learning and the advantages in contributing to the enhancement of learners’ understanding. This course will focus on the teaching of mathematics with a particular emphasis on teaching content knowledge to diverse learners. Learners become familiar with the potential needs of second language learners through the broad phases of their development. The course helps pre-service teachers to develop strategies that promote the development of language learning. It is designed to provide pre-service teachers with the opportunity to develop and apply strategies for structuring and leading learning activities by sequencing and integrating language learning activities. It includes a range of activities, questioning, using a whiteboard, etc) that are embedded in the coursework and observation tasks. This course contains a 10-day professional experience placement of five specified single days in the coursework and observation tasks. This course contains a 10-day professional experience placement of five specified single days in the coursework and observation tasks.

EPM4100 MATHEMATICS IN CONTEXT (FBEA - UGRD)

Semester 1 (ONC)Toowoomba
Units 1.0 (Teacher Education: Primary) Band 5
Pre-requisite: Students must be enrolled in one of the following Programs: BEDU (Primary) or BEDU (Primary + Special Education) or BDEH (Primary) or BDEH (Primary + Special Education). Enrolment is not permitted in EPM4100 if EPM3010 or EPM3015 has been previously completed

This course provides pre-service teachers with an opportunity to reflect upon and to develop an understanding of concepts that are central to mathematics curricula. It also provides an opportunity for pre-service teachers to consider the cross-curricula implications and opportunities afforded by the development of these mathematical ideas and their development. It will enable them to be informed professionals. The course includes the development of a critical orientation towards numeracy integration in the media, data interpretation and analysis and how it informs teaching and learning, an appreciation of the importance of quantitative understandings to the personal and professional lives of all teachers in different school contexts, and across different learning areas.

EPM4200 LEARNING MATHEMATICS WITH TECHNOLOGY (FBEA - UGRD)

Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education not elsewhere) Band 5
Pre-requisite: BEDU (Primary) Only - EDP1111

This course deepens pre-service educators’ pedagogical content knowledge by the skills and understandings needed to develop professional in using technology to teach mathematics. Throughout the course, the emphasis will be placed on developing a variety of theoretical perspectives such as technological knowledge, pedagogical content knowledge and mathematical content knowledge and strategies to integrate technology in teaching mathematics. This will help pre-service educators to develop their knowledge and understanding of technology integrated mathematics teaching in primary context.

EPP1100 THINKING AND ACTING LIKE A TEACHER 1 (FBEA - UGRD)

Semester 1 (ONC)On-campus (EXT)Toowoomba
Units 1.0 (Teacher Education: Primary) Band 5
Pre-requisite: EDH2254 or SPE3005 and Students must be enrolled in one of the following Programs: BEDU (Primary) or BEDU (Primary + Special Education) or BDEH (Primary) or BDEH (Primary + Special Education). Enrolment is not permitted in EPP3100 if EDH3100 has been previously completed

This is the first of a suite of eight Practice meets Theory courses that affords pre-service teachers the opportunities to connect to real-world teaching contexts, scaffolding their development towards graduate teacher capabilities. Coursework enables pre-service teachers to begin thinking and acting like a teacher. This first year first semester introductory course equips pre-service teachers to attend and observe teachers at work. Specifically, pre-service teachers will focus on the micro-skills of teaching (gaining attention, eye contact, positioning, tone of voice, language, supervising learning activities, questioning, using a whiteboard, etc) that are embedded in the coursework and observation tasks. This course contains a 10-day professional experience placement of five specified single days and one full week. For full details of the professional experience particulars, refer to the Professional Experience website and the Professional Experience Book.

EPP3100 PRACTISING AS A PROFESSIONAL TEACHER I (FBEA - UGRD)

Semester 1 (ONC)On-campus (EXT)Toowoomba
Units 1.0 (Teacher Education: Primary) Band 5
Pre-requisite: EDDP2222 or SPE3005 and Students must be enrolled in one of the following Programs: BEDU (Primary) or BDEU (Primary + Special Education) or BDEH (Primary) or BDEH (Primary + Special Education). Enrolment is not permitted in EPP3100 if EDH3100 has been previously completed

The beginning of the school year is a pivotal time for educators. In this fifth Practice meets Theory course, pre-service teachers will be required to undertake a three-week (15 days) professional experience early in the school year. Pre-service teachers will observe and assist the classroom teacher during the classroom environment and, physical and relational, during this establishment phase. This course will also include pre-service teachers to plan and practice assessment tasks which embed the general capabilities and cross-curricula priorities within the Australian Curriculum. There is an opportunity for pre-service teachers to explore a variety of legislative, legal, administrative and procedural aspects of teachers. For full details of the Professional Experience particulars, please refer to the Professional Experience website and the Professional Experience Book.

EPP3200 PRACTISING AS A PROFESSIONAL TEACHER II (FBEA - UGRD)

Semester 1 (EXT)Toowoomba
Units 2.0 (Teacher Education not elsewhere) Band 5
Pre-requisite: EDP1111 and (EPP2222 or SPE3005) and Students must be enrolled in one of the following Programs: BEDU (Primary) or BDEU (Primary + Special Education) or BDEH (Primary) or BDEH (Primary + Special Education). Enrolment is not permitted in EPP3200 if EDP3333 has been previously completed

This course builds on the professional experience previously undertaken and allows pre-service teachers to observe and analyse mathematics and science teaching and learning. This course provides pre-service teachers to experience collaborative learning and to consider the integration of ICT, literacy, numeracy and design technology with science.

EPS3200 TEACHING CHEMISTRY AND EARTH SCIENCE (FBEA - UGRD)

Semester 1 (ONL)Toowoomba
Units 1.0 (Teacher Education not elsewhere) Band 5
Pre-requisite: BEDU (Primary) Only - EDP1111

This course is designed for pre-service teachers to actively adapt a classic science inquiry approach, the SEAs Teaching and Learning Model (En gage, Explore, Elaborate, Elaborate), to answer a question that integrates aspects of Chemical and Earth Sciences. Pre-service teachers will complete with their students a guided inquiry to answer a question that integrates aspects of Chemical and Earth Sciences. Pre-service teachers will be encouraged to develop their understanding of science communication skills by producing a visual presentation of their learning. To enhance their understanding of what science inquiry comprises, science inquiry will be assessed. This course allows pre-service teachers to experience collaboratively learning and teaching in the context of Earth and Chemistry.

EPS4200 TEACHING PHYSICS AND SPACE SCIENCE (FBEA - UGRD)

Semester 2 (ONL)Toowoomba
Units 1.0 (Teacher Education not elsewhere) Band 5
Pre-requisite: BEDU (Primary) Only - EDP1111

This course is designed for pre-service teachers to actively adapt a classic science inquiry approach, the SEAs Teaching and Learning Model (Engage, Explore, Elaborate, Elaborate), to answer a question that integrates aspects of Chemical and Earth Sciences. Pre-service teachers will complete with their students a guided inquiry to answer a question that integrates aspects of Chemical and Earth Sciences. Pre-service teachers will be encouraged to develop their understanding of science communication skills by producing a visual presentation of their learning. To enhance their understanding of what science inquiry comprises, science inquiry will be assessed. This course allows pre-service teachers to experience collaboratively learning and teaching in the context of Physics and Space Science.
ESB2100 POSITIVE BEHAVIOUR FOR LEARNING AND RESPONSIBILITY (FBEA - UGRD)
Units 1.0 (Teacher Education: Secondary: Band 5)
Pre-requisite: Units 1.0 of ESB1100 and either EMD1100 or EMD2100. Enrolment is not permitted in ESB1100 or EDC1200 has been previously completed.

The aim of this pre-service course is to enhance teacher efficacy in the contemporary secondary classroom. This course defines the classroom as a site for facilitating learning and teaching, and, in the process, helps pre-service teachers to take personal responsibility for their learners' ability and the capability of the learners to meet expectations. The course begins with an exploration of what teacher expectations are, the importance of teacher expectations for students, and the strategies to foster learning. The course also addresses the role of the teacher in shaping students' behavior. The course will help pre-service teachers to develop strategies for fostering positive classroom environments and creating a safe, supportive, and inclusive learning environment.

ESI3006 DEVELOPMENTAL DIFFERENCES IN LEARNING IN SECONDARY CONTEXT (FBEA - UGRD)
Units 1.0 (Teacher Education: Secondary: Band 5)
This course will explore the range of learning differences (situational and developmental) that are associated with a range of cognitive, social, and emotional needs. Pre-service teachers will develop strategies to appropriately accommodate the learning needs of diverse learners.

This course aims to equip pre-service teachers with the knowledge and skills necessary to understand and accommodate the learning needs of diverse learners in the secondary classroom. The course will address the implications of diversity in learning and the strategies for creating inclusive classrooms. The course will also provide pre-service teachers with the tools to assess and support the learning needs of diverse learners. The course will help pre-service teachers to develop strategies for creating a safe and inclusive learning environment.

ESD1100 ADOLESCENCE TO ADULTHOOD DEVELOPMENT (FBEA - UGRD)
Units 1.0 (Teacher Education: Secondary: Band 5)
Enrolment is not permitted in ESI1100 and EDC1200 has been previously completed.

This course offers an introduction to the key concepts and issues related to adolescent and adult development and how this is linked to teaching practice. The course provides an overview of the successes and changes pertaining to the physical, cognitive, and psychosocial development of adolescents and adults. The course introduces key theoretical approaches to adolescent and adult development, and introduces key theories and concepts, including behaviourism, cognitivism, and constructivism.

This course will be of particular interest to pre-service teachers who are interested in gaining a deeper understanding of adolescent and adult development. The course will provide pre-service teachers with the knowledge and skills necessary to understand and support the development of students in secondary and higher education settings.

ESF1100 THE EDUCATOR AS PROFESSIONAL (FBEA - UGRD)
Units 1.0 (Teacher Education: Secondary: Band 5)
Enrolment is not permitted in ESI1100 or EDC1200 has been previously completed.

The purpose of this first year course is to introduce pre-service teachers to the professional practice of teaching. It provides pre-service teachers with an understanding of the requirements of the Code of Conduct for Teachers and the importance of ethical beliefs and actions in the development and execution of a professional practice. It also provides pre-service teachers with the opportunity to work towards the development of a professional identity as an educator through the exploration of the key concepts and issues related to teaching and learning in a secondary context.

This course is designed to equip pre-service teachers with the knowledge and skills necessary to understand and support the development of students in secondary and higher education settings. The course will provide pre-service teachers with the knowledge and skills necessary to understand and support the development of students in secondary and higher education settings.

ESG2000 CHALLENGING BEHAVIOUR: A FUNCTIONAL APPROACH IN SECONDARY CONTEXT (FBEA - UGRD)
Units 1.0 (Teacher Education: Secondary: Band 5)

This course will focus on the development of strategies and practices to manage challenging behaviour in the secondary classroom. It will address the prevalence and impact of challenging behaviour, the psychological and social factors that contribute to challenging behaviour, and the strategies that can be implemented to support learners with challenging behaviour. The course will provide pre-service teachers with the knowledge and skills necessary to manage challenging behaviour in the secondary classroom.

ESI4100 PROMOTING INCLUSIVE PRACTICES (FBEA - UGRD)
Units 1.0 (Teacher Education: Secondary: Band 5)
This course is designed to provide pre-service teachers with the knowledge and skills necessary to understand and support the development of students with special needs in secondary education. It provides pre-service teachers with an understanding of the range of learning differences and the implications of this diversity for planning, teaching, and assessing participation and learning. The course will focus on the importance of setting appropriate learning targets and planning effective teaching and learning strategies for diverse learners.

This course will equip pre-service teachers with the knowledge and skills necessary to understand and support the development of students with special needs in secondary education. The course will provide pre-service teachers with the knowledge and skills necessary to understand and support the development of students with special needs in secondary education. The course will provide pre-service teachers with the knowledge and skills necessary to understand and support the development of students with special needs in secondary education.

ESN4200 NUMERACY AND LEARNING ANALYTICS (FBEA - UGRD)
Units 1.0 (Teacher Education: Secondary: Band 5)
Enrolment is not permitted in ESI4100 if EDS2402 has been previously completed.

This course provides an introduction to the key concepts and issues related to numeracy and learning analytics. The course will address the importance of numeracy and learning analytics in secondary education and the role of technology in supporting numeracy and learning analytics. The course will also provide pre-service teachers with the knowledge and skills necessary to understand and support the development of students with numeracy and learning analytics needs.

This course is designed to equip pre-service teachers with the knowledge and skills necessary to understand and support the development of students with numeracy and learning analytics needs in secondary education. The course will provide pre-service teachers with the knowledge and skills necessary to understand and support the development of students with numeracy and learning analytics needs in secondary education.

ESP1200 THE BEGINNING TEACHER (FBEA - UGRD)
Semester 1 (ONC)(Spring)(Ext)(Toowoomba)(OCC)Toowoomba
Semester 1 (ONC)(Spring)(Ext)(Toowoomba)(OCC)Toowoomba
Units 1.0 (Teacher Education: Secondary: Band 5)
Enrolment is not permitted in ESI1100 if EMD1100 or EDC2100 has been previously completed.

This course is designed to help pre-service teachers to develop knowledge about teaching, learning, and the curriculum. The course will provide pre-service teachers with the knowledge and skills necessary to understand and support the development of students in secondary education. The course will provide pre-service teachers with the knowledge and skills necessary to understand and support the development of students in secondary education.

This course is designed to help pre-service teachers to develop knowledge about teaching, learning, and the curriculum. The course will provide pre-service teachers with the knowledge and skills necessary to understand and support the development of students in secondary education. The course will provide pre-service teachers with the knowledge and skills necessary to understand and support the development of students in secondary education.
EUS1002 LISTENING AND SPEAKING PROFICIENCY 1 (OAC - UGRD)
Semester 1 (ONC) Springfield Semester 2 (ONC) Springfield
Units 1.0 (English as a Second Language) Band 1
This course, activities in English have been organised to develop students' capacity to interact independently with fluency and spontaneity in speaking on advanced level with native speakers of English in face to face and digital academic contexts. Focus is given to speaking and listening in both structured and unstructured spoken texts, with a particular emphasis on developing pronunciation skills for reducing communicative strain for all interlocutors.

EUS1003 READING AND CRITICAL THINKING 1 (OAC - UGRD)
Semester 1 (ONC) Springfield Semester 2 (ONC) Springfield
Units 1.0 (English as a Second Language) Band 1
In this course, activities in English have been organised for the development of advanced independent reading and critical thinking capacity, including visual skills, to facilitate the delivery of a range of academic texts, with a particular emphasis on developing pronunciation skills to support speaking and listening in both structured and unstructured spoken texts, with a particular emphasis on developing pronunciation skills for reducing communicative strain for all interlocutors.

EUS1004 COMMUNICATING PROFESSIONALLY 1 (OAC - UGRD)
Semester 1 (ONC) Springfield Semester 2 (ONC) Springfield
Units 1.0 (English as a Second Language) Band 1
In this course, activities in English have been organised for the development of advanced independent academic writing and speaking processes, purposes, attitudes, and strategies that enable the expression of ‘voice’ and support the construction and delivery of a range of sophisticated academic texts for specific purposes and audiences. In this course, focus is given to constructing texts used in a range of academic contexts, which could include critical and descriptive essays, interviews, reports, presentations, literature reviews, discussions, seminars, and reconstruction of lecture notes, in both traditional and digital education contexts.

EUS1005 LANGUAGE FOR STUDY 2 (OAC - UGRD)
Semester 1 (ONC) Springfield Semester 2 (ONC) Springfield
Units 1.0 (English as a Second Language) Band 1
In this course, activities in English have been organised to develop students' capacity to integrate academic reading, writing, speaking, and listening skills in an online text of academic English. In this course, special focus is given to developing the precision and efficiency of a student's English language skills in a near-native-like level through emphasis on grammar, oral fluency, pronunciation, spelling vocabulary, and coherence and cohesion.

EUS1006 LISTENING AND SPEAKING FLUENTLY 2 (OAC - UGRD)
Semester 1 (ONC) Springfield Semester 2 (ONC) Springfield
Units 1.0 (English as a Second Language) Band 1
In this course, activities in English have been organised to develop students' capacity to interact independently with fluency and spontaneity in speech at a near-native-like level with native speakers of English in face to face and digital academic contexts. Focus is given to speaking and listening in both structured and unstructured spoken texts, with a particular emphasis on developing pronunciation skills for reducing communicative strain for all interlocutors.

EUS1007 READING AND CRITICAL THINKING 2 (OAC - UGRD)
Semester 1 (ONC) Springfield Semester 2 (ONC) Springfield
Units 1.0 (English as a Second Language) Band 1
In this course, activities in English have been organised for the development of highly advanced independent reading and critical thinking capacity, including visual skills, to facilitate the delivery of a range of sophisticated academic texts, including text books, case studies, lecture notes, academic journals, and reports, in both hard copy and digital form.

FIN1011 INTRODUCTION TO CORPORATE FINANCE (FBELA - UGRD)
Semester 1 (ONC) Springfield (ONL) Toowoomba (ONC) Springfield Semester 2 (ONC) Springfield (ONL) Toowoomba Semester 3 (ONL) Toowoomba
Units 1.0 (Banking and Finance) Band 3 The objective of the financial manager is to create market value for shareholders. In this course, the concepts and tools that are needed to make decisions consistent with an increase in the market value of the firm’s shares are examined. The concepts and tools that are covered include cash flow, interest rates and market efficiency, the time value of money and the valuation of future cash flows, risk and return, bond and share valuation, capital budgeting, the cost of capital, working capital management, capital structure and dividend policy.

FIN1013 FINANCIAL MARKETS (FBELA - UGRD)
Semester 2 (ONC) Springfield (ONL) Toowoomba (ONC) Toowoomba Semester 3 (ONL) Toowoomba
Units 1.0 (Banking and Finance) Band 3 This course examines the structure and operation of the Australian financial system and its interaction with financial and monetary economics. Students are introduced to a selection of financial markets, products and institutions of which the core competency is determining key financial variables affecting decisions to allocate funds in the real economy.

FIN2105 PORTFOLIO MANAGEMENT (FBELA - UGRD)
Semester 2 (ONC) Springfield (ONL) Toowoomba (ONC) Toowoomba
Units 1.0 (Investment and Securities) Band 3 Pre-requisite: FIN101 and FIN110 and STA2200
The current trend in the funds management industry is away from security analysis (stock picking) and towards asset allocation (managing the balance of equities, bonds, cash etc). The latter, typically called portfolio management, is now more important than the former, typically called investment management. Portfolio management is important to both individuals who manage their own personal assets and managers who manage the assets of others. This course aims to cover the most crucial aspects of portfolio management. Coverage includes these topics: the construction of the portfolio, investment objectives and policies; the management of the portfolio including the selection of assets, the utilisation of modern portfolio methods and the revision of the portfolio; and the protection of the portfolio using derivatives. The course emphasises the analytical aspects of portfolio management and the decision making process to enable students to apply the established theories and models in the financial world.

FIN2106 PERSONAL FINANCIAL PLANNING (FBELA - UGRD)
Semester 1 (ONC) Springfield (ONL) Toowoomba (ONC) Toowoomba Semester 1.0 (Banking and Finance) Band 3 Pre-requisite: FIN101 and FIN110
In this course, students will be exposed to the personal financial planning environment and process. The environment covers the regulatory framework within which financial planners operate as well as their responsibilities. The process covers the various components of personal financial planning (for example, taxation, investments, credit, superannuation and retirement, insurance, social security and estate planning). These concepts are integrated throughout the study of financial plan construction and financial planning practice management. Formerly FIN1105.

FIN2108 CREDIT ANALYSIS AND LENDING MANAGEMENT (FBELA - UGRD)
Semester 2 (ONC) Springfield (ONC) Toowoomba (ONL) Toowoomba Semester 1.0 (Banking and Finance) Band 3 Pre-requisite: FIN110
Business firms extend credit, banks extend loans. The focus of this course is credit analysis and lending. It provides an overview of lending principles, covers analytical aspects such as the financial analysis of a firm to determine creditworthiness, provides an overview of policy and legal issues, and looks at special types of credit like consumer loans, real estate loans, corporate loans and international loans. It also covers related topics such as securitisation, portfolio management and problem loan management.

FIN2302 FINANCIAL ECONOMICS (FBELA - UGRD)
Semester 1 (ONC) Springfield (ONL) Toowoomba (ONC) Toowoomba Semester 1.0 (Banking and Finance) Band 3 Pre-requisite: ECO1000 and FIN110 and FIN 103 and STA2300
Financial Economics is a course in economic theory and relevant applications for finance students. It covers a well-established, consensus-based neoclassical theory, which helps to provide an understanding of the interactions between agents and markets within the global financial system. The course also develops macroeconomic theory that directly relates to the money and banking system. A solid foundational understanding of financial economics is critical for students to develop core competence in finance.

FIN2101 FINANCE THEORY AND APPLICATIONS (FBELA - UGRD)
Semester 2 (ONL) Toowoomba (ONC) Toowoomba Semester 1.0 (Banking and Finance) Band 3 Pre-requisite: FIN110 and FIN110
The course introduces techniques used in arriving at an optimal allocation of funds among risky investments within a mean-variance framework. Students are asked to autonomously review the time value of money mathematics studied in previous finance courses. Modigliani and Miller theorems are introduced to study corporate behaviours and determine the value of a firm.

FIN2106 INTERNATIONAL FINANCE (FBELA - UGRD)
Semester 1 (ONL) Toowoomba Semester 1.0 (Banking and Finance) Band 3 Pre-requisite: FIN110
This course has been written with the intention of providing a system of international financial management that will help to understand the different factors affecting the financial decisions of firms. The course introduces students to the international financial system and analyses exchange rates, their determinants and their interaction to significant economic factors. Students will be expected to currency and interest rate derivatives and the numerous applications for finance students. It draws upon well-established microeconomic theory, which helps to provide an understanding of the interactions between agents and markets within the global financial system. The course also develops macroeconomic theory that directly relates to the money and banking system. A solid foundational understanding of financial economics is critical for students to develop core competence in finance.

FIN2107 SUPPLY CHAIN PLANNING AND FORECASTING (FBELA - UGRD)
Semester 1 (ONL) Toowoomba Semester 1.0 (Statistics) Band 2
This course concentrates predominantly on short-term, quantitative forecasting techniques which seek to identify patterns from historical data and to extrapolate those patterns into the future. Causal methods of forecasting through an analysis of simple regression analysis will be explored, as will many qualitative methods applicable to the decision maker. Importantly, the student will acquire a range of forecasting skills related to different scenarios, everything from inventory and stock forecasts to other end-user demands in the chain. While often students learn about different planning and forecasting, these are often detailed as they are not grounded in sound analytical data related to forecasting. Hence, students will learn critical skills of forecasting by analysing different forecasting. This version produced 1 Nov 2018. CRICOS: QLD 00244B, NSW 02225M | TEQSA: PRV12081 © University of Southern Queensland 48
This course covers financial management, and more specifically, the financial management dimensions of leading a multinational in international business. It includes international monetary system, exchange rate dynamics and forecasting, discussion of exchange rate risk and exposure management and finally, sources of international finance.

This course provides students with the necessary training in order to understand and use the practical skills associated with digital video editing. Through the study of non-linear editing styles, students will gain an understanding of the development in technologies and the guiding principles for video editing, such as system setup, the interface, importing and organisation media, audio, effects and the visual story.

This course provides an opportunity to expand on content, style and form within the field of video colour editing production styles. The course is designed for committed editors who aspire to further develop their craft. With a strong emphasis on hands-on, students acquire advanced specialist knowledge and work at a professional level on a range of productions. It requires students to build on knowledge and skills acquired in FTR1004 Editing and other key courses within the major.

This course develops and enhances students’ media production skills in the areas of pre-production, production and post-production as they conceptually and produce a short narrative video project of their own choosing in the medium of video. Projects may be developed in a variety of pre-arranged formats. Emphasis will be placed on the use of sound recording studio equipment, the editing suite, and the field recording situation.

This course is an introduction to Television studio production, utilising a highly refined practice based teaching model to suit this medium. It provides an experiential understanding of the scope and nature of working with others in a collaborative effort, where each student team member plays a defined role and is totally dependent on another for the creative outcome: a completed production. Students learn how to function in crew roles (16 -18 per class), handle and creatively manipulate the cameras, lighting, set design and mixing gear, and do so in a fully equipped television studio environment. On completion students will be supplied with study materials and tutorials in order to allow them to produce three production assignments, all in incorporating the student’s original ideas and scripts. The skills learned here will be developed further in FTR2009 Advanced TV Studio.

This course introduces skills required in the area of Television and Film/Video Production. Students will learn the practical elements of the area and work at a professional level on a range of productions. The course is designed for committed editors who aspire to further develop their craft. With a strong emphasis on hands-on, students acquire advanced specialist knowledge and work at a professional level on a range of productions. It requires students to build on knowledge and skills acquired in FTR1004 Editing and other key courses within the major.

This course is designed for committed editors who aspire to further develop their craft. With a strong emphasis on hands-on, students acquire advanced specialist knowledge and work at a professional level on a range of productions. It requires students to build on knowledge and skills acquired in FTR1004 Editing and other key courses within the major.

This course covers a broad approach of authorised deposit taking institutions (ADIs), and the associated decision making processes of the financial management sector in Australia. A range of topics is addressed including the Australian financial environment, understanding financial statements, evaluating returns, risks and performance; the yield curve and gap management; the management of liabilities, in utility, the securities portfolio and capital; and hedging and pricing with various interest rate derivatives. Formerly FIN4103.

This course covers the management of financial instruments, and more specifically, the financial management dimensions of leading a multinational in international business. It includes international monetary system, exchange rate dynamics and forecasting, discussion of exchange rate risk and exposure management and finally, sources of international finance.

This course introduces students to professional graphic skills for digital artists through production-focused learning environments. Through a series of workshops, students will begin to develop a solid awareness of processes involved in creating graphic-based assets, from conceptualisation through to production outcomes and uses, including in the broader visual, cultural and commercial contexts across film, television, internet and print.

This course introduces students to professional graphic skills for digital artists through production-focused learning environments. Through a series of workshops, students will begin to develop a solid awareness of processes involved in creating graphic-based assets, from conceptualisation through to production outcomes and uses, including in the broader visual, cultural and commercial contexts across film, television, internet and print.

This course explores the management skills needed for the four areas of production management, planning, pre-production, production, post-production and distribution stages of a media production. All aspects of pre-production will be examined including identifying and generating story ideas, project development, project pitching, production.

This course provides an opportunity to expand on content, style and form within the field of video colour editing production styles. The course is designed for committed editors who aspire to further develop their craft. With a strong emphasis on hands-on, students acquire advanced specialist knowledge and work at a professional level on a range of productions. It requires students to build on knowledge and skills acquired in FTR1004 Editing and other key courses within the major.
Consult the Handbook on the Web at http://www.usq.edu.au/handbook/current for any updates that may occur during the year.
GPHS302 GIST AND PLANNING PRACTICE 2 (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Units 0.0 (Geomatic Engineering not elsewhere classified) Band 2
Pre-requisite: GIS3006 or URP2001 or GPS3001 or Students must be enrolled in one of the following Programs: GCHH or GDHH or MOHH or GNSG or MNSG or MENS

The course will cover advanced topics in the analysis and applications of spatial data for planning and management. It will further build the students' competency in the use of industry-standard software and hardware in spatial science, particularly on geographic information system (GIS) and remote sensing. The delivery will focus on the hands-on approach and applications-oriented project done in an inter-disciplinary group that will cover urban and regional planning, environ mental management, agricultural, engineering, land and resource management, etc. This course includes a mandatory residential school.

HEA8001 CONTEXTS OF PRACTICE (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba
Units 1.0 (Health not elsewhere classified) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: GCHH or GDHH or MOHH or GNSG or MNSG or PDEV or GCHH or GDHH or MOHH or GNSG or MNSG or MNSG or MENS

This is a core introductory course in the Graduate Certificate of Health Practice (FHESC - PGRD) for students in the health and related professional disciplines. The course is designed to prepare students within each specialisation. At the completion of this course, students will be cognisant of the pre-requirements for more advanced studies within their chosen area of practice, and able to implement strategies to ensure their practice is evidence-based.

HEA8101 FOUNDATIONS OF GERONTOLOGY PRACTICE (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Health not elsewhere classified) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: GCHH or GDHH or MOHH or GNSG or MNSG or PDEV

The purpose of this course is to enable health and social well-being practitioners to improve their understanding of the ways in which issues of culture impact on health and to develop the necessary skills to address these issues effectively. In adopting a‘determinants of health’ approach the scope of application is relevant for clinical, community and socio-political policies. The use of the professional power and cultural role in any major themes. Students are provided with the opportunity to explore a broad and multi-faceted notion of culture, including the potential impact on health status of belonging to multiple, cultural minority groups. Content and assessment items in this course lead to knowledge, analytical and practice skills in effective working culture as a key determinant of health for the health and well-being of individuals and communities.

HEA8102 PERSPECTIVES OF HEALTHY AGEING (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Pre-requisite: Students must be enrolled in one of the following Programs: GCHH or GDHH or MOHH or MNSG or PDEV or GCHH or GDHH or MOHH or MNSG or MNSG or MENS

This course will extend undergraduate and experiential knowledge and will encompass contemporary evidenced based wound care practices directed at differing wound presentations. The course is designed and pitched to different levels of wound care management depending on the current wound care worker’s role, to enable students to develop their capacity within those roles. Content within the course will augment the critical thinking skills to reflect on current wound care practices, identify practices consistent with the evidence base for good wound management, and enact change within the clinical context.

HEA8002 PERSPECTIVES ON ‘END-OF-LIFE’ (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Nursing not classified) Band 4
Pre-requisite: Students must be enrolled in one of the following Programs: GCHH or GDHH or MOHH or MNSG or PDEV or GCHH or GDHH or MOHH or MNSG or MNSG or MENS

The course provides an opportunity for health care professionals to further their understanding and skills in relation to the end of life. The course will explore palliative care approaches, and practices supporting face to face communication with patients and families. The course will explore the concept of palliative care, and the potential role of health professionals when exploring with patients and families the potential end of life care options. It will further build the students’ competency in the use of industry-standard software and hardware in spatial science, particularly on geographic information system (GIS) and remote sensing. The delivery will focus on the hands-on approach and applications-oriented project done in an inter-disciplinary group that will cover urban and regional planning, environmental management, agricultural, engineering, land and resource management, etc. This course includes a mandatory residential school.

HEA8003 A MATTER OF DECEASE (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Health not elsewhere classified) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: GCHH or GDHH or MOHH or MNSG or PDEV or GCHH or GDHH or MOHH or MNSG or MNSG or MENS

This course is designed to enable health and social well-being practitioners to improve their understanding of the ways in which issues of culture impact on health and to develop the necessary skills to address these issues effectively. In adopting a‘determinants of health’ approach the scope of application is relevant for clinical, community and socio-political policies. The use of the professional power and cultural role in any major themes. Students are provided with the opportunity to explore a broad and multi-faceted notion of culture, including the potential impact on health status of belonging to multiple, cultural minority groups. Content and assessment items in this course lead to knowledge, analytical and practice skills in effective working culture as a key determinant of health for the health and well-being of individuals and communities.

HEA8103 COMMUNITY DEVELOPMENT AND HEALTH (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Nursing not classified) Band 4
Pre-requisite: Students must be enrolled in one of the following Programs: GCHH or GDHH or MOHH or MNSG or PDEV or GCHH or GDHH or MOHH or MNSG or MNSG or MENS

This course will cover advanced topics in the analysis and applications of spatial data for planning and management. It will further build the students’ competency in the use of industry-standard software and hardware in spatial science, particularly on geographic information system (GIS) and remote sensing. The delivery will focus on the hands-on approach and applications-oriented project done in an inter-disciplinary group that will cover urban and regional planning, engineering, land and resource management, etc. This course includes a mandatory residential school.

HEA8104 CONTEMPORARY WOUND MANAGEMENT PRACTICES (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Nursing not classified) Band 4
Pre-requisite: Students must be enrolled in one of the following Programs: GCHH or GDHH or MOHH or MNSG or PDEV or GCHH or GDHH or MOHH or MNSG or MNSG or MENS

The course will cover advanced topics in the analysis and applications of spatial data for planning and management. It will further build the students’ competency in the use of industry-standard software and hardware in spatial science, particularly on geographic information system (GIS) and remote sensing. The delivery will focus on the hands-on approach and applications-oriented project done in an inter-disciplinary group that will cover urban and regional planning, engineering, land and resource management, etc. This course includes a mandatory residential school.

HEA8105 PERSPECTIVES ON ‘END-OF-LIFE’ (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Nursing not classified) Band 4
Pre-requisite: Students must be enrolled in one of the following Programs: GCHH or GDHH or MOHH or MNSG or PDEV or GCHH or GDHH or MOHH or MNSG or MNSG or MENS

The course provides an opportunity for health care professionals to further their understanding and skills in relation to the end of life. The course will explore palliative care approaches, and practices supporting face to face communication with patients and families. The course will explore the concept of palliative care, and the potential role of health professionals when exploring with patients and families the potential end of life care options.

HEA8106 PAIN ASSESSMENT AND MANAGEMENT PRACTICES (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Nursing not classified) Band 4
Pre-requisite: Students must be enrolled in one of the following Programs: GCHH or GDHH or MOHH or MNSG or PDEV or GCHH or GDHH or MOHH or MNSG or MNSG or MENS

The course is designed to enable health and social well-being practitioners to improve their understanding of the ways in which issues of culture impact on health and to develop the necessary skills to address these issues effectively. In adopting a‘determinants of health’ approach the scope of application is relevant for clinical, community and socio-political policies. The use of the professional power and cultural role in any major themes. Students are provided with the opportunity to explore a broad and multi-faceted notion of culture, including the potential impact on health status of belonging to multiple, cultural minority groups. Content and assessment items in this course lead to knowledge, analytical and practice skills in effective working culture as a key determinant of health for the health and well-being of individuals and communities.

HEA8107 PAIN ASSESSMENT AND MANAGEMENT PRACTICES (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Nursing not classified) Band 4
Pre-requisite: Students must be enrolled in one of the following Programs: GCHH or GDHH or MOHH or MNSG or PDEV or GCHH or GDHH or MOHH or MNSG or MNSG or MENS

The course is designed to enable health and social well-being practitioners to improve their understanding of the ways in which issues of culture impact on health and to develop the necessary skills to address these issues effectively. In adopting a‘determinants of health’ approach the scope of application is relevant for clinical, community and socio-political policies. The use of the professional power and cultural role in any major themes. Students are provided with the opportunity to explore a broad and multi-faceted notion of culture, including the potential impact on health status of belonging to multiple, cultural minority groups. Content and assessment items in this course lead to knowledge, analytical and practice skills in effective working culture as a key determinant of health for the health and well-being of individuals and communities.

HEA8108 PAIN ASSESSMENT AND MANAGEMENT PRACTICES (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Nursing not classified) Band 4
Pre-requisite: Students must be enrolled in one of the following Programs: GCHH or GDHH or MOHH or MNSG or PDEV or GCHH or GDHH or MOHH or MNSG or MNSG or MENS

The course is designed to enable health and social well-being practitioners to improve their understanding of the ways in which issues of culture impact on health and to develop the necessary skills to address these issues effectively. In adopting a‘determinants of health’ approach the scope of application is relevant for clinical, community and socio-political policies. The use of the professional power and cultural role in any major themes. Students are provided with the opportunity to explore a broad and multi-faceted notion of culture, including the potential impact on health status of belonging to multiple, cultural minority groups. Content and assessment items in this course lead to knowledge, analytical and practice skills in effective working culture as a key determinant of health for the health and well-being of individuals and communities.
of nationalism, interstate relations, social class, gender, race, anti-

The experience of war is one which generates conflict between the
Australian institutions and law, and the historical circumstances
Students will address concepts that have affected the development
Law is shaped by its surrounding society. The study of history requires
particular, the course allows students to engage with critical issues
students analyse features of political, social and cultural change. In
after the French Revolution of 1789. By focusing on significant
ideas of popular resistance, terrorism and warfare, democracy, and
and industrialisation. Students follow the decline and rise of different
1492 to 1914. It focuses especially on the rise of European empires
international relations, political theory and international
pre-requisite: Students must be enrolled in one of the following Programs: BAHN or BICM. This two unit course enables students to enrol in the Honours program to commence their dissertation under supervision. This course is a continuation of the work commenced in HMT4001 Honours Dissertation A. The dissertation shall be (i) 12,000-15,000 words; or (ii) consist of a professional body of work and a written exegesis of 5,000-8,000 words; or (iii) consist of a professional body of work and a written exegesis of 5,000-8,000 words and a special report of 5,000-8,000 words, and may be chosen by the student and approved by the supervisor. Enrolment is not permitted in HMT3001 or HMT3002 if PRL3001 has been previously completed. This course exposes developing research students to the key debates and theories within their specific disciplines and within cognate disciplines located within the humanities, social sciences and common
Students will be given an overview of theoretical debates in a variety of disciplines, before focusing on the influential theories of their own discipline area. This allows honours students to develop their theoretical research knowledge in order to engage in scholarly debates within and across disciplines and to progress towards higher degree research. Students will develop a range of professional and scholarly skills by participating in workshops, online discussions, and peer debates.

This course covers a survey of some of the most significant currents of ideas in Western and non-Western history. Students will study significant texts, charting the history of these concepts over time and how they have influenced modern thought. The course will also the significance of Enlightenment ideas for our current times.

HMT3001 INDEPENDENT STUDY PROJECT A (FBELA - UGRD)

HMT3002 INDEPENDENT STUDY PROJECT B (FBELA - UGRD)

This course enables students to enhance and diversify an area of specialist studies or acquire professional experience, through independent learning and/or work placement. The course builds on theory and practice taught previously in students’ chosen major. The course is flexible in terms of the variety of ways in which students may suitably complete assessment. To complete this course however, students will be required to declare a special research project or complete a work placement. Students will demonstrate advanced scholarship through the submission of professional reports or an extended research essay. The material studied and the assessments must be different from HMT3001, if previously taken by the student.

HMT4001 HONOURS DISSERTATION A (FBELA - UGRD)

HMT4002 HONOURS DISSERTATION B (FBELA - UGRD)

This course provides a survey of some of the most significant currents of ideas in Western and non-Western history. Students will study significant texts, charting the history of these concepts over time and how this has influenced modern thought. The course will also the significance of Enlightenment ideas for our current times.

HMT4001

HMT4002

This two unit course enables students enrolled in the Honours pro
programme to complete their dissertation under supervision. This course is a continuation of the work commenced in HMT4001 Honours Dissertation A. The dissertation shall be (i) 12,000-15,000 words for a fully written dissertation (Module 1); OR (ii) a professional body of work and a written exegesis of 5,000-8,000 words (Module 2) - write a creative writing (10,000 words) and a written exegesis (5,000 words) for creative and critical writing students.

HMT4006 ADVANCED THEORIES AND DEBATES IN THE DISCIPLINE (FBELA - UGRD)

HMT4007 BECOMING A RESEARCHER (FBELA - UGRD)

This two unit course enables students enrolled in the Honours pro
programme to complete their dissertation under supervision. This course is a continuation of the work commenced in HMT4001 Honours Dissertation A. The dissertation shall be (i) 12,000-15,000 words for a fully written dissertation (Module 1); OR (ii) a professional body of work and a written exegesis of 5,000-8,000 words (Module 2) - write a creative writing (10,000 words) and a written exegesis (5,000 words) for creative and critical writing students.

Unit 2.0 (Humanities) Band 1

This course is designed to extend the themes covered in HMT3001 and

Pre-requisite: Completion of 20 units, of which 5 must be in area of proposed study project, subject to agreement of appropriate supervisor. Enrolment is not permitted in HMT3001 or HMT3002 if PRL3002 has been previously completed. This course enables students to enhance and diversify an area of specialist studies or acquire professional experience, through independent learning and/or work placement. The course builds on theory and practice taught previously in students’ chosen major. The course is flexible in terms of the variety of ways in which students may suitably complete assessment. To complete this course however, students will be required to declare a special research project or complete a work placement. Students will demonstrate advanced scholarship through the submission of professional reports or an extended research essay. The material studied and the assessments must be different from HMT3001, if previously taken by the student.

HMT4001

HMT4002

This two unit course enables students enrolled in the Honours pro
programme to complete their dissertation under supervision. This course is a continuation of the work commenced in HMT4001 Honours Dissertation A. The dissertation shall be (i) 12,000-15,000 words for a fully written dissertation (Module 1); OR (ii) a professional body of work and a written exegesis of 5,000-8,000 words (Module 2) - write a creative writing (10,000 words) and a written exegesis (5,000 words) for creative and critical writing students.

HMT4006

This course covers a survey of some of the most significant currents of ideas in Western and non-Western history. Students will study significant texts, charting the history of these concepts over time and how this has influenced modern thought. The course will also the significance of Enlightenment ideas for our current times.

HMT3001

HMT3002

This two unit course enables students enrolled in the Honours pro
programme to complete their dissertation under supervision. This course is a continuation of the work commenced in HMT4001 Honours Dissertation A. The dissertation shall be (i) 12,000-15,000 words for a fully written dissertation (Module 1); OR (ii) a professional body of work and a written exegesis of 5,000-8,000 words (Module 2) - write a creative writing (10,000 words) and a written exegesis (5,000 words) for creative and critical writing students.

HMT4006

This course covers a survey of some of the most significant currents of ideas in Western and non-Western history. Students will study significant texts, charting the history of these concepts over time and how this has influenced modern thought. The course will also the significance of Enlightenment ideas for our current times.

HMT3001

HMT3002

This two unit course enables students enrolled in the Honours pro
programme to complete their dissertation under supervision. This course is a continuation of the work commenced in HMT4001 Honours Dissertation A. The dissertation shall be (i) 12,000-15,000 words for a fully written dissertation (Module 1); OR (ii) a professional body of work and a written exegesis of 5,000-8,000 words (Module 2) - write a creative writing (10,000 words) and a written exegesis (5,000 words) for creative and critical writing students.

HMT4006

This course covers a survey of some of the most significant currents of ideas in Western and non-Western history. Students will study significant texts, charting the history of these concepts over time and how this has influenced modern thought. The course will also the significance of Enlightenment ideas for our current times.

HMT3001

HMT3002

This two unit course enables students enrolled in the Honours pro
programme to complete their dissertation under supervision. This course is a continuation of the work commenced in HMT4001 Honours Dissertation A. The dissertation shall be (i) 12,000-15,000 words for a fully written dissertation (Module 1); OR (ii) a professional body of work and a written exegesis of 5,000-8,000 words (Module 2) - write a creative writing (10,000 words) and a written exegesis (5,000 words) for creative and critical writing students.

**HSC8050 RESEARCH METHODOLOGY FOR THE HUMAN SCIENCES (FHESC - PGRD)**

Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba

Units 1.0 (Nursing not elsewhere classified) Band 4

This course will develop students’ abilities to be critical consumers of research. Studies will focus on extending students’ knowledge about the purposes of research, research design and various methodologies and approaches including quantitative, qualitative and critical and post-modern influences. Through examination of past research students will distinguish the hallmarks of effective research design including ethical considerations. They will learn about evidence based practice and write a critical literature review for their own area of practice.

**HSC8060 RESEARCH PROJECT DESIGN (FHESC - PGRD)**

Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba

Pre-requisite: Students must be enrolled in one of the following Programs: DHMHR or MBNMR or MNSG or PDEG or GCHMR or MOPHR or MOPH or OHMHR

With guidance from a member of academic staff as supervisor, students will plan and design an independent project which relates to their overall program of study. The student is expected to implement the research project which can be completed by enrolling in HSC8070 Masters Project A and HSC8080 Masters Project B. This course is available through INTERNET DELIVERY ONLY. There are no print materials for this course.

**HSC8070 HEALTH PROJECTS MASTER A (FHESC - PGRD)**

Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba

Units 1.0 (Health not elsewhere classified) Band 2

Pre-requisite: Students must be enrolled in one of the following Programs: MOHH or MNSG Pre-requisite or Co-requisite: HSC8060

This is the first of two courses that contribute to the Nursing Masters Project. HSC8070 and HSC8080 must be taken in consecutive terms. The student will select a member of academic staff as supervisor, the student will plan and design an independent research or evaluation project which relates to their overall program of study. The project will lead to the preparation of a substantial written report presented at an appropriate scholarly standard. This report may be in the format of a paper for publication in an approved academic or professional journal. Project reports must reflect mastery of the content, current literature and of knowledge and skills developed by the learner through this program of study. This course will operate on the basis of frequent individual consultation and feedback between the student and the student's nominated as the study supervisor. Projects must be submitted in electronic format. Students are advised to discuss their proposal with the course examiner before enrolling in this program. There are no print materials for this course.

**HSC8080 HEALTH PROJECTS MASTER B (FHESC - PGRD)**

Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba

Units 1.0 (Health not elsewhere classified) Band 2

Pre-requisite: HSC8050 and HSC8060 and HSC8070 and Students must be enrolled in one of the following Programs: MOHH or MNSG Pre-requisite or Co-requisite: HSC8060

This is the second of two courses that contribute to the Nursing Masters Project. HSC8070 and HSC8080 must be taken in consecutive terms. The student will select a member of academic staff as supervisor, the student will plan and design an independent research or evaluation project which relates to their overall program of study. The project will lead to the preparation of a substantial written report presented at an appropriate scholarly standard. This report may be in the format of a paper for publication in an approved academic or professional journal. Project reports must reflect mastery of the content, current literature and of knowledge and skills developed by the learner through this program of study. This course will operate on the basis of frequent individual consultation and feedback between the student and the student's nominated as the study supervisor. Projects must be submitted in electronic format. Students are advised to discuss their proposal with the course examiner before enrolling in this program. There are no print materials for this course.

**HSC1000 FOUNDATIONS OF THE HUMAN SERVICES DISCIPLINES (FHESC - UGRD)**

Semester 2 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba

Units 1.0 (Community Health) Band 2

This course provides an overview and introduction of social welfare and health theories, services, values, and practice from Australian and international perspectives. It establishes the intellectual and value context for the study of human service field and introduces students to key perspectives of health, welfare, vulnerability and disadvantage. Content covered includes national and international history of social and health welfare provision and explores the philosophies, understandings and practices of human services and practice in Australia and abroad through interactive lectures and tutorial activities.

**HSW1110 MENTAL HEALTH AND WELLBEING (FHESC - UGRD)**

Semester 2 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba

Units 1.0 (Sociology) Band 1

This course will enable participants to trace and critically examine social, biological and cultural etiologies of mental health and illness, influence the onset and course of mental illness, and understand competing models and discourses surrounding mental health and illness in Australia and globally from a sociological perspective. Further, this course provides an opportunity to explore social practices and issues that contribute to the ways in which society, families and individuals are affected by mental health and mental illnesses.

**HSW2099 FIELDWORK PLACEMENT A (FHESC - UGRD)**

Semester 1 (EXT)Toowoomba
Semester 2 (EXT)Toowoomba

Units 1.0 (Human Welfare Studies and Serv) Band 1

Pre-requisite or Co-requisite: CGSG005 and HNSG120. Students must have completed at least 4 courses before undertaking placement.

The course offers students the opportunity to undertake placements with human services organisations working with different client groups. Examples of placements are aged care, community organisation, Cultural and Linguistically Diverse (CALD) organisations, and volunteer groups and so on. Students will gain insight into the skills required for interacting with clients, communicating effectively with stakeholders and managing day to day functioning.

**HSW2100 ADVOCACY, ALLIES AND PEER SUPPORT (FHESC - UGRD)**

Semester 1 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba

Units 1.0 (Community Health) Band 2

This course introduces students to various models of advocacy, both systemic and individual. Students will be equipped with skills to identify existing laws (State, Federal, and International) that impact human right breaches, as well as identify gaps in anti-discrimination coverage. In order to be effective practitioners, students will evaluate different forms of argumentation and rhetoric, and develop the art of writing persuasive briefs. The later section of this course focuses on reviewing systems of peer support especially for youth and mental health programs.

**HSW2120 HUMAN SERVICES CASE MANAGEMENT (FHESC - UGRD)**

Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba

Units 1.0 (Community Health) Band 2

Case management is the systematic planning and coordination of services to effectively address client needs and goals. This course will survey the history, models, principles, and ethics of case manage- ment. Students will develop skills in case management with case management including assessing, planning, coordinating, and reviewing cases. Students will also learn principles on how to develop and deliver health education.

**HSW2200 DISABILITY THEORY AND PRACTICE (FHESC - UGRD)**

Semester 2 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba

Units 1.0 (Care for the Disabled) Band 1

Whether the subject of curiosity, pity, exclusion, revolution or strategic disregard; people with disabilities and people with disabilities are part of reality and the solution to disability and other issues are part of human existence. This course will provide an introduction understanding disabilities and ageing and age and disability-related issues within social contexts.

**HSW2211 YOUTH WORK PRACTICE (FHESC - UGRD)**

Semester 1 (ONC)Toowoomba
Semester 1 (ONC)Toowoomba

Units 1.0 (Youth Work) Band 1

Pre-requisite: HSW2110 and COS1100

This course will explore contemporary and distinctive youth work theories. Students will explore the different perspectives and experiences of young people, youth workers and other critical stakeholders. Content presented will enable students to critically appraise the evolution of youth work within a cultural and sociological framework that considers matters of agency, health and empowerment.

**HSW2220 HEALTH AND WELLBEING ACROSS THE LIFESPAN (FHESC - UGRD)**

Semester 1 (ONC)Toowoomba
Semester 1 (ONC)Toowoomba

Units 1.0 (Care for the Disabled) Band 1

This course provides an overview of development across the lifespan and links these to health and social conditions affecting different populations. It considers biological and psychological factors and their interplay with broader structural factors including social determinants of health. The course addresses health and wellbeing issues from birth to end of life, with a focus on promoting health for diverse individuals and populations. Specifically, this course considers the health and wellbeing of people living in rural and remote areas, First Australians, culturally and linguistically diverse communities, and people who are homeless.

**HSW3099 FIELDWORK PLACEMENT B (FHESC - UGRD)**

Semester 1 (EXT)Toowoomba
Semester 2 (EXT)Toowoomba
Semester 3 (EXT)Toowoomba

Units 1.0 (Human Welfare Studies and Serv) Band 1

Pre-requisite: HSW2099

This course provides opportunities for students to develop professional and research skills in areas such as health and social work. Students will have the opportunity to apply the analytical (thinking), teamwork and organisational management. It will also encourage students to engage in independent research and in increase their own awareness of the tensions and problems that may exist in human services practice and theories that can lead to decision-making. IMPORTANT NOTE: Students are not to commence work in the host organisation without authorisation from the assigned USQ staff member. The USQ staff member will need to approve the suit ability of the host organisation, the work plan, and the supervisor, prior to starting the placement. Failure to receive prior approval before commencing will be working outside the parameters of the course and will not be recognised or supported by USQ or its insurance coverage. Additional information about professional placements can be found on the Bachelor of Human Services Studydesk site, located on the main Studydesk page for Human Services students.

**HSW3100 CONTEXTS OF WELLBEING (FHESC - UGRD)**

Semester 2 (ONL)Toowoomba
Semester 2 (ONL)Toowoomba

Units 1.0 (Community Health) Band 2

The National Disability Insurance Scheme (NDIS) represents a capital and practical shift in the funding and provision of disability services in Australia. Students will be introduced to the human rights and economic principles influencing the design of the NDIS, as well as the broader policy context (i.e., the National Disability Strategy 2010-2020) in which it operates. The course will focus on contemporary approaches to disability service provision and governance, including person-centred planning, supported decision-making, and interfaces with other public sectors and community resources.

**HSW3199 FIELDWORK PLACEMENT C (FHESC - UGRD)**

Semester 1 (EXT)Toowoomba
Semester 2 (EXT)Toowoomba
Semester 3 (EXT)Toowoomba

Units 1.0 (Human Welfare Studies and Serv) Band 1

Pre-requisite: HSW2099

This course provides opportunities for students to refine and apply a range of professional skills pertinent to human services practice. The field experience and assessment will also enable implementation of theoretical frameworks and techniques available to human services practitioners. IMPORTANT NOTE: Students are not to commence work in the host organisation without authorisation from the assigned USQ staff member. The USQ staff member will need to approve the suitability of the host organisation, the work plan, and the supervisor, prior to starting the placement. Failure to receive prior approval before commencing will be working outside the parameters of the course and will not be recognised or supported by USQ or its insurance coverage. Additional information about professional placements can be found on the Bachelor of Human Services Studydesk site, on the main Studydesk page for Human Services students.
This course has a dual ambition of introducing USQ students to a traditionally oral culture through its written words and literature and a changing of perceptions through an analysis of seldom told stories. A journey through Indigenous voices in a variety of texts, including poetry, theatre, autobiography, early writings and film will be undertaken. Through a weekly lecture and a two-hour tutorial the course will examine representations of Indigeneity as represented in or absent from selected texts. Aboriginal creation stories, auto-biographies, short stories, poems and a novel will be explored alongside Torres Strait Islander poem-songs, resistance stories, creation stories and theoretical and cultural positonings. The role of Aboriginal narrative forms in modern society will be explored from a position that a solid theoretical and cultural historical grounding is important for any literary analysis.

This course will begin with an introduction to a broad range of issues of relevance to contemporary Aboriginal and Torres Strait islander people and communities. This will be layered across a weekly analysis of essays and short stories and video representations an understanding will be gained about international First Nations cultures and how such knowledge theoretically impacts on analysis of Australian First Nations cultures.

This course will offer students a method by which they can become conversant with an historical and contemporary overview of Australian Aboriginal and Torres Strait Islander art. Students are guided through the story as visual language in discussing Human Rights, activism for land rights, connection to Country, social dialogues, and their respective and community issues. Intellectual Property Rights (IPR) and Copy right are clarified through Law and spiritual belief. Further to this, students will gain an understanding of ethical behaviour regarding Aboriginal material culture and knowledge. Students from the creative industries, community development and education will benefit from this course.

This course will introduce students to a broad range of issues of relevance to contemporary Aboriginal and Torres Strait Islander people and communities. While there will be emphasis on South East and Western Queensland, students will also gain an understanding of regional variation and place-based cultures across Australia. Issues will include, but not be limited to, identity, land, history, policy and politics. Through a weekly lecture and a two-hour tutorial the course will, in a highly contextual fashion, examine the historical dispossession and exclusion that left Aboriginal and Islander peoples as non-citizens and without rights. The process to ‘reconcile’ through citizenship and self determination/management and the current debates around sovereignty, constitutional recognition and Treaties will all be explored. This course will privilege Aboriginal and Torres Strait Islanders writers/thinkers, elders and positions.

This course will concentrate on the development of sub-editing, layout and design skills through theoretical studies and practical work. A local focus will be the professional issues that arise in the process of making sub-editing decisions. Instruction will be given in copy-taking, layout, handling images, writing headlines and bylines, and producing page proofs and reviewing them.

This course has a dual ambition of introducing USQ students to a traditionally oral culture through its written words and literature and a changing of perceptions through an analysis of seldom told stories. A journey through Indigenous voices in a variety of texts, including poetry, theatre, autobiography, early writings and film will be undertaken. Through a weekly lecture and a two-hour tutorial the course will examine representations of Indigeneity as represented in or absent from selected texts. Aboriginal creation stories, auto-biographies, short stories, poems and a novel will be explored alongside Torres Strait Islander poem-songs, resistance stories, creation stories and theoretical and cultural positonings. The role of Aboriginal narrative forms in modern society will be explored from a position that a solid theoretical and cultural historical grounding is important for any literary analysis.

This course gives students a carefully sequenced series of topics and assessments, providing the foundation for mathematics that will be encountered in a range of tertiary studies. This course provides a broad base of mathematical skill and knowledge to prepare students for undergraduate studies. By promoting understanding of both traditional and contemporary mathematics through story students will be taught the application of dual understandings of mathematical knowledge in real life contexts.

This course will introduce students to a broad range of issues of relevance to contemporary Aboriginal and Torres Strait Islander people and communities. While there will be emphasis on South East and Western Queensland, students will also gain an understanding of regional variation and place-based cultures across Australia. Issues will include, but not be limited to, identity, land, history, policy and politics. Through a weekly lecture and a two-hour tutorial the course will, in a highly contextual fashion, examine the historical dispossession and exclusion that left Aboriginal and Islander peoples as non-citizens and without rights. The process to ‘reconcile’ through citizenship and self determination/management and the current debates around sovereignty, constitutional recognition and Treaties will all be explored. This course will privilege Aboriginal and Torres Strait Islanders writers/thinkers, elders and positions.

This course is designed to introduce students to writing for the news media and the theoretical models underpinning their practices. Emphasis will be placed on the need for facts. Students will learn by being involved in the gathering of information and achieve accuracy, fairness and balance within the constraints imposed by regularity deadlines. Students will be introduced to news values, journalism research, interview skills and the elements that make up news stories. They will be given considerable practice in writing effective introductory sentences, handling attribution and quotations, and structuring complete news stories.

This course gives students a carefully sequenced series of topics and assessments, providing the foundation for mathematics that will be encountered in a range of tertiary studies. This course provides a broad base of mathematical skill and knowledge to prepare students for undergraduate studies. By promoting understanding of both traditional and contemporary mathematics through story students will be taught the application of dual understandings of mathematical knowledge in real life contexts.
JRN2002 RADIO JOURNALISM (FBELA - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Journalism) Band 1
Pre-requisite: JRN1000 or JRN1020 and JRN2000
This course provides students with a hands-on introduction to reporting, writing, and presenting broadcast news for a working newroom with real-life deadlines. It stresses current affairs knowledge and practical journalism skills. Students will learn to record and edit stories, think independently, refine their news sense, operate within the community as journalists and make ethical editorial decisions. Students will also develop a critical understanding of the role and function of broadcast journalism, including the theoretical debates concerning the news media's key functions. Topics covered include radio news in context, broadcast newroom writing style and mechanics, radio newsroom meeting techniques, voice production and editorial decision-making.

JRN2006 MEDIA LAW AND ETHICS (FBELA - UGRD)
Semester 2 (ONC)(Springfield) (ONL)Toowoomba
Units 1.0 (Journalism) Band 1
Pre-requisite: JRN1000 or JRN1020 and JRN2000
Students will examine the Australian legal system, defamation law, contempt of court and parliament, and the law of copyright. They will study the competencies of major developments in moral philosophy will form a foundation on which to analyse contemporary issues, with particular reference to the Media, Entertainment Arts Alliance (MEA) (Journalists) Code of Ethics.

JRN2008 HISTORY OF JOURNALISM (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Journalism) Band 1
Students will examine major developments in the industry's expansion. Topics will range from the growth of newspapers to the digital age. Case studies will form a foundation for comparing past and current journalism practice.

JRN3001 ONLINE JOURNALISM (FBELA - UGRD)
Semester 2 (ONC)(Springfield) (ONL)Toowoomba
Units 1.0 (Journalism) Band 1
Pre-requisite: JRN1000 or JRN1020
This course prepares students for work in the modern newroom, where the gathering process is fluid but the responsibilities of journalists remain firm. Given this framework, students will develop an advanced understanding of online storytelling by thinking creatively about multimedia and examining the impact of the Internet on news values and ethics. The use of web-based information to research and write news and features will also be explored. Students should come to his course equipped with knowledge of the principles and practice of journalism, and with established skills in reporting, writing and editing.

JRN3003 FEATURE WRITING (FBELA - UGRD)
Semester 1 (ONC)(Springfield) (ONL)Toowoomba
Units 1.0 (Journalism) Band 1
Pre-requisite: JRN1000 or JRN1020
This course will concentrate on preparation of larger journalistic articles and features for newspapers and magazines. Students will research and write complex storytelling and writing with imaginative flair. The emphasis will be on explaining complex issues to the general public to facilitate the students' ability to accomplish investigative reporting projects of a high-quality, publishable standard. Students will reflect on their professional practice in the context of ethical issues and values related to truth-telling.

JRN3004 SPECIALISED REPORTING (MASTERS) (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Journalism) Band 1
Pre-requisite: Students must be enrolled in the following Program: MARA
In reporting and writing on a major round or beat, journalists are expected to communicate clearly, accurately and creatively on complex issues related to specialized audiences. This course helps students to develop their expertise in reporting the current news and ideas from a particular journalism ‘round’ including international news, niche, politics, the environment, the police and crime. Students will advance their skills in critical analysis of specialized news reporting, complex storytelling and writing with imaginative flair. The emphasis will be on explaining complex issues to the general public to facilitate the students' ability to accomplish investigative reporting projects of a high-quality, publishable standard. Students will reflect on their professional practice in the context of ethical issues and values related to truth-telling.

LAC1001 LANGUAGE SURVIVAL SKILLS (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Northern European Languages) Band 1
The course aims to equip students with basic communicative skills and cultural knowledge such as might be required for a visit to the respective country as a tourist or on a short-term professional placement. Studying German or Chinese as part of an Arts, Business, Engineering, Science, Education, or IT degree, to a credible level of language competence, can provide graduates with an important competitive edge when entering and advancing their careers in increasingly global employment markets.

LAC1002 LANGUAGE, PEOPLES AND PLACES (FBELA - UGRD)
Semester 2 (ONC)Toowoomba
Units 1.0 (Northern European Languages) Band 1
Pre-requisite: LAC1001
LAC1002 is a beginner’s level course and builds on the skills acquired in LAC1001. The course aims to equip students with the language skills required to cope with typical communicative situations in German- or Chinese-speaking environments. Studying German or Chinese as part of an Arts, Business, Engineering, Science, Education, or IT degree, to a credible level of language competence, can provide graduates with an important competitive edge when entering and advancing their careers in increasingly global employment markets.

LAC1003 LANGUAGE, CULTURE AND CUSTOM (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Northern European Languages) Band 1
Pre-requisite: LAC1002
Studying German or Chinese as part of an Arts, Business, Engineering, Science, Education, or IT degree, to a credible level of language competence, can provide graduates with an important competitive edge when entering and advancing their careers in increasingly global employment markets. This course begins to use language skills as a gateway to a more extensive study of the cultures and customs of Germany and China in both their more traditional and their contemporary aspects. It explores the practice of culture and custom in both their national and international contexts, examining the ways in which German and Chinese communities view themselves and express their identities in the context of living at home or abroad. The course also explores the impact that modern students may encounter the varied cultures and customs of Germany and China as travellers or temporary residents, and demonstrates the skills and concepts acquired in LAC1001 and LAC1002 and is the recommended entry level for students who have successfully completed Year 12 German or Chinese (Mandarin) less than two years ago.

LAC2001 LANGUAGE, HISTORY AND IDENTITY (FBELA - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Northern European Languages) Band 1
Pre-requisite: LAC1002
This course continues to enhance students' language skills and the cultural frameworks established in LAC1001 to provide a deeper knowledge of significant historical periods and events in the development of German and Chinese nationalism. The course considers more general theoretical perspectives about the formation of national identities and considers how social values emerge and change over time in both Germany and China contexts. LAC2001 builds on the skills and concepts acquired in LAC1001 to LAC2002.

LAC3001 LANGUAGE AND THE CONTEMPORARY WORLD (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Northern European Languages) Band 1
Pre-requisite: LAC1002
An update is required for the LAC2002 Language and Culture Special Project. This course is designed to allow students the opportunity to explore a topic of relevance to German/Swiss/Austrian or Chinese culture, history, society, business, engineering, performing or creative arts and to present their findings both in a written essay/report in the target language (approx. 1500 words) and in a formal spoken presentation. The project will be built upon the language skills and cultural knowledge already acquired to this level and will normally involve the application of such skills and knowledge to a specific area of study or activity.

LAC3003 LANGUAGE AND CULTURE SPECIAL PROJECT A (FBELA - UGRD)
Semester 2 (ONL)Toowoomba
Units 2.0 (Northern European Languages) Band 1
Pre-requisite: LAC3001 or for GERMAN language competency levels of B1 above
The Language and Culture Special Project is designed to allow students the opportunity to explore a topic of relevance to German/Swiss/Austrian or Chinese culture, history, society, business, engineering, performing or creative arts and to present their findings both in a written essay/report in the target language (approx. 1500 words) and in a formal spoken presentation. The project will be built upon the language skills and cultural knowledge already acquired to this level and will normally involve the application of such skills and knowledge to a specific area of study or activity.

LAW1101 INTRODUCTION TO LAW (FBELA - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Business and Commercial Law) Band 3
Pre-requisite: Students enrolled in one of the following Programs: LLBP or BLAW or BA1 or BBFL or BBLA or BBLA or BCLA or BCLW are not eligible for enrolment
This course is not suitable to be undertaken as an elective under the Bachelor of Laws program. This course is designed to introduce students to the impact of law on business. To do this it comprises a review with a component of the Chapters of the Australian legal system, the business process and the legal problems which disputes are resolved or litigated. Civil liability in contract law, negligence and other tortious actions are examined in some detail. Criminal law is also briefly covered as well as the law of agency.
LAW221 ADMINISTRATIVE LAW
Semester 3 (ONC/ONP)/Toowoomba (ONL)/Toowoomba Units 1.0 (Law) Band 3
Pre-requisite: LAW2211 or LAW2020 and LAW3461
Government agencies and officials constantly make decisions that affect our everyday lives. Some of these decisions affect the body of law that defines the rights and responsibilities of decision-makers (ensuring other things as well). This course examines the rules and concepts of administrative law. In particular the course examines the principles and processes of judicial review (including the grounds upon which such proceedings may be brought) and the ways in which decision-makers may be held responsible for their decisions and actions. The course will focus on the legal principles that underpin private civil litigation, as well as the processes that must be followed in commencing, conducting, and finalising civil claims. The comparable federal regime covered by the Evidence Act 1995 will also be considered. The information studied in this course is practical and aims to give students practical knowledge and skills to assist them in becoming competent practitioners.

LAW3311 COMPANY LAW
Semester 3 (ONC/ONP)/Toowoomba (ONL)/Toowoomba Units 1.0 (Business and Commercial Law) Band 3
Pre-requisite: LAW2212 or LAW2025 and LAW2030
Companies are the business form of choice which dominate the commercial landscape. The variety, size and structure of companies vary greatly. The object of this course is to provide students with an overview of the major principles and mechanisms of company law. On completion of this course, students will have sufficient legal information concerning choice of the corporate business form, including formation and characteristics of a company; the corporate constitution; corporate finance; share structure and membership; constitution and powers of corporations; directors' and general meeting; corporate authority; corporate governance including directors' duties; shareholders' Remedies; and administration and winding up of the company.

LAW3312 ETHICS FOR LAWYERS (FBELA - UGRD)
Semester 1 (ONC/ONP)/Toowoomba (ONC)/Toowoomba Units 0.5 (Legal Practice) Band 3
Pre-requisite: Students enrolled prior to 2016 - LAW1101 or LAW2205 and LAW4205; All other students - LAW2212 or LAW2205.
The course deals with the nature of legal practice, and involves further study of philosophers of applied ethics in legal practice. It includes skills exercises in letter writing, and drafting for client money. Topics studied include the regulation of the legal profession; admission and discipline; engagement, billing; and responsibilities in relation to client money, the conduct of litigation and advocacy, competence and careful practice, confidences, and loyalty to clients. It also deals with civilly and courteously in dealings with clients and other lawyers.

LAW3321 EVIDENCE (FBELA - UGRD)
Semester 3 (ONC/ONP)/Toowoomba (ONC)/Toowoomba Units 1.0 (Law not elsewhere classified) Band 3
Pre-requisite: LAW1120 or LAW2201 and LAW2025.
Evidence law concerns the rules and principles that govern what in law is admissible to be used in court proceedings. It addresses when an issue may come before the courts for determination. Therefore, understanding the rules of evidence is critical for all lawyers practising in a field in which disputes of fact may arise. This is especially true in areas of law. Criminal cases are the most heavily governed by laws of evidence, but these rules are also important for civil law, including contractual disputes, claims for damages for negligence and determinations. Although evidence law is largely procedural, its application can have a profound effect on the outcome of a case. In particular, rules governing admissibility determine the evidence which are allowed to hear and judges are permitted to take into account when reaching a verdict or deciding a factual issue. This course ex amines the various rules and principles that underlie the rules of evidence applicable in Queensland under the common law and Evidence Act 1977 (Qld). The comparable federal regime covered by the Evidence Act 1995 will also be considered. The information studied in this course is practical and aims to give students practical knowledge and skills to assist them in becoming competent practitioners.

LAW3404 BANKING, FINANCE AND INSURANCE LAW (FBELA - UGRD)
Semester 1 (ONL)/Toowoomba Units 1.0 (Business and Commercial Law) Band 3
Pre-requisite: LAW1101 or LAW2201 or LAW3501 or LAW3113 and the unfair contract terms regime.
This course aims to familiarise students with the theoretical issues that underlie private civil litigation, as well as the processes that must be followed in commencing, conducting, and finalising civil claims, in Queensland and Federal Courts. Students will also be exposed to alternative dispute resolution (ADR) methods and will consider the circumstances in which ADR is more appropriate than a direct confrontation to trial. Building on the fundamentals of the course, students will understand the various steps that are taken to progress civil litigation, and will become familiar with the applicable statutes and rules; and in particular the key provisions of the Uniform Civil Procedure Act 1997 (Qld). The course is designed to assist future practitioners in confidently solving litigation related problems utilising best practice.

LAW3406 INTELLECTUAL PROPERTY LAW (FBELA - UGRD)
Semester 3 (ONL)/Toowoomba Units 1.0 (Law not elsewhere classified) Band 3
Pre-requisite: LAW2023 or LAW2213 or LAW5763 or LAW5223.
This course aims to give students a good working knowledge and understanding of intellectual property law by providing an overview of the key areas of intellectual property law and examining the fundamental principles relating to copyright, trademark, designs, patents, plant breeders’ rights, circuit layouts and confidential information. Students will also gain an insight into the interaction of intellectual property law with competition and consumer law issues and the international framework of intellectual property law. This course is generally taken in the second year of the law degree and is a logical progression for students who have already developed basic skills in research, analysis, re ference and interpr eting and problem solving.
LAW3421 FAMILY LAW (FBELA - UGRD)
Semester 3 (ONL)Toowoomba
Units 1.0 (Family Law) Band 3
Pre-requisites: LAW1201 or LAW1111 or LAW5501 or LAW5911
Family law is a major area of legal practice which also overlaps with important social issues. The course will focus on the main areas to equip students with the ability to practice in Family Law. In relation to children’s issues the course will maintain a child-centred focus to give students direction as to the requirements of the courts and the community that the best interests of the child should be taken into account. The course will also focus on the dispute resolution process as it relates to Family disputes in a changing policy and legal environment.

LAW3422 SUCCESION LAW (FBELA - UGRD)
Semester 3 (ONL)Toowoomba
Units 1.0 (Law not elsewhere classified) Band 3
Pre-requisites: LAW2030 or LAW2101 or LAW5073 or LAW5913; and LAW5206 or LAW5223 or LAW5706 or LAW5020.
Succession law is an important area of legal practice as it deals with what happens to a person’s estate on the death of that person, including questions such as: 1. How are skills made, changed and interpreted? 2. When and why should a testator’s will be subject to challenge?

LAW3444 COMPETITION AND CONSUMER LAW (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Business and Commercial Law) Band 3
Pre-requisites: LAW2111 or LAW1213 or LAW5952 or LAW1323; or LAW2121 or LAW5951, LAW5711 or LAW5511 or LAW5911 or LAW1201
This unit examines the nature and operation of Australian competition and consumer protection law, primarily under the Competition and Consumer Act 2010 (Cth). There are two broad areas: 1. Competition Law, focusing on areas including market definition, competition, market power, cartels, anti-competitive agreements, exclusive dealing, price maintenance, anti-competitive mergers and acquisitions, authorisation and notifications and remedies and enforcement; and 2. Consumer Law, focusing on areas including the changes to consumer protection pursuant to the Competition and Consumer Act 2010 (Cth), misleading or deceptive conduct, unconscionable conduct, unfair contract terms, deception, misrepresentation, unfair and unenforceable, unfair practices, consumer guarantees, product safety standards, remedies and enforcement.

LAW3463 PRIVATE INTERNATIONAL LAW (FBELA - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (International) Band 3
Pre-requisites: LAW2202 or LAW1213 or LAW5952 or LAW1323; or LAW2121 or LAW5951, LAW5711 or LAW5511 or LAW5911.
Private international law relates to litigation and private legal obligations that cross borders - whether national or state borders. The course includes the power of Australian courts to deal with Australian based field of contract, tort, marriage and divorce, and property law.

LAW3464 INTERNATIONAL TRADE LAW (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (International Law) Band 3
Pre-requisites: LAW2202 or LAW1213 or LAW5952 or LAW1323;
This course addresses various areas of the law of the World Trade Organisation (WTO) and the law relating to international business transactions. It examines the legal framework of the WTO, international sales contracts and the United Nations Convention on Contracts for the International Sale of Goods - the law relating to the international transfer of goods by sea, and any national payments (through UK credit). The course also includes a study of arbitration as a means of resolving international commercial disputes. Students undertaking the course need to have an understanding of the law of contract. An introductory knowledge of the treaty, statute and case law relating to trade and the conduct of business across borders will be developed, as we all conduct activities in the global economy and are involved in international trade.

LAW3465 COMPARATIVE LAW (FBELA - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Law) Band 3
Pre-requisites: LAW1114 or LAW2122 or LAW5914 or LAW5922
Students who use this course to study the law of different countries will have a distinctive advantage in the global market of legal practitioners. Comparative law teaches the student to think on a global scale. This course introduces students to the law as it is practiced in other countries and legal traditions. Students must be enrolled in the JURS or LAW5501 or LAW5911 or LAW1201.

LAW3473 CONSTRUCTION LAW (FBELA - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Law not elsewhere classified) Band 3
Pre-requisites: (LAW1111 and LAW1112 and LAW5911) or LAW2101 or LAW2102 or (LAW5111 and LAW5112); or LAW1201 or LAW5911 or LAW5951
This course examines the legal challenges facing local government. It includes an examination of the Local Government Act 2009 (Qld) and related legislation and case law. Students will study local government, local government bodies, the opportunity to compare and contrast the Codes, particularly the Code with the Griffith Codes, and drill down into criminal law and see in far greater detail than in the core course.

LAW3474 AUSTRALIAN CRIMINAL CODES (FBELA - UGRD)
Semester 1 (ONL)Toowoomba; (ONL)Toowoomba
Units 1.0 (Criminal Law) Band 3
Pre-requisites: (LAW1111 and LAW1112 and LAW5911) or LAW2101 or LAW2102 or (LAW5111 and LAW5112) or LAW5911 or LAW1201;
The focus is on Australian jurisdictions that have Criminal Codes: South Australia, Western Australia, Queensland, New South Wales although also possibly other States and Territories.

LAW3475 CRIMINOLOGY (FBELA - UGRD)
Semester 1 (ONL)Sprindfield (ONL)Toowoomba
Units 1.0 (Criminal Law) Band 3
Pre-requisites: LAW1111 or LAW1112 or LAW5911 or LAW5912 or LAW2101 or LAW1201 or (LAW5111 and LAW5112) or LAW5951
This course introduces students to the study of crime and criminology and explores definitions of crime and examines some theoretical explanations for criminal behavior. The course further analyses a number of criminological theories and their development over time, continues different types of crime, with an overview of criminal behavior. Additionally, the course explores concepts emerging around victims of crime and their (limited) participation in the criminal justice system.

LAW3476 PRIVACY AND DATA PROTECTION LAW (FBELA - UGRD)
Semester 1 (ONL)Sprindfield (ONL)Toowoomba
Units 1.0 (Law not elsewhere classified) Band 3
Pre-requisites: (LAW1111 and LAW1112 and LAW1113) or (LAW1114 or LAW2121 or LAW5914 or LAW5915 or LAW5912); Students must be enrolled in the JURS or LAW5501 or LAW5911 or LAW1201;
This course introduces students to the law as it relates to privacy and data protection law. It examines key legal areas that are relevant to personal and information privacy. The areas covered include the common law right to privacy, statutory protection, trade secrets, rights of public figures and corporations, and the protection of personal information. In each area the application of existing legal concepts to new technologies. In each area the application of existing legal concepts to new technologies. In each area the application of existing legal concepts to new technologies.

LAW3477 CHINESE LAW AND SOCIETY (FBELA - UGRD)
Semester 2 (ONL)Sprindfield (ONL)Toowoomba
Units 1.0 (Law not elsewhere classified) Band 3
Pre-requisites: (LAW1111 and LAW1112 and LAW5911) or LAW2101 or LAW1201 or (LAW5111 and LAW1201 or LAW5911 or LAW1201) or LAW1201 or LAW5911 or LAW5951
The course examines the rich cultural heritage of China that continues to inform the role and function of law in the Chinese worldview. It explores the role of Confucianism and Buddhism on aspects of law and lawmaking, and the legal and political profession of China; commercial and foreign investment laws of China; intellectual property, litigation and enforcement of legal rights in China, and post-colonial Chinese concepts of human rights and national sovereignty.
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LAW5222 ADVANCED PUBLIC INTEREST AND HUMAN RIGHTS LAW (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Law) Band 3
Pre-requisites: LAW5111 and LAW5122 or LAW57015 and LAW57030

This course continues the study of property law commenced in Property and Trusts. It particularly looks at leasing, mortgage agreements and easements and restrictive covenants. Following this, legal and equitable interests in property will be covered which leads into the second part of the course, which is devoted to the law of trusts. The focus is on the commercial use of trusts as a means of holding particular in tenancy by the proprietor. It also looks at the role of trust in business form and method of property management continues to be popular and it is necessary to approach this topic in a practical and theoretical way that arise in this context. Students will consider all potential legal/risks and liabilities that come with this structure.

LAW5233 ADVANCED LAWYERING (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Law not elsewhere classified) Band 3
Pre-requisite: LAW5121 or LAW5605 and LAW5606

This course is designed to familiarise students with the theoretical issues that underpin private civil litigation, as well as the processes that must be followed in conducting expert witness examinations, and framing the issues in disputes in the Queensland and Federal courts. Students will be exposed to the role of expert evidence and the various functions of an expert witness. Students will be expected to understand the role of experts in civil litigation, and to be able to conduct effective expert examinations and present and defend the results. The dissertation will be a significant piece of independently conducted and written research, and will be drawn from the candidate’s work experience and in interest. It is recognised that the work of some candidates is not necessarily suited for the purpose and that the dissertation, students will be required to select a research topic, develop a proposal, carry out supervised research on the chosen topic using an appropriate research method, and present and defend the results.

LAW5001 LEGAL RESEARCH METHODOLOGY (FBELA - PGRD)
Semester 1 (ONC)Springfield (ONL)Toowoomba
Semester 2 (ONC)Springfield (ONL)Toowoomba
Units 2.0 (Law) Band 3
Pre-requisite: LAW5802 This is a two-unit course that contributes towards the Master of Laws Research Dissertation. The course provides an introduction to basic research for students undertaking a dissertation (maximum of 40,000 words). Students examine the work of some candidates is not necessarily suited for the purpose and that the dissertation, students will be required to select a research topic, develop a proposal, carry out supervised research on the chosen topic using an appropriate research method, and present and defend the results.

LAW5004 LAW MASTERS DISSERTATION C (FBELA - PGRD)
Semester 2 (ONC)Springfield (ONL)Toowoomba
Units 4.0 (Law) Band 3
Pre-requisite: LAW5802 This is a four-unit course that contributes towards the Master of Laws Research Dissertation. The course provides an introduction to basic research for students undertaking a dissertation (maximum of 40,000 words). Students examine the work of some candidates is not necessarily suited for the purpose and that the dissertation, students will be required to select a research topic, develop a proposal, carry out supervised research on the chosen topic using an appropriate research method, and present and defend the results.
increasingly been abrogated by Australian statutes, in the context of property rights. It will consider the extent to which such rights have right to natural justice and an open court, fairness in sentencing, and in one of the following programs LLBH or LLMC.

Units 1.0 (Constitutional Law) Band 3
Semester 2 (ONL)Toowoomba
Pre-requisite or Co-requisite: LAW9001

This course requires students to undertake a major project that in involves initiative, organisation, research and other activities that may include analysis, problem-solving, reflection, written communication, teamwork, interpersonal skills and ethical inquiry. The course is intended to provide students with a capstone experience that requires and features the application of detailed legal knowledge, together with various skills, in multiple areas as they prepare to complete and exit the law program.

LAW9006 MAJOR LAW HONOURS DISSERTATION (FBEA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (International Law) Band 3
Pre-requisite or Co-requisite: LAW9001

This course addresses various areas of the law of the World Trade Organisation (WTO) and the law relating to international business transactions, especially the legal framework of the WTO, international sales contracts - especially as governed by the United Nations Convention on Contracts for the International Sale of Goods - the law relating to the international transport of goods by sea, and international arbitration. The course also includes an exploration of the relevant legal history in the US, Canada and Australia. It is delivered intensively in four seminars over two weeks (two seminars in each of two weeks), and will involve closely supervised research assignments.

LAW8118 INTERNATIONAL BUSINESS LAW (FBEA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (International Law) Band 3
Pre-requisite: LAW5111 and LAW5112; Students must be enrolled in the following Program: LLBH

This course constructs a chronology of the recognition and refinement of the concept of native title in Australia, and interposes with this an exploration of the relevant legal history in the US, Canada and New Zealand. It examines the Australian legal landscape prior to the watershed Mabo (No.2) decision, critically re-examines that decision and its implications, and explores the essence of the parallel but much longer legal histories in other key countries - in the process providing a case study in comparative methodology. The course then returns to Australia, examining the initial federal legislative response to the Mabo decision, critically re-examines the Australian federal legislative response to the Native Title Act 1993 (Cth), the succeeding critical Australian cases on extinguishment and ultimately proof and content, the evolution of the federal legislation, and the pattern of agreement making across the country. It concludes with a close examination of key contemporary controversies and initiatives in the field.

LAW8710 INTERNATIONAL FAMILY LAW (FBEA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (International Law) Band 3
Pre-requisite: LAW5111 and LAW5112; Students must be enrolled in the following Program: LLBH

This course constructs a chronology of the recognition and refinement of the concept of native title in Australia, and interposes with this an exploration of the relevant legal history in the US, Canada and New Zealand. It examines the Australian legal landscape prior to the watershed Mabo (No.2) decision, critically re-examines that decision and its implications, and explores the essence of the parallel but much longer legal histories in other key countries - in the process providing a case study in comparative methodology. The course then returns to Australia, examining the initial federal legislative response to the Mabo decision, critically re-examines the Australian federal legislative response to the Native Title Act 1993 (Cth), the succeeding critical Australian cases on extinguishment and ultimately proof and content, the evolution of the federal legislation, and the pattern of agreement making across the country. It concludes with a close examination of key contemporary controversies and initiatives in the field.

LAW8713 SUSTAINABLE ENVIRONMENTAL GOVERNANCE (FBEA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Law) Band 3

This course aims to assist students to adopt new knowledge and skills relating to education and management environments. Graduates of this course will gain confidence in identifying possible legal problems before they arise, based on their knowledge of various statutory, contractual and common law duties, especially the duty to take reasonable care, which underpin the educational process. Students will be challenged to critically examine and evaluate the legal rights and responsibilities of various stakeholders, including students and parents, educators and administrators associated with the role of mediators in the development of practical skills, students will be encouraged to use a professional and ethical approach to the resolution of disputes, to share their own experience and valued knowledge with others in the course. Participants will also become familiar with the local legal system in Victoria.
This page discusses various approaches to assessing and describing learner language. It covers a range of courses and projects. For instance, LIN8002 Methodology in Teaching a Second Language (FBELA - PGRD) involves a review of the literature associated with a unique project in public international law. This course is designed for students who want to develop their skills in language theory and research, and will consider the design and implementation of innovative pedagogical approaches, including incorporation of digital communication technologies. Students will have the opportunity to relate their study to their particular language learning and language program context.

LIN8003 Language Program Management (FBELA - PGRD) is another course that focuses on developing and managing language programs. Students will learn to design and interpret results, and to relate their study to their particular language learning and language program context.

LIN8004 Computer-Assisted Language Learning (FBELA - PGRD) is a course that provides language teachers with an introduction to theory and practice of Computer-Assisted Language Learning (CALL). Students will learn about the principles of CALL, current trends and issues of CALL, research on language teaching and CALL in general, and the development and use of CALL applications such as moodle, hypermedia materials, and strategies for integrating CALL into second language programs.

LIN8007 Language and Literacy Assessment (FBELA - PGRD) is a course that focuses on language and literacy assessment. Students will learn about the principles of second language learning that are addressed in the course, and the relationship between each of these facets, and the social and cultural context in which it is embedded.

LIN8015 Introduction to Sociolinguistics (FBELA - PGRD) is a course that introduces students to the study of language and social variables. Students will learn about the principles of sociolinguistics, and how they can be applied in a variety of settings, including schools, workplaces, and communities.

LIN8019 Teaching Languages to Young Learners (FBELA - PGRD) is a course that focuses on teaching languages to young learners. Students will learn about the principles of second language learning, and how they can be applied in a variety of settings, including schools, workplaces, and communities.

MAC8901 Issues in Teaching Mathematics (FHESC - PGRD) is a course that focuses on issues related to teaching mathematics. Students will learn about the principles of second language learning, and how they can be applied in a variety of settings, including schools, workplaces, and communities.

MARI003 Master of Arts Project A (FBELA - PGRD) is a course that focuses on the development of a research project. Students will learn about the principles of second language learning, and how they can be applied in a variety of settings, including schools, workplaces, and communities.
This course is a continuation of the work commenced in MAR8003 to complete under supervision an extended 30,000 word thesis or dissertation. This 2-unit course enables selected students enrolled in the Masters programs: MSTA or MARA and have successfully completed MARB202.

Pre-requisite: Students must be enrolled in one of the following Programs: MSTA or MARA and have successfully completed MARB202.

This 2-unit course enables students enrolled in the Master of Arts programs: MSTA or MARA and have successfully completed MARB202.

Pre-requisite: Students must be enrolled in one of the following Programs: MSTA or MARA and have successfully completed MARB202.

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This course develops fundamental mathematical concepts for many fields of study. Topics include: basic arithmetic, measurement, basic algebra, functions and graphs, exponential, logarithmic and trigonometric functions. Skills are developed in reading, writing and communicating mathematical and quantitative information effectively in a range of settings.

Pre-requisite: Students must be enrolled in one of the following Programs: MSTA or MARA and have successfully completed MARB202.

This course demonstrates advanced scholarship through the submission of professional reports or an extended research essay completed in 2 parts. Students must have successfully completed HMT4005.

Units 1.0 (Studies in Human Society) Band 1

Pre-requisite: Students must have successfully completed HMT4005.

Units 1.0 (Studies in Human Society) Band 1

This course builds on the linear algebra of MAT1102 Algebra and Calculus 1 to extend the ideas of vector spaces, linear independence, and basis to include matrices, vectors and calculus. This course advances conceptual and technical competencies in these fields by investigating limits, continuity, inverse functions, compositions, rational functions and polynomial functions. The theory of differentiation and integration are advanced and used in problem-solving applications. Vector algebra is extended and applied to the description of lines and planes in space. Matrices are extended to determinants, and used for modelling and to solve systems of linear equations in a range of settings. Euler notation is used to represent complex numbers and functions.

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MAT8180 MATHEMATICS/STATISTICS COMPLEMENTARY STUDIES A (FHEC - PGRD)
Semester 1 (ONL)Toowoomba (ONC)Toowoomba Units 1.0 (Mathematical Sciences not else) Band 2

This course provides the opportunity for a student to pursue an area of study that will complement the other studies in the student's pro-
gram. Typically the course will consist of specialized investigations extending knowledge and skills in a certain area. The studies could in-
volve, for example, directed readings, extension of the project (where appropriate), or some other approved activity which would com-
plement the student's studies in the program.

MAT8190 MATHEMATICS/STATISTICS COMPLEMENTARY STUDIES B (FHEC - PGRD)
Semester 2 (ONL)Toowoomba (ONC)Toowoomba Units 1.0 (Biological Sciences not else) Band 2

This course provides the opportunity for a student to pursue an area of study that will complement the other studies in the student's pro-
gam. Typically the course will consist of specialized investigations extending knowledge and skills in a certain area. The studies could in-
volve, for example, directed readings, extension of the project (where appropriate), or some other approved activity which would com-
plement the student's studies in the program.

MEB8000 APPLIED BUSINESS RESEARCH AND ETHICS (FBEIA - PGRD)
Semester 1 (ONC)Springfield (ONL)Toowoomba (ONC)Toowoomba Units 1.0 (Business and Management) Band 3

The fundamental role of business is to benefit society through the provision of value-adding products and services. This course will ex-
pose students to a range of complex and problematic moral cases that will be used to develop an understanding of the ethical issues that will arise in the workplace throughout their career. The course is aimed at students who are preparing to work in an ethical, social and environmentally responsible manner.

MEA1003 AUDIO PRODUCTION (FBEIA - A - UGRD)
Semester 1 (ONL)Toowoomba Units 1.0 (Audio Visual Studies) Band 1
Pre-requisite: Only Han Chiang College and SEGI students eligible.

This course is designed to make students familiar with the use of audio assistant and audio equipment, the editing suite, and the field recording situation.

MEC1201 ENGINEERING MATERIALS (FHEC - UGRD)
Semester 1 (ONC)Springfield (ONC)Toowoomba (ONC)Toowoomba (ONL)Toowoomba Units 1.0 (Materials Engineering) Band 2

Materials science and engineering course has come into its own as a field over the past 25 years. The central theme in this development is the concept that the properties and behaviour of a material are closely related to the internal structure of that material. This course will take students to a range of complex and problematic moral cases that will be used to develop an understanding of the ethical issues that will arise in the workplace throughout their career. The course is aimed at students who are preparing to work in an ethical, social and environmentally responsible manner.

MEC1501 INTRODUCTION TO INDUSTRIAL PROPERTIES (FHEC - UGRD)
Semester 2 (ONL)Toowoomba Units 1.0 (Process and Resources Engineering) Band 2
Pre-requisite: CV1500 or CV1501

This introductory course enables the student to achieve a basic un-
derstanding of the control systems used in a number of different in-
stustrial processes. Most of the systems described in this course are normally designed and implemented by applying the fundamental principles covered in this course, together with the material covered in the course on Fluids and Thermodynamics, Electrical and Electronic Circuits, Sensors and Actuators, and Programming Logic. This course provides basic training in the implementation of selected safety and control systems, and will provide opportunities for students to develop skills in the use of feature-based parameter supply through the design of control systems.

MEC1202 MANUFACTURING PROCESSES (FHEC - UGRD)
Semester 1 (ONC)Springfield (ONC)Toowoomba (ONC)Toowoomba (ONL)Toowoomba Units 1.0 (Manufacturing Engineering) Band 2
Pre-requisite: MEC1301

This course covers the methods of production and the processes best suited for this type of production have to be designed for materials processing and cutting processes are considered, and complemented by further studies at higher levels of the program. Typically the course will consist of specialization in a certain area. The studies could involve, for example, directed readings, extension of the project (where appropriate), or some other approved activity which would complement the student's studies in the program.

MEC2042 DESIGN OF MACHINE ELEMENTS (FHEC - UGRD)
Semester 1 (ONC)Springfield (ONC)Toowoomba (ONC)Toowoomba Units 1.0 (Mechanical Engineering) Band 2
Pre-requisite: MEC2042 or Students must be enrolled in one of the following Programs: GCEN or METC or METP or GCNS or GDNS or MEPR

This course aims to introduce the student to the design of machine elements and the principles of selection and design of machine elements. The course will provide opportunities for students to develop skills in the use of feature-based parameter supply through the design of control systems. The course also develops the student's skills and knowledge in those techniques and principles deemed to be essential for solid modelled. Further, the skills acquired in this course will be applied to other courses and will be further developed in the course on Industrial Process Control Systems.

MEC2304 SOLID MODELLING (FHEC - UGRD)
Semester 2 (ONC)Springfield (ONC)Toowoomba (ONC)Toowoomba Units 1.0 (Mechanical Engineering) Band 2
Pre-requisite: MEC1302 or MAT1110 or ENM1800 and CV1501 or Students must be enrolled in one of the following Programs: GCEN or METC or EMPR or GCNS or GDNS or MEPR

A working knowledge of the basic laws of motion and of the concepts of force, energy, momentum, impulse and vibration is fundamental to the study of mechanics and the solution of engineering problems. This course in these basic concepts are reviewed and a fundamental technical skill is acquired for the development of many assist-in problems. The plane motion of particles, bodies, interconnected bodies, mechanisms and geared systems.

MEC2402 STRESS ANALYSIS (FHEC - UGRD)
Semester 1 (ONC)Springfield (ONC)Toowoomba (ONC)Toowoomba Units 1.0 (Mechanical Engineering) Band 2
Pre-requisite: CV1501 or Students must be enrolled in one of the following Programs: GCEN or METC or EMPR or GCNS or GDNS or MEPR

Every structure or machine has to perform its intended function within a prescribed and acceptable probability of failure. Stress analysis addresses the strength and rigidity of structures and machines. This course is intended to give the student the ability to analyse many practical problems in which force is the working medium. The aim of the analysis is to estimate forces on objects due to the force which can be either static of flowing (this is an important step in the design of these objects), to detect causes of decline in performance, and to recommend solutions to prolong the life and improve efficiencies of these objects, to detect causes of decline in performance, and to recommend solutions to prolong the life and improve efficiencies of these objects.

MEC2405 MACHNERY DYNAMICS (FHEC - UGRD)
Semester 1 (ONC)Springfield (ONC)Toowoomba (ONC)Toowoomba Units 1.0 (Mechanical Engineering) Band 2
Pre-requisite: ENM1600
A Graduate Mechatronics Engineer must have mastery of the topics introduced in this course, including Mechatronic Design, State-Space Modelling, Control Systems, System Dynamics, Actuators/Motors, Sensors and Microcontrollers. Throughout the course, State-Space Modelling and Microcontroller interfacing will be a common theme and will be consistently reinforced. The course will be assessed by three assessments items - two assignments and a final written exam. This first assignment encompasses a systems design report detailing the solution to a typical engineering problem. The second assignment encompasses a more hands-on approach to solve a specific control task using modelling techniques, motors, sensors, and a microcontroller. The final examination will assess the general theory and knowledge taught in the course.

MEC2501 PROCESS CONTROL SYSTEMS (FHEC - UGRD)
Semester 2 (ONL)Toowoomba Units 1.0 (Process and Resources Engineering) Band 2
Pre-requisite: ELE1201 or (MEC1501 and ELE1201 as co-requisite or Pre-requisite)

This course takes a multi-disciplinary approach to provide the student with a knowledge base and application skills to design and imple-
ment process control systems. These designs would include the specification of vital hardware systems and associated sensors and actuators to allow safe and effective control of the operational and performance. The principles of control theory that the course relays covered in the co-requisite course on Industrial Process Control Systems. The course also further extends on the fundamental knowledge learned in the previous course on Industrial Process Control Systems by enabling students to undertake the specification, design and implementation of selected safety and control systems.
This course presents a series of activities designed to develop specific competencies relevant to Mechanical Engineering. These activities are to be carried out on an individual or small-group basis. This course contains a mandatory residential school for external students and mandatory on-campus laboratories or practical classes for on-campus students.

**MEC2902 MECHANICAL PRACTICE 2** (FHEC - UGRD)  
Semester 1 (EXT) (Toowoomba) 
Units 0.0 (Mechanical Engineering) Band 2

This course falls naturally into three parts: Part One consists of a design activity where a small team of students develops a design concept and specification for a device capable of satisfying a broadly specified task. Part Two comprises the procurement of appropriate resources and the design and construction of the device in accord with the design specification developed in Part One. Part Three covers the testing and evaluation of the device in Part Two. This course contains a mandatory residential school for external students and mandatory on-campus laboratories or practical classes for on-campus students.

**MEC3102 FLUID MECHANICS** (FHEC - UGRD)  
Semester 1 (ONL) (Toowoomba) 
Units 1.0 (Mechanical Engineering) Band 2

The course contains a mandatory residential school for on-campus students.

**MEC2001 MECHANICAL PRACTICE 1** (FHEC - UGRD)  
Semester 2 (ONL) (Toowoomba) 
Units 0.0 (Mechanical Engineering) Band 2

This course involves the design and implementation of a project, typically a mechanical system or device, which will be produced in a CAE facility. Students are involved in all aspects of the project, from conceptualisation to production. This course contains a mandatory residential school for external students and mandatory on-campus laboratories or practical classes for on-campus students.

**MEC3202 COMPUTATIONAL MECHANICS IN DESIGN** (FHEC - UGRD)  
Semester 1 (ONL) (Toowoomba) 
Units 1.0 (Mechanical Engineering) Band 2

Pre-requisite: (MEC2301 and MEC2401) or Students must be enrolled in one of the following Programs: GCEN or GCNS or MENS

This course will provide students with an understanding of the operational and limitations of computer aided engineering (CAE) and analyse systems, and provide opportunities to develop the basic skills required to operate such systems. Material presented will include brief discussion on the architecture of CAE systems, numerical methods and finite element methods. The advantage of CAE analysis is demonstrated by several engineering assignments that students must complete on a CAE facility throughout the semester. Considerable emphasis is placed on the appropriate use of the finite element method in the design process.

**MEC3303 MECHANICAL AND MECHATRONIC SYSTEM DESIGN** (FHEC - UGRD)  
Semester 2 (ONL) (Toowoomba) 
Units 1.0 (Mechanical Engineering) Band 2

Pre-requisite: (MEC2301 or Students must be enrolled in one of the following Programs: GCEN or GCNS or MENS or MEPR or MENS)

In this course, the student engages in assignments and workshops to develop the student's ability to discern the relevant factors and design accordingly, to interact within a design team, and to convey creative ideas and concepts through oral and written presentation. An essential skill for the design engineer is the ability to be able to work across disciplines and therefore they often have to "learn on the fly". In this course the student is introduced to a number of specialist topics not covered elsewhere in their course of study. This is a senior course and it is assumed that the student has the maturity, knowledge and skills base to communicate with having completed the first two years of their undergraduate course.

**MEC3403 DYNAMICS II** (FHEC - UGRD)  
Semester 2 (ONL) (Toowoomba) 
Units 1.0 (Mechanical Engineering) Band 2

Pre-requisite: (MEC2401 and MEC2402) or Students must be enrolled in one of the following Programs: GCEN or GCNS or MENS

A characteristic of mechanical engineering is that things move. Parts are subject to forces, causing them to accelerate. Impact on each other, the resulting impulses causing changes in momentum. Parts and motion must be balanced while geometric forces operate. Vehicles in space are subject to gravitational fields and propulsion thrusts. Fluctuating forces cause vibrations that can have many modes that must be damped out. The student of this advanced course will develop the ability to analyse all of these. The ability to analyse comes with a cost. Motions, forces, moments and energy are all subject to mathematical equations. To make the most of an advanced nature. In grasping the fundamentals, the student will come to grips with differential equations, matrices and tensors. These skills will be built up as understandable solutions to practical engineering issues, problems with differential equations, matrices and tensors. These skills are built up as understandable solutions to practical engineering issues, problems with differential equations, matrices and tensors. These skills are built up as understandable solutions to practical engineering issues, problems with differential equations, matrices and tensors.

**MEC3904 MECHANICAL PRACTICE 4** (FHEC - UGRD)  
Semester 2 (ONC) (Toowoomba) 
Units 0.0 (Mechanical, Industrial Engineering) Band 2

The course comprises two parts - engineering metrology and com puter assisted machining. It is the aim of this course to provide students with practical skills with regard to a variety of areas. Metrology activities include precision measurement of component features, form and geometry utilising specialised measuring instruments and equipment. Subsequent analysis and presentation of measurement data also form part of metrology. Computer assisted machining encompasses NC programming methods, program preparation, program verification and machining using computer software. The activities will be carried out individually and in groups. This course contains a mandatory residential school for on-campus students.

**MEC3902 ROBOTICS AND MACHINE VISION** (FHEC - UGRD)  
Semester 2 (ONC) (Toowoomba) 
Units 0.0 (Mechanical, Industrial Engineering) Band 2

Pre-requisite: (MEC2401 or Students must be enrolled in one of the following Programs: GCEN or GCNS or MENS or MEPR or MENS)

The course further develops the basic physics concepts and principles learned in thermodynamics and fluid mechanics to heat transfer in its three different modes. The three modes are conduction, convection (free and forced) and radiation. Application of these principles to practical industrial applications is an important aspect of this course.

**MEC4104 ENERGY TECHNOLOGY** (FHEC - UGRD)  
Semester 2 (ONL) (Toowoomba) 
Units 1.0 (Mechanical, Industrial Engineering) Band 2

Pre-requisite: (MEC2301 and MEC2401 and MEC2402) or Students must be enrolled in one of the following Programs: GCEN or GCNS or MENS or MEPR or MENS

The course contains a mandatory residential school.

**MEC4406 ROBOTICS AND MACHINE VISION** (FHEC - UGRD)  
Semester 2 (ONC) (Toowoomba) 
Units 1.0 (Mechanical, Industrial Engineering) Band 2

The course contains a mandatory residential school for external students and mandatory on-campus laboratories or practical classes for on-campus students.

**MEC3905 MECHATRONIC PRACTICE** (FHEC - UGRD)  
Semester 2 (EXT) (Toowoomba) 
Units 0.0 (Mechanical, Industrial Engineering) Band 2

Pre-requisite: (MEC3102 or MEC2106 or MEC2105 or MEC3101)

Machine tools are used to fabricate the components of a product or device. The control systems of these tools are essential to the operation and performance of the tools. The design and implementation of control systems is a fundamental requirement for all industrial applications. This course further develops the basic physics concepts and principles learned in thermodynamics and fluid mechanics to heat transfer in its three different modes. The three modes are conduction, convection (free and forced) and radiation. Application of these principles to practical industrial applications is an important aspect of this course.

**MEC4103 HEAT TRANSFER** (FHEC - UGRD)  
Semester 2 (ONC) (Toowoomba) 
Units 1.0 (Mechanical, Industrial Engineering) Band 2

Pre-requisite: (MEC2301 or MEPR2102 or Students must be enrolled in one of the following Programs: GCEN or GCNS or MENS or MEPR or MENS)

The course contains a mandatory residential school.

**MEC3302 ROBOTICS AND MACHINE VISION** (FHEC - UGRD)  
Semester 2 (EXT) (Toowoomba) 
Units 0.0 (Mechanical, Industrial Engineering) Band 2

This course contains a mandatory residential school for external students and mandatory on-campus laboratories or practical classes for on-campus students.

**MEC2303 MATERIALS TECHNOLOGY** (FHEC - UGRD)  
Semester 2 (ONC) (Toowoomba) 
Units 1.0 (Materials Engineering) Band 2

Pre-requisite: (MEC2301 or Students must be enrolled in one of the following Programs: GCEN or GCNS or MENS or MEPR or MENS)

The course contains a mandatory residential school for on-campus students.

**MEC2304 PRODUCTION ENGINEERING** (FHEC - UGRD)  
Semester 2 (ONL) (Toowoomba) 
Units 1.0 (Industrial Engineering) Band 2

The course involves the design and implementation of a project, typically a mechanical system or device, which will be produced in a CAE facility. Students are involved in all aspects of the project, from conceptualisation to production. This course contains a mandatory residential school for external students and mandatory on-campus laboratories or practical classes for on-campus students.

**MEC2105 FLUID MECHANICS** (FHEC - UGRD)  
Semester 2 (ONC) (Toowoomba) 
Units 1.0 (Mechanical Engineering) Band 2

Pre-requisite: (MEC2401 and MEC2402) or Students must be enrolled in one of the following Programs: GCEN or GCNS or MENS or MEPR or MENS

This course contains a mandatory residential school for on-campus students.

**MEC2106 FLUID MECHANICS** (FHEC - UGRD)  
Semester 2 (ONC) (Toowoomba) 
Units 1.0 (Mechanical Engineering) Band 2

Pre-requisite: (MEC2401 and MEC2402) or Students must be enrolled in one of the following Programs: GCEN or GCNS or MENS or MEPR or MENS

The course contains a mandatory residential school for on-campus students.

**MEC2403 ROBOTICS AND MACHINE VISION** (FHEC - UGRD)  
Semester 2 (ONC) (Toowoomba) 
Units 1.0 (Mechanical, Industrial Engineering) Band 2

Pre-requisite: (MEC2401 and MEC2402) or Students must be enrolled in one of the following Programs: GCEN or GCNS or MENS or MEPR or MENS

The course contains a mandatory residential school for external students and mandatory on-campus laboratories or practical classes for on-campus students.
The content of the course provides the opportunity to apply critical thinking to alternative perspectives of organisation extending beyond the profit-making paradigm, as a central strategy to maximise shareholder return on investment. Students are introduced to a more advanced range of contextual information surrounding HR and organisational activities, including topics such as organisational vision and values, management and power in organisations, the organisational life cycle, organisational development, and organisational culture. The course will examine how critical thinking enables students to critically evaluate and question preconceptions and assumptions arising from competing imperatives to compete, collaborate, control, and create.

This course aims to develop students’ understanding of the ethical dimensions of managerial decision-making in relation to the governance of organisations. Topics include normative and descriptive ethical theories, the role of ethical decision-making in organisational activity, and the impact of ethical considerations on the effectiveness of managerial decision-making. Students will be encouraged to critically evaluate the ethical implications of their own decisions and actions, and to reflect on the ethical dimensions of their own roles and responsibilities as managers and leaders. The course will also provide students with the opportunity to develop their ethical reasoning skills and to reflect on the ethical issues that arise in their own organisational contexts.

This course examines the dynamics and challenges that today’s managers face as the world of business, work, and organisational life become more “globalised” and culturally diversified. Learning topics have been developed to provide students with theoretical knowledge and skills necessary to operate in the globalised business environment and to develop a global awareness of business realities and challenges faced by today’s managers, professionals and technical experts. While the focus of the course is on understanding cultural differences and to comparatively discuss management issues across multicultural, cross-cultural, and cross-national boundaries, the latter aspect of the course considers examples of organisational challenges and management interventions across different countries and regions. The course is designed to give students experience applying specific change programs.
MGT3006 EMPLOYMENT RELATIONS (FBELA - UGRD)
Semester 3 (ONL)Toowoomba Units 1.0 (Industrial Relations) Band 3
Enrolment is not permitted in MGT3006 if MGT2006 has been previously completed.

Upon the completion of this course, students will be able to comprehend the complexity and critical nature of the industrial environment on the human resource function within the organisation. Employment relations constructs provide the basis of the organisational regulatory environment. The employment relations skills required by business owners, managers and human resource professionals are important for maintaining a sound approach to managing workers and maintaining best practice within the organisation, particularly where meeting industry standards through critical examination practices. Students will be able to acquire an in-depth understanding of this environment which enables them, in practice, to manage the complex and inherently political nature of this environment. Concepts explored in the course include agreement making, the causes of industrial conflict, the role of trade unions and employer associations, IR legislation, negotiation, managing workplace diversity, and recent developments in the organisation of work. It is recommended that students have a developed understanding of basic human resource and organisational behaviour theory prior to commencing this course.

MGT3007 KNOWLEDGE MANAGEMENT AND ORGANISATIONAL LEARNING (FBELA - UGRD)
Semester 1 (ONL)Toowoomba Units 1.0 (Organisation Management) Band 3
Enrolment is not permitted in MGT3007 if MGT2008 has been previously completed.

The main objective of knowledge management and organisational learning courses is for students to gain an understanding of the insights and skills that are required in their managerial and leadership roles, higher levels of organisational effectiveness, efficiency, competitiveness and cooperativeness in emerging knowledge-based markets. This course examines the role of the knowledge-intensive organisation and its broad relationship to the new demands of the knowledge economy. Key elements of the course consider the nature and purpose of knowledge, knowledge work and organisational learning. These elements form the basis for having purposeful knowledge management and organisational learning strategies and systems for developing high performance knowledge and learning organisations. Current and prospective managers and leaders are introduced to essential knowledge management and organisational learning principles. This will enable students to a more strategic use of knowledge and learning in organisations. Students will work together on a profession project that requires that they examine and provide advice on relevant knowledge management and (or) organisational learning process.

MGT3101 BUSINESS STRATEGY IN A GLOBAL ENVIRONMENT (FBELA - UGRD)
Semester 1 (ONL)Toowoomba Semester 3 (ONL)Toowoomba Units 1.0 (Business Management) Band 3
Enrolment is not permitted in MGT3101 if MGT3002 has been previously completed.

This course provides both a traditional and contemporary study of business strategy with an emphasis on the analysis of organisation facing the modern-day challenges of a globalised world. Much of this course will focus on decision making from a strategic management viewpoint. Students will critically analyse the development of the main concepts of optimising profit and minimise costs in a supply chain environment. The course will cover the main concepts of optimising profit and minimise costs in a supply chain environment. It is therefore through effective performance management and the approach to the management of work performance and to the continuous improvement of employees as individuals as well as groups. The main focus is on improving the behaviour and performance of the members of organisations to achieve organisational objectives. This course provides a framework in which students are exposed to a range of theories and experiences within the field of organisational behaviour which will allow them to further develop in sight, attitudes and skills to a level consistent with the expectations of senior management. The course aims to provide an understanding of the behaviour of people at work. It analyses behaviour at the individual, group and organisational levels. Managers must understand the complex interactions that influence the effectiveness of different management strategies and organisational structures under different environmental and technological conditions. As well as reviewing the current theories and research in the area, the course uses case studies to examine the implications for practising managers.

MGT3104 OPTIMISATION OF SUPPLY CHAINS (FBELA - UGRD)
Semester 1 (ONL)Toowoomba Units 1.0 (Purchasing, Warehousing and DI) Band 3
This course will cover the main concepts of optimising profit and minimise costs in a supply chain environment. Students will be able to acquire an in-depth knowledge of this environment which enables them, in practice, to manage the complex and inherently political nature of this environment. This course is a capstone of a professional business education. Since this is an integrative course which draws on prior subject areas, it is advisable that students have a developed understanding of basic human resource and organisational behaviour theory prior to commencing this course.

MGT3201 ORGANISATIONAL ADMINISTRATION (FBELA - UGRD)
Semester 2 (ONL)Toowoomba Semester 3 (Office Studies not elsewhere c) Band 3
Effective administration is a key component of successful and sustainable business. In this course, students will learn about the ways in which we classify and administer the various roles and as pects of the work conducted within the organisation by exploring the diversity of ideas and practices which contribute to the development and delivery of work. Students will consider the evolution of administrative management as a concept, including the role of scientific management in its historical antecedent. All managers, irrespective of their specialist expertise, need a sound understanding of a range of administrative functions and, since most administrative functions are conducted in teams, an appreciation of the required features of an effective office environment including the virtual workplace. The importance of time management, problem solving ability, efficient work flow and an appreciation of cultural diversity are emphasized throughout the course. Having completed this course, students should be able to plan and organize a range of administrative functions in support of an organization's operations.

MGT3203 PROJECT MANAGEMENT PROCESSES (FBELA - UGRD)
Semester 3 (ONL)Springfield Units 1.0 (Project Management) Band 3
Enrolment is not permitted in MGT3203 if MGT2008 has been previously completed.

The course provides an overview of project management and its role in achieving organisational outcomes. It examines how projects are created and managed across their lifecycle, how key stakeholders influence project objectives and outcomes, and the organisational structure that is required to provide project resources. It looks at how to identify, define and deliver the project outcomes and deliverables, and how to identify and manage the time frame and the financial sources required to deliver project outcomes. It considers how to achieve the appropriate balance of project processes and how to manage any risks to those outcomes, and how to manage the processes by which projects are defined and the risks are managed. The course also examines how to develop appropriate competencies to manage a small to medium project.

MGT3204 WAREHOUSING AND INVENTORY TOOLS (FBELA - UGRD)
Semester 2 (ONL)Toowoomba Units 1.0 (Purchasing, Warehousing and DI) Band 3
The course will enable students to learn about the main methods of managing the physical components of inventory within and across warehouses. Various topics distinguish between the key differences of warehousing and inventory systems. Students are used to analyse different kinds of warehousing and inventory needs across industries, e.g., the food industry. Students should be able to see the links with continuous improvement techniques as it acquire key skills related to minimize the total inventory costs. They will be able to apply just-in-time control systems to maximise delivery options and meet end-user demands. We also focus on integrating key warehousing and inventory skills with supply chain design and optimisation in the chain. Both pull and push concepts and their impact on the choice of inventory management will be discussed. Students will explore topics such as traditional inventory management, re-order levels, and economic order quantities approaches. Students will not only acquire key knowledge of warehousing and industry; they will also learn how to design supply chains and solve complicated problems and to determine which software will best assist a manufacturer to keep control of multiple stock items across the business.
The application of HRM analytics to identify emerging workforce trends, management, and managing diversity, inclusion and well-being. The focus is on the strategic management of international organizations, with a particular emphasis on understanding the global business context and formulating and implementing strategy. The course will critically examine the global business context to formulate and implement strategy for international organizations, including entering strategy, joint ventures, and international alliances. In addition, students will gain an understanding of the international context of global management and evaluate and apply international human resource management theory (e.g., expatriate management and international management). This course will introduce students to the activities of companies expanding into the Asia Pacific region and challenges them to deal with complexities of international management.

MGT8032 GLOBAL ISSUES IN EMPLOYMENT RELATIONS (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Industrial Relations) Band 3

This course provides students with the opportunity to explore contextual, organisational, and managerial issues associated with the management of people in the workplace. The course will critically examine the nature of employment relations, the legal and socio-economic pressures specific to different countries. Amongst the issues covered are several critical issues surrounding the management of work and people in the global workforce. The course adopts a critical perspective on a range of issues arising from employment relations and the broader socio-economic and political contexts within which these develop. The course considers, from an analytical and critical point of view, issues that relate to various concepts and theories such as human resource management, employee participation, trade unions and negotiation. Apart from the global emphasis, there are also specific international comparative perspectives woven into the course.

MGT8033 TEAM LEADERSHIP (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Organisation Management) Band 3

This course is designed to fulfill two purposes. It is first and foremost intended to equip students with a range of key concepts and practical skills. It considers competitive advantage and the role of individuals in creating sustainable performance that is optimally beneficial to all its stakeholders. The course covers common practices underlying the structure and design of the modern project. The course is structured to provide a broad overview of the market. The course is structured to provide a broad overview of financial and economic principles associated with property development, and is not designed to provide a high level of economic skills. The course does not require any prior study of economics, but does require students to develop basic spreadsheet skills in carrying out financial cash flow analyses.

MGT8034 STRATEGIC MANAGEMENT OF HUMAN RESOURCES AND INNOVATION (FBELA - PGRD)
Semester 3 (ONL)Toowoomba
Units 1.0 (Human Resource Management) Band 3

This course is a core foundation unit in the MBA and consists of many high-level concepts. The material covers the planned approach to change and introduces students to the subject of organisation change. The course examines the nature of change in organisations and the role that individuals and groups play in managing change. The course includes an examination of the nature of change, the role of leadership and management, organisational culture and strategic change. Leadership principles in practice. Other issues covered in the course include the role of the project manager as leader of project teams and related to the role of the project manager in a leadership role. The course provides students with the opportunity to explore contextual, organisational, and managerial issues associated with the management of people in the workplace. The course will critically examine the nature of employment relations, the legal and socio-economic pressures specific to different countries. Amongst the issues covered are several critical issues surrounding the management of work and people in the global workforce. The course adopts a critical perspective on a range of issues arising from employment relations and the broader socio-economic and political contexts within which these develop. The course considers, from an analytical and critical point of view, issues that relate to various concepts and theories such as human resource management, employee participation, trade unions and negotiation. Apart from the global emphasis, there are also specific international comparative perspectives woven into the course.

MGT8037 PROPERTY DEVELOPMENT (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Project Management) Band 3

This course examines the underlying principles of land use and development processes. The course introduces students to the concept of property development in a range of sectors including commercial, residential, industrial, and government, as well as the broad range of stakeholders involved. The course covers land and property development processes including the role of developers, financiers, architects, and other professionals involved in the process. The course will also consider the role of the project manager in a leadership role.
contains two mandatory residential schools in association with undertaking a midwifery placement. This course of the newborn, infant feeding, and provide a foundation prior to and production to content associated with the neonate such as examination period, with a significant focus on normal physiological labour and antenatal screening and diagnostic skills. Students will also delve into skills in providing midwifery education for the women and family. Finally, this course will introduce students to the concepts of reflective practice and life-long learning.

This course aims to provide the student with the knowledge and skills to be able to identify and explore Aboriginal and Torres Strait Islander people, history, identity, health, wellbeing and culture. Students will be able to identify inequalities in the health status of individuals and their families. They will gain an understanding of the maternal care needs of Aboriginal and Torres Strait Islander women and their families and to ensure that midwifery care is culturally safe. They will learn about, and respect, customary laws. They will further develop their knowledge and skills to work with people from cultures other than their own. The principles of Primary Health Care will be included in the strategies for enabling and ensuring access to culturally safe, affordable and appropriate midwifery care. Inter-cultural interactions will be examined and strategies developed for positive relationships to be developed.

This clinical practice course enables students to develop beginning clinical midwifery skills and practices related to practical examination, monitoring of the unborn baby and breastfeeding. The course has a significant focus on the development of the skills for the student to monitor maternal wellbeing, monitoring and antenatal care, and providing for the birthing mother. Students will apply knowledge and critical thinking to assist women in relation to challenging situations that require intensive midwifery labour surveillance. This course will enable the student to develop skills in providing care for the woman who has a caesarean section. The student will apply knowledge and critical thinking to assist supporting women and babies during more challenging situations.

MID2499 MIDWIFERY PRACTICE 4 (FHESC - UGRD)
Semester 2 (EXT) Toowoomba
Units 1.0 (Midiwery) Band 4
Pre-requisite: MID2399 and MID2499

This course enables students to apply the concepts of holistic and critical thinking to assist in providing care for women in relation to challenging situations that require intensive midwifery labour surveillance. This course will enable the student to develop skills in providing care for the woman who has a caesarean section. The student will apply knowledge and critical thinking to assist supporting women and babies during more challenging situations.

MID2302 FAMILY HEALTH AND MENTAL WELLBEING IN MIDWIFERY PRACTICE (FHESC - UGRD)
Semester 2 (ONL) Toowoomba
Units 1.0 (Midiwery) Band 4
Pre-requisite: MID3101 and MID3102 and MID3199 and MID3299

This course aims to provide the student with knowledge and skills related to assessment and management of mental health problems. The course will enable the student to develop skills in providing care for women who have a mental health problem. Students will learn to work as part of a multi-disciplinary team and understand the importance of communication and the role of the midwife in providing care for women who have a mental health problem.
This course involves the complexities of international trade, production and value chains that are common in modern business. A core component of this course will be to enable students to understand the nuances of global business through value chain analysis. In parallel, an introduction to traditional finance concepts and the complexities of cultural, legal and political influence will assist students in their strategic marketing planning decisions.

MKT2015 CREATING MARKETING VALUE (FBELA - UGRD)
Semester 1 (ONL)Springfield (ONL)Toowoomba (ONL)Toowoomba Units 1.0 (Marketing) Band 3
Enrolment is not permitted in MKT2015 if MKT2002 and MKT2004 have been completed.

This course involves the complexities of international trade, production and value chains that are common in modern business. A core component of this course will be to enable students to understand the nuances of global business through value chain analysis. In parallel, an introduction to traditional finance concepts and the complexities of cultural, legal and political influence will assist students in their strategic marketing planning decisions.

MKT3007 MARKETING STRATEGY (FBELA - UGRD)
Semester 2 (ONL)Springfield (ONL)Toowoomba (ONL)Toowoomba Units 1.0 (Sales and Marketing not elsewhere) Band 3
Pre-requisite: MKT1001
An understanding of the research process is important in making marketing decisions because it enables the decision-maker to be critical of information received. This course takes a practical and applied approach to marketing research methods to enable students to conduct different research designs, explore the relationships between research questions and research designs, interpret data and turn new data into usable, relevant and meaningful marketing information that can be used to facilitate marketing decision making.

MKT3008 MARKETING PROJECT (FBELA - UGRD)
Semester 2 (ONL)Springfield (ONL)Toowoomba (ONL)Toowoomba Units 1.0 (Sales and Marketing not elsewhere) Band 3
Pre-requisite: MKT1001
This course seeks to explore at an advanced level the interaction between theory and practice as it relates to the discipline area of marketing. Students will work with clients to define business issues in real world marketing problems. Students will be required to develop a marketing plan to address specific organizational marketing strategy issues/problems.

MKT2014 GLOBAL MARKETING CHANNELS (FBELA - UGRD)
Semester 3 (ONL)Springfield (ONL)Toowoomba (ONL)Toowoomba Units 1.0 (Marketing) Band 3
Enrolment is not permitted in MKT2014 if MKT2002 and MKT2004 have been completed.

In this course we introduce the foundations of digital marketing and branding and the notion that consumers collectively comprise a new brand culture in a pheripheral environment. We explore the contradictory impact of the sharing environment, viral marketing, social media, and digital marketing, mobile commerce, and the use of mobile technology, gaming and digital marketing, brand communities and the various nuances of brand interaction. We will consider the role of marketing managers in creating value and yet be mindful of active consumers engaging in defiant or contradictory impact of the sharing environment, viral marketing, social media, and digital marketing, mobile commerce, and the use of mobile technology, gaming and digital marketing, brand communities and the various nuances of brand interaction. We will consider the role of marketing managers in creating value and yet be mindful of active consumers engaging in defiant or
MKT8001 BUYER BEHAVIOUR (FBE LA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Sales and Marketing not elsewhere) Band 3
This course will take an integrated approach to buyer behaviour in consumer and business contexts and behavioral concepts can be used to develop and evaluate marketing strategies. This course will begin with an overview and critique of the basic organizational and cognitive processes a buyer goes through in the formation of the process phases and factors that may impact each phase. At each stage the processes will be considered in terms of their relevance for the development and implementation of effective marketing strategies.

MKT8002 INTERNATIONAL MARKETING (FBE LA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Business Mgt not classified) Band 3
International marketing focuses on the opportunities and challenges of marketing new and existing products or services in the international marketplace. With the increasing complexity of conducting business in the global environment, international marketing managers are confronted with issues that can have a direct and urgent impact on the success of the organisation in the global marketplace. This course provides students with an appreciation of international marketing by examining the key issues facing companies that aim to conduct business in a global context. The course elaborates on content, relationship and conflict management. It examines some of the key tools of international marketing that include: international marketing strategies, virtual reality, 3D printing, gaming, IoT, cloud computing, beacons, automation such as hubspot, big data and analytics.

MKT8012 STRATEGIC MARKETING AND INNOVATION (FBE LA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Marketing) Band 3
This course takes a practical approach to analysing, planning and implementing marketing strategies. The aim is to encourage students to focus on the creative processes involved in applying the knowledge and concepts of marketing to the development and implementation of marketing strategy which capitalises on innovation. Students will learn to think and act like a marketer by developing marketing strategy using strategies and concepts of marketing management, marketing research and marketing mixes. This course forms the basis of building a successful and sustainable music career. Students are then mentored through an application of their learning in generating new and existing products or services in the international marketplace.

MSC8001 RESEARCH PROJECT I (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Units 2.0 (Information Technology not elsewhere) Band 2
Pre-requisite: Students must be enrolled in MSC8001
This course forms the final part of the research training component of the Master of Science program in the Faculty. From the foundation established in MSC8001, students will complete a selected project in Computer Science, Mathematics, Statistics or Science with the supervision of appropriate staff from the Faculty. The project will

MSC8002 RESEARCH PROJECT II (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Units 2.0 (Information Technology not elsewhere) Band 2
Pre-requisite: MSC8001
This course forms the final part of the research training component of the Master of Science program in the Faculty. From the foundation established in MSC8001, students will complete a selected project in Computer Science, Mathematics, Statistics or Science with the supervision of appropriate staff from the Faculty. The project will

MSC8003 INDUSTRY BASED RESEARCH PRACTICE I (FHESC - PGRD)
Semester 1 (ONC)Toowoomba
Units 2.0 (Computer Science not elsewhere) Band 2
Pre-requisite: Students must be enrolled in MSC8003
This course forms the first part of the professional research component of the Master of Science program in the Faculty, being developed further in MSC8004. The industry engaged project allows students to learn through engagement with industry and community partners in an authentic activity that provides for integrating knowledge and skills. Students will develop a project in consultation with academic staff and engage in discussion with their supervisors throughout the course to develop innovative solutions that they can incorporate in their project work. Students are required to demonstrate evidence of the development of professional skills and knowledge to make connections between their experiences and the theoretical perspectives and research findings published in the literature. Students will compile evidence of achievement of the learning outcomes through the submission of a project report. Students are also required to submit a reflective journal that summarises their learning experience from the project work. The exact form of evidence submission will be guided by the supervisor and will depend on the type of activities the student undertakes with industrial engagement.

MSC8004 INDUSTRY BASED RESEARCH PRACTICE II (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Units 2.0 (Computer Science not elsewhere) Band 2
Pre-requisite: MSC8003
This course forms the second part of the professional research component of the Master of Science program in the Faculty, being developed further in MSC8005. The industry engaged project allows students to learn through engagement with industry and community partners in an authentic activity that provides for integrating knowledge and skills. Students will develop a project in consultation with academic staff and engage in discussion with their supervisors throughout the course to develop innovative solutions that they can incorporate in their project work. Students are required to demonstrate evidence of the development of professional skills and knowledge to make connections between their experiences and the theoretical perspectives and research findings published in the literature. Students will compile evidence of achievement of the learning outcomes through the submission of a project report. Students are also required to submit a reflective journal that summarises their learning experience from the project work. The exact form of evidence submission will be guided by the supervisor and will depend on the type of activities the student undertakes in the professional research component of the Master of Science program in the Faculty, being developed further in MSC8005.

MUI1000 MAKING MUSIC 2: CREATING MELODY AND HARMONY (FBE LA - UGRD)
Semester 1 (ONC)Toowoomba
Units 2.0 (Music) Band 2
Pre-requisite: MUI1007
This course provides practical instruction in the use of the vocabulary and language of music to create musical artefacts. It further develops fundamental knowledge, understanding and aural acuity of pitch, melody and rhythm. Succeeding Making Music courses further develop these.

MUI1001 COLLABORATIVE MUSIC PRACTICE 1 (FBE LA - UGRD)
Semester 1 (ONC)Toowoomba
Units 1.0 (Music) Band 1
The course is team taught by staff who possess expertise in a wide range of musical skills, so that students are exposed to different genres, instrumental sonorities and performance situations in real time or via the StudioDesk. Students will undertake musical cross training within a group dynamic. Students will also gain an understanding and application of technique specific to their solo instrument as it relates to performing in a contemporary ensemble, or where appropriate, performing as a lead instrument.

MUI1002 COLLABORATIVE MUSIC PRACTICE 2 (FBE LA - UGRD)
Semester 2 (ONC)Sprinfg (ONC)Toowoomba
Units 1.0 (Music) Band 2
The course is team taught by staff who possess expertise in a wide range of musical skills, so that students are exposed to different genres, instrumental sonorities and performance situations in real time or via the StudioDesk. Students will undertake musical cross training within a group dynamic. Students will also gain an understanding and application of technique specific to their solo instrument as it relates to performing in a contemporary ensemble, or where appropriate, performing as a lead instrument.
This course provides practical instruction in the use of the vocabulary and language of music to create musical artefacts. It further develops knowledge, understanding and aural acuity of pitch, melody and rhythm by applying these skills to composition and improvisation.

MUI2006 COLLABORATIVE MUSIC PRACTICE 6
(FBEA - UGRD)
Semester 2 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MUI2005
This course further develops the skills acquired through completion of MUS2045 by requiring students to work both independently and collaboratively on a project. Students work independently and lead projects or participate in projects as a team member, and to work collaboratively with each other. Online students will continue with their ensemble activities from MUS2045 or propose a new ensemble activity.

MUI3010 MAKING MUSIC 5: IMPROVISING
(FBEA - UGRD)
Semester 1 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MUI2008
This course provides further practical instruction in the use of the vocabulary and language of contemporary music to create improvised musical artefacts. It further develops knowledge, understanding and aural acuity of pitch, melody and rhythm by applying these skills to improvisation.

MUI3011 MAKING MUSIC 6: CONTEMPORARY ARRANGING AND PRODUCTION
(FBEA - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MUI2008
With a focus on key musical works and trends from throughout the twentieth century, this course will provide an overview of the musical development of aesthetics, and the social and cultural contexts of contemporary Western popular music. Australian popular music will receive particular focus.

MUI2019 GUIDED STUDIO PRACTICE 2
(FBEA - UGRD)
Semester 2 (ONC)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MUI2018
Students continue to develop a framework for productive, meaningful and relevant independent practice. Through classes, lessons and online activities, students are guided to work independently to establish and achieve their musical and technical goals.

MUI2020 GUIDED STUDIO PRACTICE 1
(FBEA - UGRD)
Semester 1 (ONC)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MUI2018
Students develop a framework for productive, meaningful and relevant independent practice. Through classes, lessons and online activities, students are guided to work independently to establish and achieve their musical and technical goals.

MUI3005 COLLABORATIVE MUSIC PRACTICE 5
(FBEA - UGRD)
Semester 1 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MUI2014
This course builds on the skills acquired through completion of MUS2004 by requiring students to work both independently and collaboratively on a project. On-campus students will contribute to a project co-ordinated by staff. These students learn to not only self-initiate but take direction from project co-ordinators. Staff will act as project co-ordinators and musical directors. Online students will continue with their ensemble activities from MUI2014 or propose a new ensemble activity.

MUI3006 COLLABORATIVE MUSIC PRACTICE 6
(FBEA - UGRD)
Semester 2 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MUI2015
This course further develops the skills acquired through completion of MUS2005 by requiring students to work both independently and collaboratively on a project. Students work independently and lead projects or participate in projects as a team member, and to work collaboratively with each other. Online students will continue with their ensemble activities from MUS3005 or propose a new ensemble activity.

MUS3004 MUSICAL CONTEXTS 2: WESTERN POPULAR MUSIC
(FBEA - UGRD)
Semester 1 (ONC)Toowoomba
Units 1.0 (Music) Band 1
With a focus on key musical works and trends from throughout the twentieth century, this course will provide an overview of the musical development of aesthetics, and the social and cultural contexts of contemporary Western popular music. Australian popular music will receive particular focus.

MUS3010 MAKING MUSIC 5: IMPROVISING
(FBEA - UGRD)
Semester 1 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MUI2008
This course provides further practical instruction in the use of the vocabulary and language of contemporary music to create improvised musical artefacts. It further develops knowledge, understanding and aural acuity of pitch, melody and rhythm by applying these skills to improvisation.

MUS3011 MAKING MUSIC 6: CONTEMPORARY ARRANGING AND PRODUCTION
(FBEA - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MUI2008
With a focus on key musical works and trends from throughout the twentieth century, this course will provide an overview of the musical development of aesthetics, and the social and cultural contexts of contemporary Western popular music. Australian popular music will receive particular focus.

MUS3012 MUSICAL CONTEXTS 3: CRITICAL PERSPECTIVES
(FBEA - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Music) Band 1
This course is designed to introduce students to a range of critical perspectives through which to view music, and invites students to identify and critically examine the assumptions which underpin our understanding of the role of music in culture and society.

MUS3019 GUIDED STUDIO PRACTICE 4
(FBEA - UGRD)
Semester 2 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MUI3020
Students continue to develop a framework for productive, meaningful and relevant independent practice. Through classes, lessons and online activities, students are guided to work independently to establish and achieve their musical and technical goals.

MUS3020 GUIDED STUDIO PRACTICE 3
(FBEA - UGRD)
Semester 1 (ONC)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MUI3019
Students develop a framework for productive, meaningful and relevant independent practice. Through classes, lessons and online activities, students are guided to work independently to establish and achieve their musical and technical goals.

MUS8003 ADVANCED GUIDED STUDIO PRACTICE (MASTERS)
(FBEA - UGRD)
Semester 2 (ONL)Toowoomba (ONC)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MUI8003
This course focuses on understanding the basis for disease states that are most prevalent in the developed world and how they can be treated. Major topical areas include: the social, psychological, biophysical and environmental factors that influence health and illness, and how these factors interact with the biological processes of the body. Topics covered will include: diabetes, cardiovascular disease, cancer, osteoporosis, depression, obesity, and Alzheimer's disease. Students will also be introduced to current clinical practice and emerging areas of research in the field of clinical nutrition and dietetics.
NUR1202 PROFESSIONAL IDENTITY (FHESC - UGRD)
Semester 2 (ONC) (Speech) (ONC)Toowoomba (ONC)Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: Students must be enrolled in the following Program: BNSH.
In this course beginning undergraduate nursing students are introduced to fundamental elements influencing professional identity for students. Students reflect on personal skills and attributes to identify themselves within a developing professional identity. The professional nursing role will be explored within legal and ethical frameworks, professional relationships and boundaries with patients, families, and other health professionals, and positioned in a social model of health.

NUR1299 FOUNDATIONS OF NURSING PRACTICE (FHESC - UGRD)
Semester 1 (EXT)Toowoomba (EXT)Toowoomba
Semester 2 (ONC) (Speech) (EXT)Toowoomba (EXT)Toowoomba (ONC)Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: NUR110 and NUR1140
This is the first clinical placement experience in the Bachelor of Nursing aimed at developing fundamental and practical skills applicable to all settings and age groups. The Nursing and Midwifery Board of Australia standards for practice for the registered nurse are used as a framework to guide student learning in relation to person-centred care, patient safety, and the importance of respecting people as the experts in the experience of their lives and working within the interdisciplinary health team. This course contains a mandatory residential school for external students and mandatory on-campus laboratories or practical classes for on-campus students.

NUR2000 MEDICATION MANAGEMENT (FHESC - UGRD)
Semester 1 (ONC) (Speech) (ONC)Toowoomba (ONC)Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: NUR1299 and BIO1203 or Students must be enrolled in Program: BNSH.
The importance of the nurse’s role in the safe and proficient administration of medications will form the basis of the student learning journey. Nursing students will develop an understanding of the process and the clinical reasoning skills required to prepare and administer the correct medication to the correct patient at the correct time within a clinical environment. Nursing students will develop an understanding of the process and the clinical reasoning skills required to prepare and administer the correct medication to the correct patient at the correct time within a clinical environment. Nursing students will develop an understanding of the process and the clinical reasoning skills required to prepare and administer the correct medication to the correct patient at the correct time within a clinical environment. This is the first clinical placement experience in the Bachelor of Nursing aimed at developing fundamental and practical skills applicable to all settings and age groups. The Nursing and Midwifery Board of Australia standards for practice for the registered nurse are used as a framework to guide student learning in relation to person-centred care, patient safety, and the importance of respecting people as the experts in the experience of their lives and working within the interdisciplinary health team. This course contains a mandatory residential school for external students and mandatory on-campus laboratories or practical classes for on-campus students.

NUR2020 MENTAL HEALTH CARE ACROSS THE LIFESPAN (FHESC - UGRD)
Semester 1 (EXT)Toowoomba (EXT)Toowoomba
Semester 2 (ONC) (Speech) (EXT)Toowoomba (EXT)Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: NUR1200 and NUR1099 and NUR1140 and NUR1210 and Students must be enrolled in the Bachelor of Nursing at UQ.
In this course students acquire foundational knowledge regarding common nursing research methods, skill in conducting electronic searching and analysis, and evidence-based interventions including pharmacological and other therapeutic measures. In the clinical practice course NUR3099 Mental Health Care in Practice students will be provided opportunities for application of the theoretical knowledge presented in this course. This course contains a highly recommended residential school for external students and highly recommended on-campus laboratories or practical classes for on-campus students.

NUR2300 EVIDENCE BASED NURSING PRACTICE (FHESC - UGRD)
Semester 2 (ONC) (Speech) (ONC)Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: NUR1101 or NUR1010 or Students must be enrolled in Program: BNSH.
In this course students are introduced to the research process within empirical and naturalistic research paradigms to provide the foundation for understanding common research methods used in nursing and health care. Students acquire foundational knowledge regarding common research methods, skill in conducting electronic searching and analysis, and an introduction to the application of evidence-based practice in nursing and health care. A brief introduction to qualitative and quantitative research processes will facilitate critical appraisal of research findings and recommendations.

NUR2399 ACUTE CARE IN PRACTICE (FHESC - UGRD)
Semester 2 (ONC) (Speech) (ONC)Toowoomba
Units 3.0 (General Nursing) Band 4
Pre-requisite: NUR2303 and Students must be enrolled in Program: BNSH.
Nursing is a practice profession that integrates the theoretical knowledge and practice within a range of settings. For an undergraduate nursing student the ability to link theory to practice is integral. This version produced 1 Nov 2018. CRICOS: QLD 00244B, NSW 02225M | TEQSA: PRV12081 © University of Southern Queensland

This course is the second of three Acute Care Across the Lifespan courses. In Acute Care B students will focus on more complex as assessment, planning, management, and evaluation of patient care and patient care outcomes for persons experiencing more severe acute and episodic illness or injury. This includes acute peripartum, cardiovascular, respiratory, pain, and mental health care. Pathophysiology, pharmacology, reassessment and, and clinical reasoning are key concepts that are addressed in relation to these health concerns. This course contains a mandatory residential school for external students and mandatory on-campus laboratories or practical classes for on-campus students.
NUR2499 CLINICAL B: NURSING CARE IN CONTEXT (FHESC - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Nursing not classified) Band 4
Pre-requisite: NUR2100 or NUR2105
This course will provide students with opportunities to demonstrate the performance and responsibilities required for safe practice. NUR2499 allows the student to develop their professional interactions, therapeutic relationships, clinical and current inequalities in the health status of Aboriginal and Torres Strait Islander communities. Students will be guided in how to conduct a comprehensive, critical evaluation and review of a health policy utilising a Policy Analysis Framework. Using this analysis, students will then develop recommendations to improve the structure and application of the policy to health care outcomes.

NUR3030 ABORIGINAL AND TORRES STRAIT ISLANDER HEALTH (FHESC - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Community Nursing) Band 4
This course is the third of three transitional practice courses. Students are provided with opportunities to develop their professional interactions, therapeutic relationships and nursing care practices associated with caring for individuals, families and significant others. Students develop critical thinking, clinical decision making and professional judgment during the nursing process within an appropriate acute and or chronic care clinical setting. The aim is to develop skills in critical reflection in prior acute and critical care settings and to apply knowledge learnt from past or concurrent theoretical courses. Students will be required to be reflective about their clinical practice experiences for both their professional development and lifelong learning. In Transition to Professional Practice B students will complete an advanced practice project related to their area of practice that demonstrates their ability to Engage in Therapeutic Professional Practice:

NUR3599 MENTAL HEALTH CARE IN PRACTICE (FHESC - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Mental Health Nursing) Band 4
Pre-requisite: NUR1099 and NUR1140 and NUR1200 and NUR2000 and NUR2400 and NUR2800 and NUR3030 and Pre-requisite: NUR1099 and NUR1140 and NUR1200 and NUR2000 and NUR2400 and NUR2800 and NUR3030 and Pre-requisite: Students must be enrolled in Program: BNSG or BNUR and in final Semester students will develop their professional interactions, therapeutic relationships and nursing care practices associated with caring for individuals, families and significant others. Students develop critical thinking, clinical decision making and professional judgment during the nursing process within an appropriate acute and or chronic care clinical setting. The aim is to develop skills in critical reflection in prior acute and critical care settings and to apply knowledge learnt from past or concurrent theoretical courses. Students will be required to be reflective about their clinical practice experiences for both their professional development and lifelong learning journey:

NUR8060 HEALTH POLICY ANALYSIS AND REVIEW (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: NUR2000 & NUR2100 & NUR2199 & NUR2200 & NUR2400 & NUR2800 and Pre-requisite: NUR2000 & NUR2100 & NUR2199 & NUR2200 & NUR2400 & NUR2800 and Pre-requisite: Students must be enrolled in one of the following Programs: BHEH or MNS or MNSG or GCHH or GDHH or GCHH or GDHH and in final Semester students will develop their professional interactions, therapeutic relationships and nursing care practices associated with caring for individuals, families and significant others. Students develop critical thinking, clinical decision making and professional judgment during the nursing process within an appropriate acute and or chronic care clinical setting. The aim is to develop skills in critical reflection in prior acute and critical care settings and to apply knowledge learnt from past or concurrent theoretical courses. Students will be required to be reflective about their clinical practice experiences for both their professional development and lifelong learning journey:

NUR8340 THE LAW AND HEALTH CARE PRACTICE (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Nursing not classified) Band 4
Pre-requisite: Students must be enrolled in one of the following Programs: BHEH or MNS or MNSG or GCHH or GDHH or GCHH or GDHH and in final Semester students will develop their professional interactions, therapeutic relationships and nursing care practices associated with caring for individuals, families and significant others. Students develop critical thinking, clinical decision making and professional judgment during the nursing process within an appropriate acute and or chronic care clinical setting. The aim is to develop skills in critical reflection in prior acute and critical care settings and to apply knowledge learnt from past or concurrent theoretical courses. Students will be required to be reflective about their clinical practice experiences for both their professional development and lifelong learning journey:

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This course is based on a negotiated learning contract between students and the course leader. The learning contract requires that students draw on their previous learning and identify their current learning needs. This student, in consultation with the course leader, will agree upon learning objectives, available resources, learning processes and methods of evaluation.

OSP1101 OVERSEAS STUDY PROGRAM (REGOF - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Semester 3 (ONC)Toowoomba
Units 1.0 (Studies in Human Society) Band 1
Drawing upon frameworks from International Relations and the Social Sciences, the course provides basic information about, and analysis of, contemporary regional relationships, current affairs and societies in Asia and the Pacific; including Australia and New Zealand. Attention will be given to the personal and social skills that will facilitate better international cooperation and cross-cultural communication in Asia and the Pacific.

OSP1102 OVERSEAS STUDY PROGRAM (REGOF - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Units 2.0 (Studies in Human Society n.e.c.) Band 1
USQ students are encouraged to take part in an overseas study/exchange programme as part of their studies. This course allows students to receive credit (equivalent to the stated unit value) for courses taken in a pseudonym for anywhere in the world for which there is no specific equivalent course at USQ. Students wishing to enrol in this course should consult first with their Head of Department or Student Advisor.

OSP1103 OVERSEAS STUDY PROGRAM (REGOF - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Units 3.0 (Studies in Human Society n.e.c.) Band 1
USQ students are encouraged to take part in an overseas study/exchange programme as part of their studies. This course allows students to receive credit (equivalent to the stated unit value) for courses taken in a pseudonym for anywhere in the world for which there is no specific equivalent course at USQ. Students wishing to enrol in this course should consult first with their Head of Department or Student Advisor.

OSP1201 OVERSEAS STUDY PROGRAM (REGOF - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Units 1.0 (EngTech not classified) Band 2
USQ students are encouraged to take part in an overseas study/exchange programme as part of their studies. This course allows students to receive credit (equivalent to the stated unit value) for courses taken in a pseudonym for anywhere in the world for which there is no specific equivalent course at USQ. Students wishing to enrol in this course should consult first with their Head of Department or Student Advisor.

OSP1202 OVERSEAS STUDY PROGRAM (REGOF - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Units 2.0 (EngTech not classified) Band 2
USQ students are encouraged to take part in an overseas study/exchange programme as part of their studies. This course allows students to receive credit (equivalent to the stated unit value) for courses taken in a pseudonym for anywhere in the world for which there is no specific equivalent course at USQ. Students wishing to enrol in this course should consult first with their Head of Department or Student Advisor.

OSP1203 OVERSEAS STUDY PROGRAM (REGOF - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Units 3.0 (EngTech not classified) Band 2
USQ students are encouraged to take part in an overseas study/exchange programme as part of their studies. This course allows students to receive credit (equivalent to the stated unit value) for courses taken in a pseudonym for anywhere in the world for which there is no specific equivalent course at USQ. Students wishing to enrol in this course should consult first with their Head of Department or Student Advisor.

OSP1301 OVERSEAS STUDY PROGRAM (REGOF - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Units 1.0 (Law) Band 3
USQ students are encouraged to take part in an overseas study/exchange programme as part of their studies. This course allows students to receive credit (equivalent to the stated unit value) for courses taken in Law at an overseas university for which there is no specific equivalent course at USQ. Students wishing to enrol in this course should consult first with their Head of Department or Student Advisor.

OSP1302 OVERSEAS STUDY PROGRAM (REGOF - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Units 2.0 (Law) Band 3
USQ students are encouraged to take part in an overseas study/exchange programme as part of their studies. This course allows students to receive credit (equivalent to the stated unit value) for courses taken in Law at an overseas university for which there is no specific equivalent course at USQ. Students wishing to enrol in this course should consult first with their Head of Department or Student Advisor.

OSP1303 OVERSEAS STUDY PROGRAM (REGOF - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Units 3.0 (Law) Band 3
USQ students are encouraged to take part in an overseas study/exchange programme as part of their studies. This course allows students to receive credit (equivalent to the stated unit value) for courses taken in Law at an overseas university for which there is no specific equivalent course at USQ. Students wishing to enrol in this course should consult first with their Head of Department or Student Advisor.

OSP1401 OVERSEAS STUDY PROGRAM (REGOF - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Units 1.0 (Education Studies) Band 5
USQ students are encouraged to take part in an overseas study/exchange programme as part of their studies. This course allows students to receive credit (equivalent to the stated unit value) for courses taken in an overseas university for which there is no specific equivalent course at USQ. Students wishing to enrol in this course should consult first with their Head of Department or Student Advisor.

OSP1402 OVERSEAS STUDY PROGRAM (REGOF - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Units 2.0 (Education Studies) Band 5
USQ students are encouraged to take part in an overseas study/exchange programme as part of their studies. This course allows students to receive credit (equivalent to the stated unit value) for courses taken in an overseas university for which there is no specific equivalent course at USQ. Students wishing to enrol in this course should consult first with their Head of Department or Student Advisor.

OSP1403 OVERSEAS STUDY PROGRAM (REGOF - UGRD)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Units 3.0 (Education Studies) Band 5
USQ students are encouraged to take part in an overseas study/exchange programme as part of their studies. This course allows students to receive credit (equivalent to the stated unit value) for courses taken in an overseas university for which there is no specific equivalent course at USQ. Students wishing to enrol in this course should consult first with their Head of Department or Student Advisor.

PHY1101 ASTRONOMY 1 (FHESC - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Astronomy) Band 2
This astronomy course forms an introduction to planetary science, the study of planetary systems. Astronomy is processed as an basis to understand our origins and place in the universe. Some of the scientific ideas and technological tools used in astronomy are then discussed as a prelude to a review of our knowledge of the planets orbiting our Sun, and extraterrestrial objects orbiting other stars. Earth is recognised as a small terrestrial world among the many planets orbiting our star and others, and the history of our planetary system is traced from a cloud of gas and dust to the diversity of large and small worlds we observe today. The course includes discussions of the geology and atmospheres of the terrestrial planets, Jupiter/Neptune systems, and the interplanetary bodies of our solar system. Extraterrestrial planet studies are presented as an emerging research field transforming planetary science. Mt Kent Observatory is also made available to students enrolled in this course, to provide an opportunity for learning technical skills in observational astronomy. This course complements PHY1102 Astronomy 2, an introduction to the Sun, the stars and galaxies.

PHY1104 PHYSICS 1 (FHESC - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Physics) Band 2
Physics is about the fundamental laws governing our universe. Taken as a whole, physics can be considered as the behaviour and internal dynamics of the fundamental particles (space-time and mass-energy) in the presence of just four fundamental forces (gravitational, electromagnetic and strong and weak nuclear forces). Using physics, a small set of profound natural laws thus can be used to make sense of the complexities of the natural world, as well as the design and operation of our technology. Physics can be divided into different fields of study, with “classical physics” covering mechanics, acoustics, thermodynamics, electromagnetics and optics, and “modern physics” encompassing relativity and the quantum mechanics of light and matter. This course will focus on modern physics, as it is the set of physical and technological tools used in experimental science, engineering, and modern physics. In this course students are provided with a comprehensive introduction to key concepts in physics and mathematics, and obtain practice with relevant calculus-based problem solving and experiments.

PHY1107 ASTRONOMY 2 (FHESC - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Astronomy) Band 2
The astronomy course is about the Sun, the stars and galaxies, and includes cosmology, the study of the universe as a whole, and astrophysics, the study of life in the universe. The course begins with the Sun, our local typical star, and moves onto a survey of the stars of the right sky. The course then discusses how stars form, evolve, die and end up as stellar remnants. Our Milky Way galaxy is then introduced, as a prelude to a survey of other galaxies. Following this, the universe on the grandest scale is examined, from its origins in the Big Bang, to its future as an expanding, accelerating cosmos. Finally, we take a look at life on Earth, and how the intelligence could arise elsewhere. Access to Mt Kent Observatory is also part of this course, so that students can observe “deep sky” objects beyond our solar system. This course follows on from PHY1101 Astronomy 1 (which focuses on planetary science), but may be taken independently.
PHY1911 PHYSICS 2 (FHESC - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Physics) Band 2
Pre-requisite: PHY1014 and PHY1911
This course introduces the science, techniques and technology of observational astronomy and astrophysics. Topics include: astronomical observing, photography, spectroscopy, telescopes, optics, and data analysis. Additional topics develop technical skills through the use of assignments. Mt Kent Observatory is also made available via remote access to students enrolled in this course, to provide an opportunity for learning practical skills used in astronomical and space sciences.

PHY2204 ASTRONOMICAL TECHNOQUINES (FHESC - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Astronomy) Band 2
Pre-requisite: PHY1014 and PHY1911
This course introduces the science, techniques and technology of observational astronomy and astrophysics. Topics include: astronomical observing, photography, spectroscopy, telescopes, optics, and data analysis. Additional topics develop technical skills through the use of assignments. Mt Kent Observatory is also made available via remote access to students enrolled in this course, to provide an opportunity for learning practical skills used in astronomical and space sciences.

PHY2206 MEDICAL PHYSICS (FHESC - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Physics) Band 2
Pre-requisite: PHY1014 and PHY1911
This course is an intermediate treatment of optical physics, which builds and expands upon the material covered early in the course. Topics include: complex and three-dimensional representation of wave motion, advanced treatment of reflection and refraction, optical and component device analysis including treatment of aberrations, wave front analysis, electromagnetic field equation analysis, polarization and applications, field equation analysis of interference and diffraction, Fourier optics and coherence, and modern optical applications.

PHY2207 OPTICS (FHESC - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Physics) Band 2
Pre-requisite: PHY1014 and PHY1911
This course is an intermediate treatment of optical physics, which builds and expands upon the material covered early in the course. Topics include: complex and three-dimensional representation of wave motion, advanced treatment of reflection and refraction, optical and component device analysis including treatment of aberrations, wave front analysis, electromagnetic field equation analysis, polarization and applications, field equation analysis of interference and diffraction, Fourier optics and coherence, and modern optical applications.

PHY2208 PLANETARY AND EXOPLANETARY SCIENCE (FHESC - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Astronomy) Band 2
Pre-requisite: PHY1014 and PHY1911
This course introduces planetary science, the study of our planetary system and others. Topics covered in this course include: Physical Processes in the Solar System, The Terrestrial Planets, The Jovian Worlds, Minor Bodies of the Solar System, and The Formation of Planetary Systems. Additional topics develop scientific skills through the use of assignments. Mt Kent Observatory is also made available via remote access to students enrolled in this course, to provide an opportunity for learning practical skills used in astronomical and space sciences.

PHY3303 MODERN PHYSICS (FHESC - UGRD)
Semester 1 (EXT)Toowoomba
Units 1.0 (Physics) Band 2
Pre-requisite: PHY1014 and PHY1911
Modern physics covers the extraordinary developments in physics that have taken place over the last century or so (and which promise to continue, thanks to the search for a unified theory of everything and the discovery of an expanding universe). This course covers special and general relativity, the quantum description of light and matter, and quantum and statistical mechanics. Also covered are: topics in quantum information, quantum computing, and nuclear and particle physics, as well as some directions in which much contemporary physics research is focused. This course is highly recommended for anyone intending to enter a professional career in physics and is a requirement for the Bachelor of Engineering (Physics) and Bachelor of Science (Physics) degrees.

PHY3304 PHOTONICS (FHESC - UGRD)
Semester 2 (EXT)Toowoomba
Units 1.0 (Physics) Band 2
Pre-requisite: PHY1014 and PHY1911
This course will explore classical optical physics in depth, including topics such as wave-particle duality, coherence and entanglement, quantum mechanics, sources, electromagnetic waves, and the quantum nature of light. The course will also cover applications of photonics in areas such as quantum computing and quantum cryptography.

PHY8001 OBSERVATIONAL ASTRONOMY (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Units 2.0 (Astronomy) Band 2
Pre-requisite: PHY1014 and PHY1911
This course introduces the techniques and technology of astronomical observation. Topics include: the design and use of telescopes, image analysis, and the functional aspects of the modern astronomical observatory. Additional topics develop technical skills through the use of assignments.

PHY8002 PLANETARY SCIENCE (FHESC - PGRD)
Semester 1 (ONL)Toowoomba
Units 2.0 (Astronomy) Band 2
Pre-requisite: PHY1014 and PHY1911
This course introduces planetary science, the study of our planetary system and others. Topics covered in this course include: Physical Processes in the Solar System, The Terrestrial Planets, The Jovian Worlds, Minor Bodies of the Solar System, and The Formation of Planetary Systems. Additional topics develop scientific skills through the use of assignments.

PHY8003 GALACTIC ASTRONOMY AND COSMOLOGY (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Units 2.0 (Astronomy) Band 2
Pre-requisite: PHY1014 and PHY1911
This course introduces galactic and extragalactic astronomy, and cosmology. Topics covered in this course include: The Milky Way Galaxy, The Nature of Galaxies, Galactic Evolution, The Structure of the Universe, Active Galaxies, Cosmology, and The Early Universe. Additional topics develop scientific skills through the use of assignments.

PHY8004 STELLAR ASTRONOMY (FHESC - PGRD)
Semester 2 (ONL)Toowoomba
Units 2.0 (Astronomy) Band 2
Pre-requisite: PHY1014 and PHY1911
This course introduces stellar astronomy, the study of stars as objects and as components of galaxies. Topics covered in this course include: Binary Systems and Stellar Parameters, The Classification of Stellar Spectra, Stellar Atmospheres, The Interiors of Stars, The Sun, The Process of Star Formation, Post-Main-Sequence Stellar Evolution, Stellar Pulations, Supernovae, The Degenerate Remnants of Stars, Black Holes, and C/O Binary Star Systems. Additional topics develop scientific skills through the use of assignments.

PMC1104 PARAMEDIC SKILLS (FHESC - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Human Biology) Band 2
Pre-requisite: PHY1014 and PHY1911
This course will provide a solid skill set that is essential to the role of paramedics. Students will be able to use, assess, develop, and implement management regimes for common conditions encountered in paramedic practice. By integrating theoretical knowledge with practical skills, students will develop the skills necessary to assess, develop, and implement management regimes for common conditions encountered in paramedic practice. Paramedic Skills 2 will enable students to gain experience in the use of ambulance communication equipment.

PMC1303 PARAMEDIC PLACEMENT 1 (FHESC - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Paramedical Studies) Band 2
Pre-requisite: PMC1104
Students will further develop their knowledge and skill set through being introduced to common practical presentations of medical and traumatic conditions encountered in paramedic practice. Paramedic Skills 2 will enable students to gain experience in the use of ambulance communication equipment.

PMC2000 PHARMACOLOGY FOR PARAMEDICS (FHESC - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Pharmacology) Band 2
Pre-requisite: BIO1020 and BIO1200
Pharmacology for Paramedics will address basic principles of pharmacokinetics, pharmacodynamics, the structure and function of commonly used medicinal drugs, and the pharmacology of the major classes of medications that students and paramedics may encounter in pre-hospital emergency and in a hospital or community setting. Students will learn how variables such as age, size and co-morbidities affect the pharmacology of medications. This course will provide students with the principles and processes aligned with the safe administration of medications.
PMC2101 BEHAVIOURAL CONDITIONS AND EMERGENCIES (FHEC - UGRD)
Semester 1 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

This course is designed to offer students a comprehensive educational experience. The focus of this course is to consolidate knowledge within a practical framework to facilitate the evolution of the student to function competently as a beginning paramedic upon graduation. The emphasis of this course is on the practical application of conceptions, guidelines, procedures and protocols, while the theory covered in PMC2101 Behavioural Conditions and Emergencies and Paramedic Principles 1. This course progressively builds on the foundational skills learned in Paramedic Skills 1 and 2.

PMC2110 PARAMEDICINE PRINCIPLES 1 (FHEC - UGRD)
Semester 1 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

Cardiovascular and respiratory conditions are the most common medical emergencies managed by paramedics. Paramedic Principles 1 will focus on the epidemiology, pathophysiology, clinical manifestations and therapeutic management of patients with cardiovascular and respiratory conditions and emergencies by focusing on the epidemiology, pathophysiology and clinical manifestations of selected cardiovascular and respiratory diseases. This course will also develop the student’s ability to acquire and critically appraise evidence and apply findings to paramedic practice.

PMC2201 MULTI TRAUMA (FHEC - UGRD)
Semester 2 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

Trauma, multi-traumatic conditions and emergencies represent a significant component of paramedic practice. Therefore, this course will focus on the epidemiology, pathophysiology, clinical manifestations and therapeutic management of selected traumatic conditions and emergencies, environmental related conditions, and the significance of the multi-trauma incident in the prehospital environment. Content will also address environmental conditions including heat and cold exposure, smoking exposure, toxicology, drowning and bathtime related injuries. The course will result in significant mortality and morbidity if not recognised and managed appropriately in the pre-hospital environment.

PMC2202 PARAMEDICINE SKILLS 4 (FHEC - UGRD)
Semester 2 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

Pre-requisite: PMC2102 Co-requisite: PMC2203

This course is designed to offer students a comprehensive educational and skill development experience. A key emphasis of this course is to further expand communication skills to include communicating with people experiencing adverse conditions such as agitated. Paramedic Skills 4 also includes skill development in the area of musculoskeletal, gastrointestinal and neurological injuries and emergencies.

PMC2203 PARAMEDICINE PLACEMENT 2 (FHEC - UGRD)
Semester 2 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

Pre-requisite: PMC2103 and PMC2102 Co-requisite: PMC2202

The second practical placement of 163 hours provides the students with the opportunity to perform as a functional member of a paramedic team under the supervision of a qualified paramedic. The student should demonstrate increased knowledge and ability in the management of patients with cardiovascular and respiratory emergencies as well as general as emergencies of other parameters.

PMC2210 PARAMEDICINE SKILLS 5 (FHEC - UGRD)
Semester 3 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

Medical and surgical emergencies account for a significant portion of the cases attended to by paramedics. Therefore, Paramedic Principles 2 will examine neurocognitive conditions, endocrine, metabolic, renal and gastrointestinal conditions. Due to the broad nature of the content, this course will also enhance student’s clinical reasoning skills while focusing on their understanding and ability to perform through history taking and physical assessments.

PMC2300 ETHICS, LAW AND CULTURE FOR HEALTHCARE PROFESSIONALS (FHEC - UGRD)
Semester 1 (ONC)/speech
Units 1.0 (Health not elsewhere classified) Band 2

This course provides key principles and approaches to healthcare and professional practice. It should incorporate their increased knowledge and skills by contributing to the current literature. The course is aimed at developing students’ understanding of the ethical, legal and cultural issues in relation to health care professionals. This course will build on all the content addressed throughout this program and requires students to apply knowledge and principles to relevant health care situations. Although the principles of assessment, diagnosis and management remain the same, the applied framework can differ in relation to the patient, the environment and the context. This course also illustrates the significance of history on culture and health care and compares this historical perspective to contemporary practises.

PMC2301 EVIDENCE BASED PRACTICE FOR HEALTHCARE PROFESSIONALS (FHEC - UGRD)
Semester 1 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

Evidence Based Practice for Healthcare Professionals enables students to develop knowledge and understanding of the research and practice practitioners. This course provides students with the opportunity to examine data collection and data analyses, and appreciate the applicability of research to healthcare professions. Finally, this course enables students to evaluate and compare research findings to identify best practices.

PMC2302 PARAMEDICINE PRINCIPLES 2 (FHEC - UGRD)
Semester 2 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

Pre-requisite: PMC2203

The third practical placement of five weeks provides the students with the opportunity to perform as a functional member of a paramedic team under the supervision of a qualified paramedic. The student should demonstrate increased knowledge and skills by contributing to the current literature. The course is aimed at developing students’ understanding of the ethical, legal and cultural issues in relation to health care professionals. This course will build on all the content addressed throughout this program and requires students to apply knowledge and principles to relevant health care situations. Although the principles of assessment, diagnosis and management remain the same, the applied framework can differ in relation to the patient, the environment and the context. This course also illustrates the significance of history on culture and health care and compares this historical perspective to contemporary practises.

PMC2303 PARAMEDICINE PLACEMENT 3 (FHEC - UGRD)
Semester 2 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

Pre-requisite: PMC2203

This course recognises key principles and approaches to healthcare and professional practice. It should incorporate their increased knowledge and skills by contributing to the current literature. The course is aimed at developing students’ understanding of the ethical, legal and cultural issues in relation to health care professionals. This course will build on all the content addressed throughout this program and requires students to apply knowledge and principles to relevant health care situations. Although the principles of assessment, diagnosis and management remain the same, the applied framework can differ in relation to the patient, the environment and the context. This course also illustrates the significance of history on culture and health care and compares this historical perspective to contemporary practises.

PMC2304 APPLIED PARAMEDICINE 1 (FHEC - UGRD)
Semester 2 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

Pre-requisite: PMC2303

This course will build on all the content addressed throughout this program and requires students to apply knowledge and principles to relevant health care situations. Although the principles of assessment, diagnosis and management remain the same, the applied framework can differ in relation to the patient, the environment and the context. This course also illustrates the significance of history on culture and health care and compares this historical perspective to contemporary practises.

PMC2305 APPLIED PARAMEDICINE 2 (FHEC - UGRD)
Semester 2 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

Pre-requisite: PMC2304 Co-requisite: PMC2305

Applied Paramedicine 2 is a capstone course that addresses content that enables students to operate as a graduate paramedic. This capstone course provides the opportunity for all previously acquired skills, knowledge and attributes to be refined to prepare graduates for practice within the industry. In particular, the content will address clinical decision making, critical thinking, reflective practice and review the overall competencies required to practice as a paramedic.

POL1000 GOVERNMENT, BUSINESS AND SOCIETY (FBELA - UGRD)
Semester 1 (ONC)/speech
Units 1.0 (Political Science) Band 1

POL1000 examines the relationships between government, business and society, and in particular, the political, political and political role of business. Many aspects of business behaviour are politically controversial, including environmental damage, treatment of staff and consumers, and business actions towards their employees. Although, in POL1000, we address three major questions: (i) What impact does business have on society and government? (ii) How do government and society deal with those impacts? (iii) How does business respond to the criticism it faces, and attempts by governments, unions and communities to control it? In the process we look at all the issues of accountability and ethical behaviour. Students are expected to develop some important intellectual skills, including the ability to do research, read and understand books about politics, and to subject political argument to critical scrutiny. Students completing POL1000 should have a stronger understanding of the conflicting attitudes that both society and government have to business. POL1000 does not assume prior knowledge of politics or business.

POL2000 POLITICAL AND ECONOMIC IDEAS (FBELA - UGRD)
Semester 1 (ONC)/speech
Units 1.0 (Political Science) Band 1

POL2000 (Political and Economic Ideas) introduces the student to liberalism and its critics, as a way to understand the modern world. It takes an historical approach, starting with the liberal revolution in politics in the eighteenth and nineteenth centuries, and Adam Smith’s economic theory. The course then looks at challenges to classical liberalism, before investigating the debates over capitalism and its problems in the twentieth century. We finish by looking at state-directed models of economic management and the neo-liberal critique of them. The course is aimed at developing students’ understanding of key political economic theories, and the problems they were attempting to address. Students require no prior knowledge of economics, politics or history in order to understand the economic and political debates of today, however students are advised not to attempt this subject in their first year of university study.
This course introduces students preparing to enter professional contexts. Communication understanding and analysing the practices that shape the structure of communication in organisations. Students will also develop a range of practical and conceptual skills for the strategic management of organisational communication including the area of strategic communication and crisis management. This course will also examine the ways in which communicative processes can be used to facilitate strategic planning and policy development for organisations.

This course is designed to provide students with an overall perspective on the nature of public relations including development of skills and knowledge of public relations campaigns. Topics covered within this foundation public relations course include: definitions of public relations and other key terms and concepts; the identification of internal and external publics; descriptions of core public relations processes; and the tools of public relations. The student will also be introduced to the role of communication in shaping organisational engagement, leadership and decision-making. Upon successful completion of the course students should be well positioned to continue with the public relations major with a sound foundation in the academic and discipline (or industry) skills required.

This course examines social media from the practitioners’ perspective and the growing influence all platforms within this medium has on corporate communications. The course teaches an introductory overview of social theory and contemporary applications. The focus is on an individual and organisational perspective with an emphasis on best practice strategies that are based on evidence-based literature and research.

This course assumes the management perspective that when organisations organise public relations campaigns. Topics covered in this course include: definitions of public relations and other key terms and concepts; the identification of internal and external publics; descriptions of core public relations processes; and the tools of public relations. The student will also be introduced to the role of communication in shaping organisational engagement, leadership and decision-making. Upon successful completion of the course students should be well positioned to continue with the public relations major with a sound foundation in the academic and discipline (or industry) skills required.

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With respect to professional skills development, this course focuses on cross-cultural and specifically Indigenous Australian psychology, exploring both areas that are common to all humans and those that differ across people from various geographic regions, with different racial and ethnic identities, and from various other cultural groups. As cross-cultural research is increasing rapidly, and as one of the skills of the practice of psychology, the course will cover the various findings to date and explore how cultural factors influence our understanding of human emotion and behaviour, specifically including cognition, social functioning and development, personality and perception. In this course, non-psychology students, will develop their personal and professional understanding and awareness of cultural variables in order to help prepare them for further training and development. A variety of teaching and learning methods are employed, including a number of practical and interactive exercises to help students apply new knowledge and practice skills.

PSY1010 INTERPERSONAL SKILLS (FHEC - UGRD)
Semester 1 (ONC)pswsp (ONL)Toowoomba Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: BPSH or BSCI (13815 Psychology) or BSCI (17582 Psychology Extended) or BSCI (13815 Psychology Extended)

Good communication skills are attributes that USQ affirms its graduates should have acquired upon completion of their degree. Further, the Australian Psychology Accreditation Council requires that all psychology undergraduate students demonstrate critical and creative thinking skills upon graduation. This course is aimed directly at fostering those skills. This is done by examining the topic from a range of perspectives. The techniques of critical thinking and problem solving are explicitly taught. In addition, the issue of bias and other types of cognitive limitations that produce erroneous solutions are also examined.

PSY1020 FOUNDATION PSYCHOLOGY B (FHEC - UGRD)
Semester 2 (ONC)pswsp (ONL)Toowoomba Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in the following Program: BPSH

This course deals with the fundamental issues of research and professional skills. With respect to psychological research skills we start by introducing the language of research by introducing the basic graphical regions, with different racial and ethnic identities, and from various other cultural groups. This course is aimed directly at fostering those skills. This is done by examining the topic from a range of perspectives. The techniques of critical thinking and problem solving are explicitly taught. In addition, the issue of bias and other types of cognitive limitations that produce erroneous solutions are also examined. These constituent processes are then combined in an interactive context.

PSY1040 PSYCHOLOGICAL SKILLS A (FHEC - UGRD)
Semester 1 (ONC)pswsp
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in the following Program: BPSH

This course deals with the fundamentals of issues of research and professional skills. With respect to psychological research skills we start by introducing the language of research by introducing the basic graphical regions, with different racial and ethnic identities, and from various other cultural groups. This course is aimed directly at fostering those skills. This is done by examining the topic from a range of perspectives. The techniques of critical thinking and problem solving are explicitly taught. In addition, the issue of bias and other types of cognitive limitations that produce erroneous solutions are also examined. These constituent processes are then combined in an interactive context.

PSY1055 HUMAN INFORMATION PROCESSING (FHEC - UGRD)
Semester 2 (ONC)pswsp (ONL)Toowoomba Units 1.0 (Psychology) Band 1
Pre-requisites: PSY1020 and (PSY2100 or ST13200)

The course begins with an introduction to human perceptual processes and, in a revision of sensation and perception (initially covered in Foundation Psychology B). The course builds upon this material by examining perceptual processes in a functional manner. The perception topics mainly involve vision, with minor mention of the other senses, and include: sensory processes, sensory thresholds, role of depth cues, and spatial and temporal mechanisms. A strong emphasis on theoretical evidence. Following the introduction of sensory information, theories of attention, perception and attentional theories are discussed. The course then turns to an examination of human memory with an applied focus, covering topics such as short term memory, long term memory, and encoding and retrieval. The course concludes with an examination of current theories of memory. The course will also be concerned with the application of psychological knowledge to a variety of issues in psychology, including the effects of memory and age, and includes the role of memory and current theories of memory can be best understood, along with evidence for and against such theories. Following memory, the final part of the course concerns areas surrounding memory and retrieval. The course concludes with an examination of the effects of memory and age, and includes the role of memory in the application of psychological knowledge to a variety of issues in psychology, including the effects of memory and age, and includes the role of memory and current theories of memory can be best understood, along with evidence for and against such theories. Following memory, the final part of the course concerns areas surrounding memory and retrieval. The course concludes with an examination.
PSY3030 ABNORMAL PSYCHOLOGY (FHEC - UGRD)
Semester 3 (ONC)/Onshape (ONC)/Toowoomba (ONL)/Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY2020
This course focuses on abnormal psychology, introducing students to the understanding of mental health and disorders. It covers the principles and theories of abnormal psychology, including the causes, symptoms, and treatments of various disorders.

PSY3050 COUNSELLING PSYCHOLOGY (FHEC - UGRD)
Semester 2 (ONC)/Onshape (ONC)/Toowoomba (ONL)/Toowoomba
Units 1.0 (Counselling) Band 1
Pre-requisite: PSY2020
This course focuses on the skills and techniques used in counselling psychology, including the development of a professional counselling relationship, ethical considerations, and various assessment and intervention strategies.

PSY3060 LEARNING AND BEHAVIOUR CHANGE (FHEC - UGRD)
Semester 1 (ONC)/Onshape (ONC)/Toowoomba (ONL)/Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY1020
This course focuses on the principles of learning and behaviour change, covering topics such as classical and operant conditioning, operant conditioning, operant conditioning, and response-dependent learning. It also includes an introduction to the psychology of learning and behaviour change.

PSY3080 CAREER ASSESSMENT AND DEVELOPMENT (FHEC - UGRD)
Semester 3 (ONC)/Toowoomba (ONL)/Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY2020
This course focuses on the assessment of career interests and the application of psychological theories to the process of career decision-making. It covers a range of assessment tools and techniques, as well as the development of career plans.

PSY3090 PSYCHOLOGICAL SKILLS E (FHEC - UGRD)
Semester 1 (ONC)/Onshape (ONC)/Toowoomba (ONL)/Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY1020
This course focuses on developing students' psychological skills, including communication, problem-solving, and critical thinking. It covers the development of these skills in various contexts and environments.

PSY3100 PSYCHOLOGICAL SKILLS F (FHEC - UGRD)
Semester 2 (ONC)/Onshape (ONC)/Toowoomba (ONL)/Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY1020 and Students must be enrolled in the Program BSCH
This course focuses on the application of psychological skills in various professional settings, including the development of interpersonal skills, communication, and ethical decision-making.

PSY3110 CLINICAL HEALTH PSYCHOLOGY (FHEC - UGRD)
Semester 2 (ONC)/Onshape (ONC)/Toowoomba (ONL)/Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY3000
This course focuses on the application of psychological principles to the field of health and illness, including the assessment and treatment of psychological disorders in a clinical setting.

PSY3111 RESEARCH METHODS IN PSYCHOLOGY B (FHEC - UGRD)
Semester 2 (ONC)/Onshape (ONC)/Toowoomba (ONL)/Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY1020
This course focuses on the application of research methods in psychology, including the design and conduct of research projects, as well as the analysis and interpretation of research data.

PSY3120 HISTORY AND SYSTEMS OF PSYCHOLOGY (FHEC - UGRD)
Semester 3 (ONC)/Onshape (ONC)/Toowoomba (ONL)/Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY1020 and PSY1000
This course focuses on the historical development of psychological theories and approaches, including the contributions of key figures in the field.

PSY3125 SPORT AND EXERCISE PSYCHOLOGY (FHEC - UGRD)
Semester 2 (ONL)/Toowoomba (ONL)/Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY1020 and PSY1000
This course focuses on the psychological principles and techniques used in the field of sport and exercise psychology.

PSY3400 NEUROPSYCHOLOGY (FHEC - UGRD)
Semester 3 (ONL)/Toowoomba (ONL)/Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY1020
This course focuses on the study of the brain-behaviour relationship, including the role of the brain in various aspects of psychological functioning.

PSY3500 PERSONALITY THEORY (FHEC - UGRD)
Semester 3 (ONC)/Toowoomba (ONL)/Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY2020
This course focuses on the study of personality and its development, including the theories of personality and their application to clinical practice.

PSY3600 INDUSTRIAL AND ORGANISATIONAL PSYCHOLOGY (FHEC - UGRD)
Semester 1 (ONC)/Toowoomba (ONL)/Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY2020
This course focuses on the application of psychological principles to the workplace, including the study of workplace behaviour and job performance.

PSY4001 PSYCHOLOGY HONOURS PROJECT 1 (FHEC - UGRD)
Semester 1 (ONC)/Onshape (ONC)/Toowoomba (ONL)/Toowoomba
Units 1.5 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following programs: BSCH in Psychology major (13200) or BPSH. BPSh students, completion of the first 3 years with a GPA of 5.0 across 12 psychology courses. Co-requisite: PSY4011
This course focuses on the development of an independent research project, including the design, conduct, and interpretation of research data.

PSY4002 PSYCHOLOGY HONOURS PROJECT 2 (FHEC - UGRD)
Semester 1 (ONC)/Onshape (ONC)/Toowoomba (ONL)/Toowoomba
Units 1.5 (Psychology) Band 1
Pre-requisite: PSY4001 and Students must be enrolled in one of the following programs: BSCH in Psychology major (13200) or BPSH. BPSh students, completion of the first 3 years with a GPA of 5.0 across 12 psychology courses.
This course focuses on the continuation of the research project, including the analysis and interpretation of research data.

PSY4020 ETHICAL AND PROFESSIONAL PRACTICE (FHEC - UGRD)
Semester 1 (ONC)/Onshape (ONC)/Toowoomba (ONL)/Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following programs: BSCH in Psychology major (13200) or BPSH. BPSh (Psychology Research). BPSh students must have completed the first 3 years with a GPA of 5.0 across 12 psychology courses.
This course focuses on the development of ethical and professional practice in psychology, including the application of ethical guidelines in a variety of clinical settings.
PSY4030 SKILLS AND ISSUES IN COGNITIVE STUDIES (FHESC - UGRD)

Semester 2 (ONC) [ONC] Toowoomba

Units 1.0 (Counselling) Band 1

Pre-requisite: Students must be enrolled in one of the following Programs: BSCH (Psychology major: 12302) or BPSH or MSCR (Psychology Research). BPSH students must have completed the first 3 years with a GPA of 5.0 across levels 1 to 3 psychology courses.

This course provides students with a thorough understanding of the counselling process. The focus of this course is the practice of counselling with reference to research related to the theory and practice of counseling as applied in diverse settings. This course is designed to provide a general, introductory experience into the related issues involved in the profession of counseling.

PSY4065 POSITIVE PSYCHOLOGY: THEORY AND APPLICATION (FHESC - UGRD)

Semester 2 (EXT) [EXT] Toowoomba

Units 1.0 (Psychology) Band 1

Pre-requisite: Students must be enrolled in one of the following Programs: BSCH (Psychology major: 12302) or BPSH or MSCR (Psychology Research). BPSH students must have completed the first 3 years with a GPA of 5.0 across levels 1 to 3 psychology courses.

This course is an introduction to the theory and application of positive psychology. The course will be delivered in a 10-module format, while the skills component is assessed in an online quiz. The theoretical component of the course will cover topics such as positive psychology, well-being, resilience, and positive interventions. The skills component will focus on developing skills in positive psychology interventions.

PSY4070 ADVANCED ASSESSMENT (FHESC - UGRD)

Semester 2 (ONC) [ONC] Toowoomba

Units 1.0 (Psychology) Band 1

Pre-requisite: Students must be enrolled in one of the following Programs: BSCH (Psychology major: 12302) or BPSH or MSCR (Psychology Research). BPSH students must have completed the first 3 years with a GPA of 5.0 across levels 1 to 3 psychology courses.

This course focuses on advanced assessment techniques, including the development of assessment protocols, the selection of assessment tools, and the interpretation of assessment data. The course is designed to provide students with the skills necessary to conduct comprehensive assessments in a variety of settings.

PSY4080 PSYCHOLOGY COMPLEMENTARY STUDIES A (FHESC - UGRD)

Semester 1 (ONC) [ONC] Toowoomba

Units 1.0 (Psychology) Band 1

This course provides the opportunity for a student to pursue an area of study that will complement the other studies in the student's program. Typically the course will consist of specialised investigations extending knowledge and skills in a certain area. The studies could involve, for example, directed readings, extension of the project (where appropriate), or some other approved activity which would complement the student's studies in the program.

PSY4090 PSYCHOLOGY COMPLEMENTARY STUDIES B (FHESC - UGRD)

Semester 2 (ONC) [ONC] Toowoomba

Units 1.0 (Psychology) Band 1

This course provides the opportunity for a student to pursue an area of study that will complement the other studies in the student's program. Typically the course will consist of specialised investigations extending knowledge and skills in a certain area. The studies could involve, for example, directed readings, extension of the project (where appropriate), or some other approved activity which would complement the student's studies in the program.

PSY4101 PSYCHOLOGY HONOURS PROJECT A (FHESC - UGRD)

Semester 1 (ONC) [ONC] Ipswich

Units 2.0 (Psychology) Band 1

Pre-requisite: Students must be enrolled in one of the following Programs: BSCH (Psychology major: 12302) or BPSH or MSCR (Psychology Research). BPSH students must have completed the first 3 years with a GPA of 5.0 across levels 1 to 3 psychology courses.

This is the first of two courses that contribute towards the Psychology Honours Project. The project will involve an individual piece of research in a selected area of psychology in which information concerning an approved topic is gathered, organised, analysed and discussed in a critical and evaluative manner. The project is based upon the study which requires advanced knowledge of research methodology and appropriate techniques for analysing data. In this first course, students are required to develop a study plan, an ethical application and research proposal, to prepare a final report at the end of the semester. This course contains mandatory intensive workshops.

PSY4102 PSYCHOLOGY HONOURS PROJECT B (FHESC - UGRD)

Semester 1 (ONC) [ONC] Ipswich

Units 2.0 (Psychology) Band 1

Pre-requisite: Students must be enrolled in one of the following Programs: BSCH (Psychology major: 12302) or BPSH or MSCR (Psychology Research). BPSH students must have completed the first 3 years with a GPA of 5.0 across levels 1 to 3 psychology courses.

This is the second of two courses that contribute towards the Psychology Honours Project. The overall project will involve an individual piece of research in a selected area of psychology in which information concerning an approved research topic is gathered, organised, analysed and discussed in a critical and evaluative manner. The research is based upon a study which requires advanced knowledge of research methodology and appropriate techniques for analysing data. In this second course, students will continue working on the research project that was approved in Psychology Honours Project 1; submit their final thesis; and submit a Human Ethics Research Final Report. This course contains a mandatory intensive workshops.

PSY4111 ADVANCED RESEARCH APPROACHES (FHESC - UGRD)

Semester 1 (ONC) [ONC] Ipswich

Units 1.0 (Psychology) Band 1

Pre-requisite: Students must be enrolled in one of the following Programs: BSCH (Psychology major: 12302) or BPSH or MSCR (Psychology Research). BPSH students must have completed the first 3 years with a GPA of 5.0 across levels 1 to 3 psychology courses.

This course focuses on advanced research approaches in psychology. The course will be delivered in a 10-module format, while the skills component is assessed in a series of online quizzes. The theoretical component of the course will cover topics such as qualitative and quantitative research, and the evidence base which is divided into three parts. The first part, Modules 1 and 2, concern the evolution and current status of drug classification systems, as well as information about the psychopharmacology of drug addiction. The second part, Modules 3 and 4, focuses on the evidence base which is divided into three parts. The first part, Modules 1 and 2, concern the evolution and current status of drug classification systems, as well as information about the psychopharmacology of drug addiction. The second part, Modules 3 and 4, focuses on the evidence base which is divided into three parts. The first part, Modules 1 and 2, concern the evolution and current status of drug classification systems, as well as information about the psychopharmacology of drug addiction. The second part, Modules 3 and 4, focuses on the evidence base which is divided into three parts. The first part, Modules 1 and 2, concern the evolution and current status of drug classification systems, as well as information about the psychopharmacology of drug addiction.
PSY5060 PRACTICE ACROSS THE LIFESPAN (FHESC - PGRD)
Semester 3 (ONC)
speech
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in the following Program: MPPS or be undertaking the course as professional development.
This course introduces the student to the process of practice across the lifespan from a biopsychosocial perspective. Each phase of development from infancy to old age must cope with different challenges through which professional psychology seeks to provide support. This requires an extensive knowledge of the physical and emotional development associated with each phase along with psychosocial and cultural factors. Students will learn the differences in physical and emotional development, social roles, cultural influences, and life crises.

PSY5230 PSYCHOLOGY PRACTICUM 2 (FHESC - PGRD)
Semester 2 (ONC)
speech
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in the following Program: MPPS.
The practicum course provides students with a structured situation in which to develop practical knowledge and skills within the psychology field. While the objectives are similar to Practicum 1, the level of independent practice and the application to specialist areas further challenges the student to broaden and diversify beyond their response abilities in the first placement.

PSY8010 ISSUES AND SKILLS IN PROFESSIONAL PRACTICE (FHESC - PGRD)
Semester 1 (ONC)
Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: MPCL.
This course focuses on discipline knowledge and professional and interpersonal competencies required of students in relation to super vision and research-based evaluation that is applied in their professional practice. Building on these, students will develop their professional knowledge and skills related to the areas of professional practice, including learning to develop a therapeutic alliance, and report writing. There is a focus on skill acquisition within the contexts of cultural competency and professional ethics. Learning opportunities include compulsory day-long workshops on-campus which integrate role-play with videotaped self-reflection and feedback, research and theoretical reviews, written as summations and web-based discussions.

PSY5130 PSYCHOLOGY PRACTICUM 1 (FHESC - PGRD)
Semester 1 (ONC)
speech
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in the following Program: MPPS.
The first practicum is designed to provide students with a structured situation in a practice setting in which appropriate psychological skills can be developed to high levels of competency. It provides an opportunity to examine applied problems from a theoretical perspective and to gain empirically supported interventions. Therefore it promotes a scientist-practitioner model of the professional psychologist. Students will be encouraged to approach applied problems and skill-based learning from a hypothesis-based assessment perspective. The emphasis is on skill development in a supervised and structured environment. Expert feedback on performance is seen as an essential feature of the learning process and strong emphasis is placed on skill development under adequate supervision.

PSY8020 ADVANCED RESEARCH TECHNIQUES (FHESC - PGRD)
Semester 1 (ONC)
Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY8010 or must be enrolled in one of the following Programs: MPPS or DPHD
Students will be introduced to a number of techniques. The course also reviews and builds upon relevant previous course material. Students will learn to think about research designs and research hypothesis in a more critical, intuitive and constructive way. These techniques are also applied to examples that students may face as a part of their professional career. The course is broken into 3 residential workshops - each one runs for 2 days. The material covered is assessed in 2 assignments of equal weight. The Examiner may choose to break either or both assessment pieces into multiple smaller assessment items, if they believe this will aid student learning. Final details of each assessment item will be discussed in the first workshop.

PSY5140 COMPREHENSIVE PSYCHOLOGICAL ASSESSMENT (FHESC - PGRD)
Semester 1 (ONC)
speech
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in the following Program: MPPS or be undertaking the course as professional development.
This course aims to provide students with a broad understanding of approaches to assessing individual behaviour in adults and children through the use of standardised tests. Students will develop expertise in the analysis, interpretation, and communication of psychological test data pertinent to clinical practice.

PSY8040 INDIVIDUAL ASSESSMENT (FHESC - PGRD)
Semester 1 (ONC)
Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: MPCL.
This course aims to provide students with a broad understanding of approaches to assessing individual behaviour in children through the use of standardised tests. Students will develop expertise in the analysis, interpretation, and communication of psychological test data pertinent to clinical practice.

PSY5145 INTERVENTION STRATEGIES (FHESC - PGRD)
Semester 1 (ONC)
speech
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in the following Program: MPPS or be undertaking the course as professional development.
This course focuses on discipline knowledge and professional and interpersonal competencies required of students in relation to supervision in both mental health-specific and more general settings. Students will examine the assumptions, values and socio/cultural/interpersonal skills that bring into their professional practice. Building on these, students will develop their professional knowledge and skills related to the areas of professional practice, including learning to develop a therapeutic alliance, and report writing. There is a focus on skill acquisition within the contexts of cultural competency and professional ethics. Learning opportunities include compulsory day-long workshops on-campus which integrate role-play with videotaped self-reflection and feedback, research and theoretical reviews, written as summations and web-based discussions.

PSY8045 CLINICAL INTERVENTION (FHESC - PGRD)
Semester 1 (ONC)
Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: MPCL.
This course addresses principles and practice of supportive cognitive behaviour therapy in relation to common psychological disorders such as anxiety, depression and stress. This material will be presented and role-played through practical skill development workshops. The skill level of individual students will be assessed using DVD sessions.

PSY8050 ADVANCED CLINICAL INTERVENTION (FHESC - PGRD)
Semester 2 (ONC)
Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY8045
This course will examine biopsychosocial factors associated with mortality and morbidity in the Australian culture. It will consider research and theory in relation to stress and psychopathology. A range of health attitudes, assessment methods and interventions will be reviewed, and students will use several of these methods in practice sessions. This course will be offered through three two-day compulsory workshops on-campus, each of two days duration.

PSY8065 ADULT PSYCHOPATHOLOGY (FHESC - PGRD)
Semester 2 (ONC)
Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY8010
This course aims to support a problem-solving approach to understanding of common psychological disorders, notably diagnosis but also aetiology, maintaining mechanisms, and broad frameworks of intervention.

PSY8071 CHILD AND ADOLESCENT PSYCHOPATHOLOGY (FHESC - PGRD)
Semester 2 (ONC)
Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisites: PSY8045 and PSY8010
This course will expand upon basic knowledge and theories of child development to explore the characteristics, epidemiology, causes, and treatments of psychopathology in children. The course will range from early developmental problems through middle and late childhood to disorders common during adolescence.

PSY8130 PRACTICUM 1 (FHESC - PGRD)
Semester 2 (ONC)
Toowoomba
Units 2.0 (Psychology) Band 1
Pre-requisite: PSY8010 and Students must be enrolled in one of the following Programs: DPLL or MPCL or MPH.
The first Practicum is designed to provide students with a structured situation in a clinical agency in which appropriate psychological skills can be developed to high levels of competency. It gives the student the opportunity to examine applied problems from a theoretical perspective and to then apply theoretically derived interventions. It provides an appreciation of professional practice as a part of a professional career. The course is broken into 3 residential workshops - each one runs for 2 days. The material covered is assessed in 2 assignments of equal weight. The Examiner may choose to break either or both assessment pieces into multiple smaller assessment items, if they believe this will aid student learning. Final details of each assessment item will be discussed in the first workshop.

PSY8140 PRACTICUM 2 (FHESC - PGRD)
Semester 2 (ONC)
Toowoomba
Units 2.0 (Psychology) Band 1
Pre-requisite: PSY8130 and Students must be enrolled in one of the following Programs: DPLL or MPCL or MPH.
This practicum course provides students with a structured situation in which to develop knowledge and skills within the psychology field. While the objectives are similar to Practicum 1, the level of independent practice and the application to specialist areas further challenges the student to broaden and diversify beyond their responsibilities in the first placement.

Consult the Handbook on the Web at http://www.usq.edu.au/handbook/current for any updates that may occur during the year.
Assessment of the student's evaluations and skill development in Publishing 1 and 2 will determine areas within which the student is capable of independent practice within a structured setting. Students who have not had the opportunity to train will be able to address some of their time to that area if an appropriate setting is available. However, the primary goal is to prepare the student for entry into the psychology profession.

PSY9152 CLINICAL PSYCHOLOGY PRACTICUM CASE STUDIES (FHEC - RSCH)
Semester 2 (ONC)Toowoomba
Semester 3 (ONC)Toowoomb
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY9140 and Students must be enrolled in the following Program: DPCl or MPHd or MPCI.

This course is a capstone course where students demonstrate scientific/Practitioner skills by submitting a folio of four selected case studies of clients they have treated in their practice. Within the folio students demonstrate their research by utilising qualitative and/or quantitative data to demonstrate clinical outcomes. Students are also expected to utilise this data to assist with the planning of treatment and also utilise this information to reflect on clinical processes.

PSY9160 CLINICAL PSYCHOLOGY MASTERS PROJECT A (FHEC - RSCH)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Semester 3 (ONC)Toowoomba
Units 2.0 (Psychology) Band 1
Pre-requisite: PSY9160

This is the second course that contributes towards the Psychology Masters/PhD Thesis. The student will prepare to undertake a supervised research project by completing a literature review and determining a methodology, and obtaining the required ethical approval for the project.

PSY9170 CLINICAL PSYCHOLOGY MASTERS PROJECT B (FHEC - RSCH)
Semester 1 (ONC)Toowoomba
Semester 2 (ONC)Toowoomba
Semester 3 (ONC)Toowoomba
Units 2.0 (Psychology) Band 1
Pre-requisite: PSY9170

This is the second course that contributes to the Psychology Doctoral Project. At completion of this course the student shall have submitted a 20 page document and presentation in line with candidates.

PUB1001 PUBLISHING AND CULTURE (FBELA - UGRD)
Semester 1 (ONC)Toowoomba
Units 1.0 (Communication and Media Studies) Band 1

PUB1001 is a discrete scholarly discipline focused on the culture, practice and business of book production, distribution, publication and reception. The focus is on the written word, as with English Literature and Creative Writing, but on all the social, cultural and economic practices that go on around books. Students in this course will explore topics as diverse as book history, writers' festivals and literary events, literary awards and grants, banned books, censorship, fan communities, new publishing technologies, self-publishing, and the role of class, race, gender or sexuality in publishing or book culture. A major component of the assessment for this course is the completion of a research project (essay) on a topic of the student's choosing.

PUB3001 EDITING AND PUBLISHING FOR WRITERS (FBELA - UGRD)
Semester 1 (ONC)Toowoomba
Units 1.0 (Communication and Media Studies) Band 1

This course covers knowledge and skills in publishing and editing. The course provides instruction on the stages and tasks of the publishing process. The editor's role is covered in detail, including proofreading, copy-editing and structural editing with a focus on effective writing. Publishing planning, design, production and marketing for both print and digital devices are also a major focus. Legal and ethical concerns are covered as well, including copyright and intellectual property.

PUB5001 INTRODUCTION TO EDITING AND PUBLISHING (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Communication and Media Studies) Band 1

This course develops knowledge and skills in publishing and editing, including a basic introduction to related historical, ethical and legal issues. The course provides instruction on the stages and tasks of the publishing process. The editor's role is covered in detail and includes proofreading, copyediting and structural editing with a focus on the tools, resources and procedures required for book, magazine or journal production. Publishing planning, design, production and marketing for both print and digital devices are also introduced. Legal and ethical concerns are discussed as well, including copyright, moral rights, plagiarism, defamation and permissions. Students will become familiar with the use of electronic communication and onscreen editting.

PUB5002 WRITING FOR EDITORS (FBELA - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Communication and Media Studies) Band 1

This course develops the skills editors and publishing professionals will need to write a range of materials during different stages of the publishing process, including manuscript assessments and reviewers' reports, author queries, briefs for publishing teams and publishing project planning documents and reports. Instruction will focus on the writing skills required by editors and publishers that contribute to effective communication and the development of professional role identities. Emphasis will be on the principles of good writing including grammar, consistency, punctuation, jargon, syntax and expression.

PUB5003 EDITING IN PRACTICE (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Communication and Media Studies) Band 1
Pre-requisite: PUB5002

This course provides instruction on all levels of editing including: proofreading, copyediting and substantive or structural editing. Students will develop skills to assess the suitability of language types for different audiences and contexts. Projects of management relevant to editing and publishing, such as written communication, scheduling, planning and budgeting, relating to both freelance and in-house editing practice will also be covered. An online discussion group provides a means of raising and debating issues, sharing resources and broadening awareness of current developments.

PUB5004 PROFESSIONAL PRACTICE IN EDITING AND PUBLISHING (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Communication and Media Studies) Band 1
Pre-requisite: PUB5003

This course introduces a range of professional knowledge and skills needed in the editing and publishing roles. It covers the course outline in personal communication skills such as effective verbal and written communication and negotiation, which are essential skills in interfacing ethical issues relating to editing and publishing. The course also explores legal issues in publishing media, covering copyright and defamation. The course also introduces the knowledge and skills required to participate effectively in the editing and publishing industry as both team members and leaders. Finally, the course covers the need for editing and publishing professionals to engage in critical reflection.

PUB5005 PUBLISHING AND PRODUCTION MANAGEMENT (FBELA - PGRD)
Semester 1 (ONC)Toowoomba
Units 1.0 (Communication and Media Studies) Band 1
Pre-requisite: PUB5005

This course provides the framework to assist you in understanding the processes involved in the production commissioning/acquisition, designing, producing and marketing/promoting books. The course aims to provide you with the knowledge and skills to prepare a publishng proposal, negotiate a contract/letter of agreement, cost the book to ensure that the project is financially viable, work with production personnel and liaise with relevant sales and marketing personnel in the development of appropriate marketing strategies to promote the book. The focus will be on the problem-solving and decision-making processes that occur at each of the editorial, design, production and marketing stages.

PUB5006 INTRODUCTION TO ELECTRONIC PUBLISHING (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Communication and Media Studies) Band 1
Pre-requisite: PUB5001 and PUB5003

This course is an introduction to electronic publishing and investigates the influential historical, technological, economic and social forces that have culminated in the 'digital revolution'. Students will explore possible futures for the industry, particularly in relation to new technologies and their influences on publishing processes. After examining the stages and processes involved in eBooks production, and performing editing and publishing tasks in digital and online environments, students will engage in a digital publishing project where they will work with a publisher or book industry organisation on a digital book project.

PUB6001 PUBLISHING PROJECT (FBELA - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Communication and Media Studies) Band 1
Pre-requisite: PUB5001

This course is the culmination of previous courses, especially PUB505, in which students gained knowledge and skills in editing and publishing books and journals. The course aims to provide an opportunity for the student to put into practise skills and knowledge acquired earlier in the program by working on a project to publish a book or magazine. The course enables students to demonstrate the necessary competencies to manage a publishing project through the acquisition, editorial, design, production and marketing phases.

PWE3000 PROFESSIONAL WORK EXPERIENCE (FBELA - UGRD)
Semester 2 (EXT)Toowoomba
Semester 3 (EXT)Toowoomba
Units 1.0 (Mixed Field Programmes not els) Band 3
Pre-requisite: Students must have successfully completed a minimum of 16 units in their program of study.

The purpose of this course is to give students the opportunity to experience the applied aspects of working in the area of their major interest. The course aims to provide the student with experience in applying discipline knowledge and skills in the context of professional practice in order to strengthen discipline specific and generic skills. The course allows students to gain a critical understanding of the role of reflection on learning and self-evaluation in professional environments.

REH201 ENVIRONMENTAL STUDIES (FHESC - UGRD)
Semester 1 (ONC)Springfield (ONL)Toowoomba
Semester 1 (ONC)Toowoomba
Units 1.0 (Environmental Studies not else) Band 2

The course provides a general introduction and overview of the emergence of environmental issues at the global scale. An interdisciplinary approach to the study of the environment is provided at a general level for students across the Bachelor of Environment (Honours) degree. Students will be introduced to a number of inter-related modules that cover the biophysical environment, environmental ethics, politics, economy and society, and human impacts on the natural environment. The course focuses on ecological principles for thinking about the environment, the links between society and the environment, and the natural exploitation and sustainability. Consideration is given to population growth, the balance of the environment, environmental economics and the role of community value systems. Issues examined from a global perspective include land utilization, mining and fishing, energy production and use, water pollution, atmospheric pollution, urban systems and waste management. Special attention is given to ways in which environmental problems are dealt with under the ecologically sustainable development framework.

REH220 ECOLOGY FOR SUSTAINABILITY (FHESC - UGRD)
Semester 1 (ONC)Toowoomba
Semester 1 (Environmental Studies not else) Band 2

Ecology and conservation are closely related scientific disciplines that explore the very nature of life in terms of the distribution and abundance of organisms and interactions between organisms and their environment (ecology), and the diversity, scarcity and conservation of species and ecosystems (conservation). This course provides a foundation in general ecological concepts and principles relevant to the sustainable management of the environment and an understanding of how ecological systems and processes have been impacted upon by human activities. The concept of biodiversity, mechanisms behind speciation and patterns in biodiversity, key threatened processes, and current issues in the conservation of biodiversity are discussed. The course also examines concepts of sustainability and sustainable processes in human history, including land transformation, habitat fragmentation, patch dynamics, conservation corridors and connectivity, implications for conservation and ecologcial sustainability.
RENS301 BIODIVERSITY AND CONSERVATION (FHEC - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Environmental Studies not else) Band 2
This course incorporates an interdisciplinary approach to the study of biodiversity and conservation, with a foundation in ecological theory and principles as a basis for the conservation and management of natural, production and disturbed systems. The concept of biodiversity as an ordered progression in biological complexity, from genes to ecosystems, is reviewed. The mechanisms behind the development of species, ecosystems and biodiversity are explored. The key threatening processes to biodiversity and conservation are examined, with a focus on Australian ecosystems whenever feasible, and the processes and theories regarding the extinction of species and plants are examined. The impact of human activities on the earth's biodiversity and current issues in the conservation of biodiversity is also examined, in both global and regional settings. The scientific basis of species and habitat conservation and current practices and problems are also explored.

RENS302 SUSTAINABLE RESOURCE USE (FHEC - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Environmental Studies not else) Band 2
The course is based on an examination of ecological principles as a basis for managing Australia's land and water resources sustainably. The effects of economic growth and traditional management approaches on agriculture, forestry, and fisheries are discussed. Current approaches to land and resource use planning and resource use are evaluated in terms of their contribution to sustainability. The principles for sustainable development are introduced and possible future management of resources and the environment are discussed.

RENS8101 ENVIRONMENT, SOCIETY AND SUSTAINABILITY (FHEC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Environmental Studies not else) Band 2
This course provides a general introduction and overview of the emergence of environmental issues at the global scale and covers such topics as the physical environment, biological diversity and human impact on the natural environment. Issues examined from a global perspective include food and fibre resources, water resources, energy production and use, mining, fisheries and forestry, pollution, climate change, urbanisation and waste management. The principles for sustainable development are introduced and possible future management of resources and the environment are discussed.

RENS8202 CONSERVATION FOR FUTURE SUSTAINABLE FUTURES (FHEC - PGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Environmental Studies not else) Band 2
Ecology and conservation are closely related scientific disciplines, that share similar biological interest, and are often in terms of the distribution and abundance of organisms and interactions between organisms and their environment. This unit provides a comprehensive survey of general ecological concepts and principles relevant to the sustainable management of the environment. An understanding of how ecological systems and processes have been impacted upon by human activities. The concept of biodiversity, mechanisms behind speciation and patterns in biodiversity, key threatening processes, and current issues in the conservation of biodiversity are examined. The course also examines concepts of pattern and processes in human-modified landscapes (in cluding land transformation, habitat fragmentation, patch dynamics, conservation corridors and connectivity), implications for conservation of and ecologically sustainable development.

RES9000 MASTER OF PHILOSOPHY STUDIES PART-TIME MATHS, ARTS, BUSINESS, EDUC OR NURSING (OFFRE - RSCH)
Semester 2 (ONC)Toowoomba (EXT)Toowoomba
Units 2.0 (Society and Culture not else) Band 1
This course is part of a supervised research project which provides opportunities for motivated and highly qualified students to undertake advanced study and to produce a research-based thesis. Students develop the appropriate research skills and specialist knowledge which will enhance their career prospects or allow them to undertake further studies. The emphasis of the program is on developing the appropriate knowledge and tools to undertake independent research and professional practice.

RES9001 MASTER OF PHILOSOPHY STUDIES PART-TIME BIOLOGY, ENGINEER, GY, PHYSICS OR PSYCHOLOGY (OFFRE - RSCH)
Semester 1 (EXT)Toowoomba (ONC)Toowoomba
Units 2.0 (EngTech not classified) Band 2
Part-time candidates undertaking research in Biology, Engineering, Physics or Psychology should enrol in this course for each semester of their candidature. This will normally be for a total of four semesters.

RES9002 MASTER OF PHILOSOPHY STUDIES FULL-TIME MATHS, ARTS, BUSINESS, EDUC OR NURSING (OFFRE - RSCH)
Semester 1 (EXT)Toowoomba (ONC)Toowoomba
Units 4.0 (Society and Culture not else) Band 1
Full-time candidates undertaking research in Mathematics, Arts, Business or Education should enrol in this course for each semester of their candidature. This will normally be for a total of two semesters.

RES9003 MASTER OF PHILOSOPHY STUDIES FULL-TIME BIOLOGY, ENGINEER, GY, PHYSICS OR PSYCHOLOGY (OFFRE - RSCH)
Semester 1 (ONC)Toowoomba (EXT)Toowoomba
Units 4.0 (EngTech not classified) Band 2
Full-time candidates undertaking research in Biology, Engineering, Physics or Psychology should enrol in this course for each semester of their candidature. This will normally be for a total of two semesters.

RES9500 DOCTORAL RESEARCH PROJECT B (NON-LAB) (OFFRE - RSCH)
Semester 1 (ONC)Toowoomba (EXT)Toowoomba
Units 2.0 (Mixed Field Programmes not else) Band 3
Pre-requisite: Student must be enrolled in one of the following Programs: DPHD or DOHH or DASC.
This course is part of a supervised research project which provides opportunities for motivated and highly qualified students to undertake advanced study and to produce a research-based thesis. Students develop the appropriate research skills and specialist knowledge which will enhance their career prospects or allow them to undertake further studies. The emphasis of the program is on developing the appropriate knowledge and skills to undertake independent research and professional practice.

RES9501 DOCTORAL RESEARCH PROJECT B (LAB) (OFFRE - RSCH)
Semester 2 (ONC)Toowoomba (EXT)Toowoomba
Units 2.0 (Mixed Field Programmes not else) Band 3
Pre-requisite: Student must be enrolled in one of the following Programs: DPHD or DOHH or DASC.
This course is part of a supervised research project which provides opportunities for motivated and highly qualified students to undertake advanced study and to produce a research-based thesis. Students develop the appropriate research skills and specialist knowledge which will enhance their career prospects or allow them to undertake further studies. The emphasis of the program is on developing the appropriate knowledge and skills to undertake independent research and professional practice.

RES9502 DOCTORAL RESEARCH PROJECT D (NON-LAB) (OFFRE - RSCH)
Semester 2 (ONC)Toowoomba (EXT)Toowoomba
Units 4.0 (Society and Culture not else) Band 1
Pre-requisite: Student must be enrolled in one of the following Programs: DPHD or DOHH or DASC.
This course is part of a supervised research project which provides opportunities for motivated and highly qualified students to undertake advanced study and to produce a research-based thesis. Students develop the appropriate research skills and specialist knowledge which will enhance their career prospects or allow them to undertake further studies. The emphasis of the program is on developing the appropriate knowledge and skills to undertake independent research and professional practice.

RES9503 DOCTORAL RESEARCH PROJECT D (LAB) (OFFRE - RSCH)
Semester 1 (ONC)Toowoomba (EXT)Toowoomba
Units 4.0 (Engineering and technology not else) Band 2
Pre-requisite: Student must be enrolled in one of the following Programs: MPHD or DPHD or DOHH or DASC.
This course is part of a supervised research project which provides opportunities for motivated and highly qualified students to undertake advanced study and to produce a research-based thesis. Students develop the appropriate research skills and specialist knowledge which will enhance their career prospects or allow them to undertake further studies. The emphasis of the program is on developing the appropriate knowledge and skills to undertake independent research and professional practice.

RES9505 PhD STUDIES ADMINISTRATION (OFFRE - RSCH)
Semester 1 (EXT)Toowoomba
Units 2.0 (Process and Resources Engineer) Band 2
Pre-requisite: Student must be enrolled in the following Program: DPHD.
This course is part of a supervised research project which provides opportunities for motivated and highly qualified students to undertake advanced study and to produce a research-based thesis. Students develop the appropriate research skills and specialist knowledge which will enhance their career prospects or allow them to undertake further studies. The emphasis of the program is on developing the appropriate knowledge and skills to undertake independent research and professional practice.

RES9506 DOCTORAL RESEARCH PROJECT A (NON-LAB) (OFFRE - RSCH)
Semester 2 (ONC)Toowoomba (EXT)Toowoomba
Units 2.0 (Mixed Field Programmes not else) Band 3
Pre-requisite: Student must be enrolled in one of the following Programs: DPHD.
This course is part of a supervised research project which provides opportunities for motivated and highly qualified students to undertake advanced study and to produce a research-based thesis. Students develop the appropriate research skills and specialist knowledge which will enhance their career prospects or allow them to undertake further studies. The emphasis of the program is on developing the appropriate knowledge and skills to undertake independent research and professional practice.

RES9507 DOCTORAL RESEARCH PROJECT A (LAB) (OFFRE - RSCH)
Semester 2 (ONC)Toowoomba (EXT)Toowoomba
Units 2.0 (Mixed Field Programmes not else) Band 3
Pre-requisite: Student must be enrolled in one of the following Programs: DPHD.
This course is part of a supervised research project which provides opportunities for motivated and highly qualified students to undertake advanced study and to produce a research-based thesis. Students develop the appropriate research skills and specialist knowledge which will enhance their career prospects or allow them to undertake further studies. The emphasis of the program is on developing the appropriate knowledge and skills to undertake independent research and professional practice.

RES9510 CONFIRMATION OF CANDIDATURE (NON-LAB) (OFFRE - RSCH)
Semester 2 (ONC)Toowoomba (EXT)Toowoomba
Units 2.0 (Mixed Field Programmes not else) Band 3
Pre-requisite: Student must be enrolled in the following Program: DPHD.
Candidates in Doctor of Philosophy (DPHD) will undertake studies on their research project in consultation with their Project Supervisors. The Research Proposal is developed as a part of the confirmation of candidacy in the DPHD program. Admission to the Doctor of Philosophy (DPHD) program is normally provisional until the student successfully completes the Confirmation of Candidature process. The following areas will normally be addressed in the Confirmation Proposal: 1. aims and objectives of the research; 2. review of the relevant literature; 3. proposed contribution to the field of re search; 4. details of the proposed research methods, including the use of data; 5. draft research ethics application, if appropriate; 6. bibliography and timelines; 7. resources required to complete the re search; and 8. an indication of the type of Thesis expected to be submitted. See Thesis by Publication, Thesis with Creative Works component.)
This course provides an introduction to research for students under taking postgraduate research studies who are working towards con firmation of candidacy. The focus of the course is to prepare stu dents to be capable of establishing their learning approaches and suitable supervision practice, the fundamentals of research and the practical steps to confirmation of candidacy. Students will learn about and engage with a number of research paradigms. Students will develop their skills in identifying research questions and designing a robust literature review. Research quality and ethics are emphasised throughout the course as students identify appropriate theoretical frameworks to underpin their research proposal.

SCI1001 SUCCEEDING IN SCIENCE (FHES - UGRD)

Semester 1 (ONL) (Toowoomba)
Pre-requisites: FHES1001

This course provides an introduction to the development of science and its role in human society. The approaches to science, distinguish ing real science from pseudoscience, key figures and their contribu tion, past and present debates, and some of the important ideas of science will be examined. The course will initiate the development of critical thinking skills, through the analysis and interpretation of ideas of science, and, in so doing will provide a basis for further studies in any science discipline. The course will also provide guidance into successful study strategies, ways of coping with stress and managing the demands of both life and study. Additionally, options for careers in science and the role of science in society will be explored.

SCI1901 SCIENCE Fundamentals (FHES - UGRD)

Semester 1 (ONL) (Toowoomba)
Pre-requisites: FHES1001

This course provides an introduction to science as a process of inquiry and to key areas of scientific disciplines. This course is designed for the development of political and cultural skills necessary for the development of critical thinking about science. The course examines energy forces, the shaping of the earth and the properties of its rocks and minerals, evolution of living things and their characteristics, and the functions of the human body, human impacts on ecosystems and the concept of sustainability. The course is aimed primarily at students with little prior knowledge of science, who seek increased knowledge and skills in science, to assist in professional accreditation and personal development.

SCI301 SCIENCE PROJECT A (FHES - UGRD)

Semester 1 (ONL) (Toowoomba)
Pre-requisites: FHES1001

This course provides students with an opportunity to carry out re search work in a situation that closely resembles, as closely as possible, that in which they may find themselves when they begin a career in science. Students are required to complete a review of the literature and plan a research project in consultation with an academic supervisor and submit a detailed report on completion of the project. A large proportion of the project will be laboratory or field oriented. Placement in this course depends on availability of a supervisor in the chosen area.

SCI302 INDUSTRY PLACEMENT (FHES - UGRD)

Semester 1 (ONL) (Toowoomba)
Pre-requisites: FHES1001

This course provides students with an opportunity to apply their specialised subject knowledge and graduate skills to a practical situ ation in order to prepare them to successfully work in their future professional environment. It allows students to improve their learning by the application of the concepts, theories and graduate skills developed in their major area of study to their workplace activities and within a team environment. It will encourage a reflective approach to the development of workplace skills that will be incorporated into the student's workplace skills and qualification. Students will learn how to work effectively with people from other disciplines in a workplace environment.

RSH8001 RESEARCH METHODS (FBELA - PGRD)

Semester 2 (ONL) (Toowoomba)
Pre-requisites: FHES1001

This course is an introduction to research methods in the arts and social sciences or humanities. They will consider quantitative and qualitative methods and analysis. Students will build on their specialised subject knowledge and academic skills to a practical sitution. The course is aimed primarily at students with little prior knowledge of science, who seek increased knowledge and skills in science, to assist in professional accreditation and personal development.

RSH8002 BUSINESS INNOVATION RESEARCH (FBELA - PGRD)

Semester 2 (ONL) (Toowoomba)
Pre-requisites: FHES1001

This course is an introduction to the development of business and its role in human society. The approaches to business, distinguish ing real science from pseudoscience, key figures and their contribu tion, past and present debates, and some of the important ideas of science will be examined. The course will initiate the development of critical thinking skills, through the analysis and interpretation of ideas of science, and, in so doing will provide a basis for further studies in any business discipline. The course will also provide guidance into successful study strategies, ways of coping with stress and managing the demands of both life and study. Additionally, options for careers in business and the role of business in society will be explored.

RSH9900 INTRODUCTION TO RESEARCH (FBELA - PGRD)

Semester 1 (ONL) (Toowoomba)
Pre-requisites: FHES1001

This course is an introduction to research methods in the arts and social sciences or humanities. They will consider quantitative and qualitative methods and analysis. Students will build on their specialised subject knowledge and academic skills to a practical sitution. The course is aimed primarily at students with little prior knowledge of science, who seek increased knowledge and skills in science, to assist in professional accreditation and personal development.
SC14405 RESEARCH PRACTICE AND ETHICS (FHEC - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Natural and Physical Sciences) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: BSCH or MSCR or MCTN or BSHH
This course is designed to allow students to appreciate the role of communication skills required in the successful pursuit of a career in scientific research and to appreciate the role of philosophy in the scientific community. The modular structure of the course is designed to allow the student to develop skills in particular aspects of scientific communication. Topics include computer-based information retrieval, expert systems, meaning and analysis, verbal and written scientific communications, Honours project skills (debates, seminars, posters and papers) and the interaction between science and society with an emphasis on the philosophy of science.

SC14407 COMPLEMENTARY STUDIES A (FHEC - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Natural and Physical Sciences) Band 2
This course provides the opportunity for a student to pursue an area of study which will complement the other studies in their program. Typically the course will consist of specialised investigations extending knowledge and skills in a certain area. The studies could involve, for example, a directed reading course, an extension to a project (where appropriate), or some other approved activity which would complement the student's studies. The area of study chosen will be assigned after consultation with the examiner and a staff member with expertise in the area concerned. To full entry requirements into the course, students must provide a course examiner with a satisfactory study plan, endorsed by the appropriate staff member, by the end of week 1 of the semester in which they are taking the course.

SC14408 COMPLEMENTARY STUDIES B (FHEC - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Natural and Physical Sciences) Band 2
This course provides the opportunity for a student to pursue an area of study which will complement the other studies in their program. Typically the course will consist of specialised investigations extending knowledge and skills in a certain area. The studies could involve, for example, a directed reading course, an extension to a project (where appropriate), or some other approved activity which would complement the student's studies. The area of study chosen will be assigned after consultation with the examiner and a staff member with expertise in the area concerned. To full entry requirements into the course, students must provide the course examiner with a satisfactory study plan, endorsed by the appropriate staff member, by the end of week 1 of the semester in which they are taking the course.

SC14409 SCIENCE HONOURS PROJECT 1 (FHEC - UGRD)
Semester 1 (ONC)Toowoomba (EXT)Toowoomba
Units 2.0 (Natural and Physical Sciences) Band 2
This course involves students in a research project which will be supervised by a member of staff with appropriate expertise in the field. The course will consist of pure or developmental research in an important area of science. The course will be used as part of the honours program to conduct research either within the University or elsewhere in conjunction with a government or private organisation. The course will require the student to undertake suitably organised and present an honours thesis and deliver several presentations on their research topic, in addition to conducting their research program. Science Honours Project A and B need to be taken in consecutive semesters, overall Honours grades being determined in accordance with School of Agricultural, Computational and Environmental Sciences Honours Program Guidelines.

SC14410 SCIENCE HONOURS PROJECT 2 (FHEC - UGRD)
Semester 2 (EXT)Toowoomba (ONC)Toowoomba
Units 2.0 (Natural and Physical Sciences) Band 2
This course involves students in a research project which will be supervised by a member of staff with appropriate expertise. It may consist of pure or developmental research in an important area of science. The course will be used as part of the honours program to conduct research either within the University or elsewhere in conjunction with a government or private organisation. The course will require the student to undertake suitably organised and present an honours thesis and deliver several presentations on their research topic, in addition to conducting their research program. Overall Honours grades will be determined in accordance with School of ACES honours program guidelines.

SC14101 SCIENCE IN PRACTICE (FHEC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (General Education Programmes n) Band 3
This course provides the opportunity for a student to pursue an area of study in science that is not part of any other program study. Typically the course will consist of specialised investigations extending knowledge and skills in a certain area. The area of study chosen will be assigned after consultation with the examiner and a staff member with expertise in the area concerned. On completion of this course, students are expected to have gained expertise, specialised cognitive and technical skills in a body of knowledge or practice to independent analyse critically, reflect on and synthesise complex information, problems, concepts and theories. Assessment will be via an essay.

SC14102 RESEARCH SKILLS (FHEC - PGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (General Education Programmes n) Band 3
This course provides a student with an opportunity to develop scientific research skills by conducting directed research using existing data and submitting a detailed report. On completion of this course, students are expected to gain specialised knowledge and skills to independently research and apply established theories and interpret and transmit knowledge, skills and ideas to specialist and non-specialised audiences. The use of project-based learning provides students with an opportunity to carry out an in-depth study of a topic relevant to their program study area.

SC15101 MASTER OF SCIENCE RESEARCH PROJECT A (FHEC - RSCH)
Semester 1 (ONC)Toowoomba (EXT)Toowoomba
Units 1.0 (Natural and Physical Sciences) Band 2
Pre-requisite: Student must be enrolled in the following Program: MSCR
Candidates in the Master of Science (Research) will undertake studies on their research project in consultation with their Project Supervisors. The Research Proposal will be submitted by Week 6 of Semester 1. Projects will be carried out in consultation with their Project Supervisors. On completion of this course students will be required to submit a report on their research project in consultation with their Project Supervisors and the Faculty of Science.

SC15102 MASTER OF SCIENCE RESEARCH PROJECT B (FHEC - RSCH)
Semester 2 (ONC)Toowoomba
Units 2.0 (Natural and Physical Sciences) Band 2
Pre-requisite: Student must be enrolled in the following Program: MSCR
Candidates in the Master of Science (Research) will undertake studies on their research project in consultation with their Project Supervisors. The Research Proposal will be submitted by Week 6 of Semester 1. Projects will be carried out in consultation with their Project Supervisors. On completion of this course students will be required to submit a report on their research project in consultation with their Project Supervisors and the Faculty of Science.

SC15103 MASTER OF SCIENCE RESEARCH PROJECT C (FHEC - RSCH)
Semester 1 (ONC)Toowoomba (EXT)Toowoomba
Units 2.0 (Natural and Physical Sciences) Band 2
Pre-requisite: Student must be enrolled in the following Program: MSCR
Full-time candidates in the Master of Science (Research) should enrol in this course in the final semester of their program. Candidates will undertake studies on their research project, which has been decided in consultation with their Project Supervisors and the Faculty of Science.

SC15104 MASTER OF SCIENCE RESEARCH PROJECT D (FHEC - RSCH)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 2.0 (Natural and Physical Sciences) Band 2
Pre-requisite: Student must be enrolled in the following Program: MSCR
Candidates in the Master of Science (Research) will undertake studies on their research project in consultation with their Project Supervisors.

SC15105 MASTER OF SCIENCE RESEARCH PROJECT E (FHEC - RSCH)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 2.0 (Natural and Physical Sciences) Band 2
Pre-requisite: Student must be enrolled in the following Program: MSCR
Candidates in the Master of Science (Research) will undertake studies on their research project in consultation with their Project Supervisors.

SC15106 MASTER OF SCIENCE RESEARCH PROJECT F (FHEC - RSCH)
Semester 1 (ONC)Toowoomba
Units 2.0 (Natural and Physical Sciences) Band 2
Pre-requisite: Student must be enrolled in the following Program: MSCR
Candidates in the Master of Science (Research) will undertake studies on their research project in consultation with their Project Supervisors.

SC15107 MASTER OF SCIENCE PSYCHOLOGY RESEARCH PROJECT (FHEC - RSCH)
Semester 1 (EXT)Toowoomba
Units 2.0 (Natural and Physical Sciences) Band 2
Pre-requisite: Student must be enrolled in the following Program: MSCR
Candidates in the Master of Science (Research) will undertake studies on their research project in consultation with their Project Supervisors.

SE1002 INTRODUCTION TO SPORT AND EXERCISE (FHEC - UGRD)
Semester 1 (ONC)Toowoomba
Units 0.5 (Human Movement) Band 1
This course will outline specific concepts regarding the discipline and various sub-disciplines of sport and exercise science such as biomechanics, motor learning, exercise physiology, sport psychology and nutrition. The course will examine the importance of health and physical activity and associated historical and social aspects. The course will address options and strategies related to studying sport and exercise content, relevant professional issues and career expectations. Students will review USQ's graduate skills and articulate their relevance to themselves and the program and courses. Students will explore verbal and nonverbal communication (including the use of technology), critical thinking skills and the dynamics of interpersonal and group communication in a range of contexts. Students will have the opportunity to expand written, verbal and personal interaction skills, applicable to careers in sport and exercise in an ever-changing and at times, challenging professional environment.

SE1293 PROFESSIONAL PLACEMENT 1 (FHEC - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 0.3 (Human Movement) Band 1
This course predominately provides observational and learning experience in the nature of the authentic professional experience in a sport and exercise context. The course also provides the opportunity to observe and experience the practical application of the above. The course provides opportunities for students to value added to professional skills developed during the course. The course will be decided in consultation with their Project Supervisors and the Faculty of Science.
This course provides an overview of the principles of nutrition for exercise and health of a range of individuals throughout the lifespan (including body composition of individuals). The role of macro and micronutrients will be explored. It will outline the relationship of nutrition and exercise and its role in exercise performance and treatment of chronic metabolic conditions such as obesity, diabetes and heart disease. The course will also provide knowledge and skills associated with various age groups and special populations with regards to nutrition and exercise. Nutritional guidelines and any relevant exercise strategies for optimal health will be provided in relation to weight loss, eating disorders, and the requirements of special populations. The course will outline the special requirements of people engaged in various sports and physical activities and address a range of issues relevant to this group. The role of dietary supplements, sports drinks, vitamins and ergogenic aids so they relate to athletes and other groups will be outlined. Focus will be on achieving a healthy lifestyle where nutrition and exercise are important components.

SES3102 CLINICAL EXERCISE PHYSIOLOGY FOR YOUNG PEOPLE (FHESC - UGRD)
Semester 1 (ONC/peerch (ONC)/Toowoomba (ONC)/Toowoomba Units 1 (Human Movement) Band 1
Pre-requisite: Students must be enrolled in the following Program: BSEH
This course provides an introduction to the common conditions that affect individuals from childhood to adulthood. This course will focus on the common conditions that affect growth and development of periodisation programs to optimise sport and exercise areas. Current research and the relationship to other discipline areas will be outlined.

SES2201 HEALTH, EXERCISE AND SPORT ASSESSMENT (FHESC - UGRD)
Semester 1 (ONC/peerch (ONC)/Toowoomba (ONC)/Toowoomba Units 1.0 (Human Movement) Band 1
Pre-requisite: Students must have completed 8 units in one of the following programs: BSEH or BSEP before enrolling in this course.
This course provides knowledge and skills in relation to the type, conductions and interpretation of tests to devise an adequate and effective exercise program. The knowledge and skills will be applicable to areas of sports medicine and rehabilitation, and the special requirements of people engaged in various sports and physical activities and address a range of issues relevant to this group. The role of dietary supplements, sports drinks, vitamins and ergogenic aids so they relate to athletes and other groups will be outlined. Focus will be on achieving a healthy lifestyle where nutrition and exercise are important components.

SES2304 INTRODUCTION TO RESEARCH METHODS AND STATISTICS (FHESC - UGRD)
Semester 1 (ONC/peerch (ONC)/Toowoomba (ONC)/Toowoomba Units 1.0 (Human Movement) Band 1
This course provides an overview of many aspects related to research methodologies, methods, and statistical analysis. A review of the integration of the relevant research information will be undertaken. The knowledge and skills from various disciplines that is appropriate to sports medicine.

SES2202 BIOMECHANICS (FHESC - UGRD)
Semester 2 (ONC/peerch (ONC)/Toowoomba (ONC)/Toowoomba Units 1.0 (Human Movement) Band 1
This course examines biomechanics and its relationship to humans in movement populations. It outlines the theoretical basis of human performance and provides practical opportunities to measure human performance. It provides the opportunity to evaluate exercise and movement across the lifespan. Content addressed includes biomechanics of movement, its relationship to humans in movement and the role of biomechanics in health and performance. It outlines the theoretical basis of human performance and provides practical opportunities to measure human performance. It provides the opportunity to evaluate exercise and movement across the lifespan. Content addressed includes biomechanics of movement, its relationship to humans in movement and the role of biomechanics in health and performance.
For on-campus students.

Exercise Physiologists. This course contains a mandatory residential component for on-campus students.

Pre-requisite: SES3202 and SES3231 and Students must be enrolled in SES.

This course provides an introduction to the clinical exercise physiology scope of practice within the Australian healthcare system. This course will enable students to develop the practical skills required by students when working with clinical populations to provide expert exercise assessment and testing, prescription of exercise interventions, and monitoring of clients’ progression throughout the prescribed exercise programs. The course will focus on interactive engagement with the students to develop students’ ability to analyse the rationale behind their clinical skills and knowledge in clinical exercise physiology to enhance their professional development and potential ability.

SES3101 CLINICAL EXERCISE PHYSIOLOGY FOR MATURE TO LATER YEARS (FHEC - UGRD)

Semester 1 (EXT) Toowoomba
Units 1.0 (Human Movement) Band 1

Pre-requisite: SES3231 and Students must be enrolled in SES.

This course provides an introduction to the common conditions that affect people to middle age. This course will investigate the epidemiology, aetiology and pathology of major cardiovascular, pulmonary, musculoskeletal, neuromuscular, renal, mental and cancer conditions commonly found in clinical populations from adults to middle age. Appropriate knowledge and skills will be developed to enable students to plan and implement exercise programs for clients with chronic conditions. Clinical experience will be gained to enable students to design appropriate exercise programs for clients with chronic diseases. This course will enable students to develop skills and knowledge in clinical exercise physiology to enhance their professional development and potential ability.

SES3299 PROFESSIONAL PLACEMENT 3 (FHEC - UGRD)

Semester 1 (ONC) (ONL) (ONL) Toowoomba
Units 0.5 (Human Movement) Band 1

Pre-requisite: SES3299

This course builds on preliminary learning regarding the nature of the authentic professional experience to be undertaken in an external environment based on the students’ interest area. The course provides the opportunity to develop the ability to communicate theoretical knowledge and apply practical skills in a proficient manner. The course provides opportunities to value add to professional experience during the course and as a practitioner. The importance of evidence-based research and the ability to draw together knowledge and skills from different discipline areas is valued. Effective time management skills and work related documentation processes to enhance professional engagement are developed. Assessment is via completion of the program during the study period.

SES4102 CLINICAL PRACTICE SKILLS 2 (FHEC - UGRD)

Semester 1 (EXT) Toowoomba
Units 1.0 (Human Movement) Band 1

Pre-requisite: SES3202 and SES3231 and Students must be enrolled in SES.

This course provides an introduction to the clinical exercise physiology scope of practice within the Australian healthcare system. This course will enable students to develop the practical skills required by students when working with clinical populations to provide expert exercise assessment and testing, prescription of exercise interventions, and monitoring of clients’ progression throughout the prescribed exercise programs. The course will focus on interactive engagement with the students to develop students’ ability to analyse the rationale behind their clinical skills and knowledge in clinical exercise physiology to enhance their professional development and potential ability.

SES6001 ADVANCED BIOMECHANICS (FHEC - PGRD)

Semester 1 (ONC) (ONL) Toowoomba
Units 1.0 (Human Movement) Band 1

This course addresses biomechanics and its relationship to human movement across a range of groups in the population. It outlines the theoretical basis of human performance and provides practical opportunities to measure human performance. This course also provides the opportunity for students to analyse data and design programs to meet the specific needs of clients. The importance of research in biomechanics for best practice and the interaction with relevant discipline areas will be presented. The course will provide students with an opportunity to develop skills relevant to the design of protocols for biomechanical research and practice.

SES6003 ADVANCED MOTOR CONTROL AND LEARNING (FHEC - PGRD)

Semester 1 (ONC) (ONL) Toowoomba
Units 1.0 (Human Movement) Band 1

This course provides both an introduction and advanced understanding of the nature of motor control and learning. It outlines the theoretical basis of motor control and learning to be able to select and perform assessment of motor skills. The course will develop knowledge and skills relevant to the design of protocols for biomechanical research and practice, for teaching motor skills to meet the needs of clients. The course will not only provide information relevant to a general healthy population, especially those involved in sport and physical activity, but to deal with clients across a range of populations. The use of motor control and learning in the design of programs for motor skills and in rehabilitation will be a focus. Advanced focus of motor control and learning will also be provided for in the semester. Current research and the relationship to other discipline areas will be outlined.

SES6005 ADVANCED EXERCISE PHYSIOLOGY FOR SPECIAL POPULATIONS (FHEC - PGRD)

Semester 1 (ONC) (ONL) Toowoomba
Units 1.0 (Human Movement) Band 1

This course provides a final opportunity for students to develop the knowledge and skills necessary to deliver a client-specific exercise program either in person or remotely in individual and group sessions. The course is designed to meet the specific goals and needs of those with pathology or injury that has been prescribed by an appropriately qualified health professional. Exercise programs for clients with a range of medical and other conditions will be outlined. A range of theoretical and practical issues will be outlined.

SES6006 ADVANCED EXERCISE PROGRAMMING AND REHABILITATION (FHEC - PGRD)

Semester 1 (ONC) (ONL) Toowoomba
Units 2.0 (ONL) Band 1

This course will provide an opportunity for students to develop the knowledge and skills necessary to deliver a client-specific exercise program either in person or remotely in individual and group sessions. The course is designed to meet the specific goals and needs of those with pathology or injury that has been prescribed by an appropriately qualified health professional. Exercise programming and rehabilitation will be outlined. The course will provide students with an opportunity to develop practical skills in leading and supervising activities in a range of exercise environments. Research data relevant to latest developments and trends will be investigated. Risk assessment and safety management will be outlined.

SES6007 ADVANCED EXERCISE ASSESSMENT AND DELIVERY (FHEC - PGRD)

Semester 1 (ONC) (ONC) (ONL) Toowoomba
Units 1.0 (Human Movement) Band 1

This course assists with the developments of advanced knowledge and skills required to plan and implement exercise programs for an apparently healthy population. Content will be extended to include advanced exercise assessment within exercise delivery for clients with chronic illness and/or disability and for the elderly. Exercise prescription principles will be outlined and evidence based training methods to improve health and performance related to components of physical fitness and wellbeing (physical function and capacity) will be explored. Exercise will be outlined. The course will provide an opportunity to develop practical skills in leading and supervising activities in a range of exercise environments. Research data relevant to latest developments and trends will be investigated. Risk assessment and safety management will be outlined.
This course addresses advanced anatomy and functional anatomy principles and provides a review of all human physiological systems relevant to exercise. The course develops knowledge necessary to identify the structural and functional requirements of the nervous and muscular-skeletal system in relation to human motion over a range of physical activities. A thorough investigation of a range of issues related to exercise and the use of the musculoskeletal system across the lifespan and with various populations will be undertaken. Observation and analysis of various practical activities will be undertaken to in increase knowledge and skills with regards to movement and activity and reporting on relevant aspects relevant to exercise prescription. Relevant research methods and current research information on functional anatomy will be outlined. This course contains a mandatory residential school for external students and mandatory on-campus laboratory or practical classes for on-campus students.

This course builds on preliminary learning regarding the nature of the authentic professional movement to be undertaken in an external environment based on the students' interest area. The course provides the opportunity to develop the ability to communicate theoretical knowledge and technical practical skills in a proficient manner. The course outlines opportunities to value add to professional skills developed during the course and as a practitioner. The importance of an evidence-based research and the ability to draw together knowledge and skills from different discipline areas is outlined. Effective time management practices and work related documentation processes to ensure successful completion of the course are provided during the program of study.

This course will focus upon evidenced-based practices to increase the preparedness of pre-service teachers to manage challenging behaviour within the context of the primary years of schooling. From the theoretical understanding and knowledge gained, pre-service teachers will be introduced to a set of advanced strategies and procedures for the management of learners with diverse disabilities who exhibit significant behavioural, emotional and social problems. This course will help pre-service teachers to develop their knowledge and skills of the functional behaviour assessment (FBA) process, and effective individualized behavioural intervention plans for learners in the primary years who demonstrate challenging behaviour. This course builds on knowledge and competencies gained in EDU1100 - Supportive Learning Environments: Cultivating Effective Classrooms. This course contains a professional experience placement that may be within a special education setting. Opportunity to apply knowledge, understanding and skills of a functional approach to managing challenging behaviour will be provided through an assessment task linked to professional experience. A 15 day professional experience placement is attached to this course. For full details of the Professional Experience particulars, please refer to the Professional Experience website and the Professional Experience Book.
This course will explore a range of learner developmental difficulties (atypical development) that may or may not be associated with a diagnosed disability but do impact upon the primary school learner's access to and participation in, the curriculum, areas including but not limited to: communication, literacy, numeracy, motor processing, and executive functioning, will be defined and their impact on learning explored through examples found within a primary school environment. Evidence-based teaching strategies specific to a primary school environment and relevant to these developmental difficulties will be explored as well as data collection methods to identify these deviations of this course. Pre-service teachers will undertake the national requirements to report data related to school learners with disabilities.

Pre-requisite: STA2300 or STA2301

This course provides the opportunity for a student to pursue an area of study that will complement the other studies in the student's program. Typically the course will consist of specialised investigations extending knowledge and skills in a certain area. The studies could theoretically apply these methods using statistical software and how to assess the effectiveness of given analyses for given data sets. Students will also learn how to perform statistical analyses in the statistical software R. This will require students to master the writing of R code.

STA3102 STATISTICAL INFERENCE (FHEC - UGRD)
Semester 1 (ONL)Toowoomba (ONL)

This course provides students with a firm grounding in the theory and methods of statistical inference and builds on the material covered in STA2301 (Distribution Theory). Students will use a number of statistical procedures useful for both parametric and nonparametric inferences and learn different applications for both. Within the course, students shall derive statistical procedures from first principles. For example, both point and interval estimation as well as tests of hypothesis under the classical framework of the methodology are covered. The theoretical foundations of these developments which are established in this course are supported by practical applications.

STA3102 STATISTICAL INFERENCE (FHEC - UGRD)
Semester 1 (ONL)Toowoomba (ONL)

This course introduces students to the concepts and elements of probability and distibution theory. The topics include probability, random variables, discrete and continuous distributions, moment generating functions, standard discrete and continuous distributions, bivariate distributions, moments, common theoretical assumptions and practical situations related to the normal distribution. This course also includes practical applications of these distributions and introduces statistical computations using R.

Semester 2 (ONC)Springfield (ONL)Toowoomba (ONC)

This course co vers principles of design such as randomisation, allocation, factorial arrangement and blocking. The emphasis is on general principles of design and analysis of experimental data rather than in describing the details of particular design layouts. Consideration is given to checking of assumptions and quality of data, robustness and appropriate analyses for a range of data and strategies for dealing with data, in particular descriptive and inferential statistics. Because these concepts and methods are inter disciplinary in nature, students will encounter problems from many sources including their own area of interest. The use of statistical software is a core component of the course. The mathematical underpinnings of the methods are discussed and presented in the context of experimental design.

Semester 1 (ONL)Toowoomba (ONL)

This course covers several of the statistical concepts and methodologies that will be encountered in designing, analysing and interpreting data from experiments in agriculture and the life sciences. Students will learn the mathematical foundation of a number of statistical methods, the benefit and limitations of each method, how to correctly apply these methods using statistical software and how to assess the effectiveness of given analyses for given data sets. Students will also learn how to perform statistical analyses in the statistical software R. This will require students to master the writing of R code.

Semester 2 (ONL)Toowoomba

This course provides the opportunity for a student to pursue an area of study that will complement the other studies in the student’s program. Typically the course will consist of specialised investigations extending knowledge and skills in a certain area. The studies could theoretically apply these methods using statistical software and how to assess the effectiveness of given analyses for given data sets. Students will also learn how to perform statistical analyses in the statistical software R. This will require students to master the writing of R code.

Semester 2 (ONC)Springfield (ONL)Toowoomba (ONC)

This course involves addressing reading and writing difficulties, and language development. An overview of this area will be presented including theoretical aspects. Individual reading and writing difficulties will be the focus including characteristics of learners with learning difficulties in terms of impact on reading and writing development. Appropriate assessment will be discussed, as well as how to set learning goals from the assessment results. Also included is the study of evidence-based pedagogical practice using different methods that learners with reading and writing difficulties can master learning goals.

Semester 1 (ONL)Toowoomba

This course is concerned with reading and writing difficulties, and language development. An overview of this area will be presented including theoretical aspects. Individual reading and writing difficulties will be the focus including characteristics of learners with learning difficulties in terms of impact on reading and writing development. Appropriate assessment will be discussed, as well as how to set learning goals from the assessment results. Also included is the study of evidence-based pedagogical practice using different methods that learners with reading and writing difficulties can master learning goals.

Semester 1 (ONC)Springfield (ONC)Toowoomba (ONC)Toowoomba

This course introduces and extends the student's knowledge of linear models. The mathematical development of these models will be considered, however the focus will be on practical applications. The statistical program R will be introduced and used throughout the course. This includes model building strategies and applications, and to improve their understanding of the importance of formulating and interpreting regression models, the use of the linear model R packages and the interpretation of the output.

Semester 1 (ONC)Springfield (ONL)Toowoomba (ONC)

This course provides the opportunity for a student to pursue an area of study that will complement the other studies in the student’s program. Typically the course will consist of specialised investigations extending knowledge and skills in a certain area. The studies could theoretically apply these methods using statistical software and how to assess the effectiveness of given analyses for given data sets. Students will also learn how to perform statistical analyses in the statistical software R. This will require students to master the writing of R code.

Semester 1 (ONC)Springfield (ONC)Toowoomba (ONC)Toowoomba

This course involves addressing reading and writing difficulties, and language development. An overview of this area will be presented including theoretical aspects. Individual reading and writing difficulties will be the focus including characteristics of learners with learning difficulties in terms of impact on reading and writing development. Appropriate assessment will be discussed, as well as how to set learning goals from the assessment results. Also included is the study of evidence-based pedagogical practice using different methods that learners with reading and writing difficulties can master learning goals.

Semester 1 (ONL)Toowoomba (ONL)

This course involves addressing reading and writing difficulties, and language development. An overview of this area will be presented including theoretical aspects. Individual reading and writing difficulties will be the focus including characteristics of learners with learning difficulties in terms of impact on reading and writing development. Appropriate assessment will be discussed, as well as how to set learning goals from the assessment results. Also included is the study of evidence-based pedagogical practice using different methods that learners with reading and writing difficulties can master learning goals.

Semester 1 (ONL)Toowoomba (ONL)

This course involves addressing reading and writing difficulties, and language development. An overview of this area will be presented including theoretical aspects. Individual reading and writing difficulties will be the focus including characteristics of learners with learning difficulties in terms of impact on reading and writing development. Appropriate assessment will be discussed, as well as how to set learning goals from the assessment results. Also included is the study of evidence-based pedagogical practice using different methods that learners with reading and writing difficulties can master learning goals.
SVY1104 Survey Computations A (FHEC - UGRD) Semester 2 (ONC)(Spring) (ONL)Toowoomba (ONC)Toowoomba Units 1.0 (Surveying) Band 2 Pre-requisite: SVY102 or SVY1500 or Students must be enrolled in one of the following Programs: GCNS or GDST or MSPT or MNSH Society has always needed to be able to measure and map the Earth's surface to plan for the future. Measurement of land and geometric position is essential in utilizing the Earth's resources for a sustainable future. The role of the Spatial Scientist is fundamental in defining spatial location of the Earth's surface and features. This course expands upon previous surveying theory into increasingly sophisticated surveying technology and methodology. This will include adjustment of surveying instruments, digital distance measurement and calculation, specific surveying techniques for technical fieldwork and surveying, traverse calculations, area calculations, coordinate calculation, real-geometry and circular curve calculations. Spatial Scientists must be familiar with the functions available in a hand held programmable calculator, be able to program a calculator and utilise programming to obtain solutions.

SVY1110 INTRODUCTION TO GLOBAL POSITIONING SYSTEM (FHEC - UGRD) Semester 2 (ONC)(Spring)(EXT)Toowoomba (ONC)Toowoomba Units 1.0 (Surveying) Band 2 The use of the Global Positioning System (GPS), for accurately determining positions on the Earth's surface, has grown exponentially since the late 1980s and early 1990s. Today GPS is firmly entrenched in the geospatial sector of surveying, geomatics and GIS organizations. This course presents fundamental information on structure, characteristics and use of GPS and other Global Navigation Satellite System (GNSS). Background information is provided and the basic principles of using the GNSS systems are introduced. The course has a bias towards the code observable and the use of GPS for asset mapping, but it is assumed the student has higher accuracy measurement techniques thus make this course relevant to a wide range of students. Communication skills will be relevant to those seeking fundamental knowledge in areas of general GPS surveying, agriculture, machine guidance, mapping and general data collection.

SVY1500 SPATIAL SCIENCE FOR ENGINEERS (FHEC - UGRD) Semester 2 (ONC)(Spring)(ONC) (ONL)Toowoomba Units 1.0 (Surveying) Band 2 Many engineering projects are based on the location of an engineer-designed structure (or structures) on a part of the Earth's surface. The construction of an engineer-designed structure requires accuracy surveying and spatial science skills to guarantee the establishment, alignment and fitting of structural or land components, and to ensure that all structures are positioned as designed. Investigation and location of engineering and development projects requires knowledge and input from spatial science professionals. Spatial science is an essential fundamental component in engineering planning, design, construction and monitoring processes. This course provides an understanding of the role and spatial skills of an engineer, an introduction to surveying principles, fundamental elements of global positioning systems and the interpretation of spatial information.

SVY1901Surveying and Spatial Science Practice 1 (FHEC - UGRD) Semester 1 (ONC)(Spring) (EXT)Toowoomba (ONC)Toowoomba Units 1.0 (Surveying) Band 2 The practice course seeks to develop competency in the use of a variety of survey instruments, calculations and practices. This course provides a broad introduction to surveying methodology and practices. Students will have the opportunity to select and complete four work shops that best reflect their needs for practical instruction. This course contains a mandatory residential school for external students and mandatory on-campus laboratories or practical classes for on-campus students.

SVY2105 Survey Computations B (FHEC - UGRD) Semester 1 (ONC)(Spring)(ONC) (ONL)Toowoomba Units 1.0 (Surveying) Band 2 Pre-requisite: EMHP 600 and SVV206 or Students must be enrolled in one of the following Programs: GCNS or GDST or MSPT or MNSH The purpose of this course is to provide the students with an under standing of the law of propagation of errors, statistical theory and applications to the analysis and adjustment of survey observations, using the Least Squares method. Both manual methods, using hand held programmable calculators and computer software packages are used to process the data from a variety of practical problems. Students will be able to understand the results of adjustment. The course examines the adjustment of terrestrial and GPS observations and coordinate transformations.

SVY2106 Geodetic Surveying A (FHEC - UGRD) Semester 1 (ONC)(Spring)(ONC) (EXT)Toowoomba Units 1.0 (Surveying) Band 2 Pre-requisite: SVY1110 and SVY102 or Students must be enrolled in one of the following Programs: GCNS or GDST or MSPT or MNSH or MNSH The purpose of this course is to provide the student with an under standing of the equipment and methods used to carry out precise surveys, including sources of error and the techniques used to minimise these errors. In addition the students are expected to gain the necessary skills to complete these surveys at an appropriate standard.

SVY2301 AUTOMATED SURVEYING SYSTEMS (FHEC - UGRD) Semester 1 (ONC)(Spring)(ONC) (EXT)Toowoomba Units 1.0 (Surveying) Band 2 Pre-requisite: SVY1104 or Students must be enrolled in one of the following Programs: GCST or GDST or MSPT or MNSH Today's surveying operate on the basis of autonomous application with the theory and application of electronic field equipment, in particular total stations, digital levels and hand held data recorders. They also need to be familiar with the computer software used to process this data for data and decision presentation purposes. This course introduces the student to a variety of electronic total stations and data recorders and develops their skills in the use of this equipment in a practical manner. Issues related to automated surveying including field technologies, legal requirements for testing and calibration, data transfer, liability for digital data, recent developments and quality assurance are examined.

SVY2302 Mine Surveying (FHEC - UGRD) Semester 1 (ONC)(Spring)(ONC) (ONL)Toowoomba Units 1.0 (Surveying) Band 2 Pre-requisite: SVY1104 or Students must be enrolled in one of the following Programs: GCNS or GDST or MSPT or MNSH The course covers the surveying requirements in the mining industry, both open cut and underground mining (surface and basement), and explains the part the mine surveyor plays in the industry.

SVY2303 Construction Surveying (FHEC - UGRD) Semester 2 (ONC)(Spring)(ONC) (ONL)Toowoomba Units 1.0 (Surveying) Band 2 Pre-requisite: SVY1104 Specific applications of the principles and techniques for construction surveying are applied to a range of engineering projects in this course. The main emphasis is placed on the practical application of construction surveying techniques required for engineering and land development projects. Just as importantly, it is essential that surveyors understand the engineering principles and design of engineering works.

SVY2302 Surveying and Spatial Science Practice 2 (FHEC - UGRD) Semester 1 (ONC)(Spring)(ONC) (EXT)Toowoomba Units 1.0 (Surveying) Band 2 Pre-requisite: SVY1901 SVY1100 and SVY1104 and GB1142 The collection and presentation of surveying and spatial information requires the understanding of a range of surveying equipment and software suitable to the needs of surveyors. Students will have the opportunity to complete a variety of workshops that best reflect their needs for practical instruction in their program. This course contains a mandatory residential school for external students and mandatory on-campus laboratories or practical classes for on-campus students.

SVY2303 Surveying and Spatial Science Practice 3 (FHEC - UGRD) Semester 2 (ONC)(Spring)(ONC) (ONL)Toowoomba Units 1.0 (Surveying) Band 2 Pre-requisite: SVY1901 and SVY2301 and SVV2106 and CVV201 The course is intended to provide students with a core of basic industry skills required for the practical applications of Surveying and Spatial Science in the workplace. Students will have the opportunity to complete four workshops that best reflect their needs for practical instruction in their program. This course contains a mandatory residential school for external students and mandatory on-campus laboratory or practical classes for on-campus students.

SVY3107 Geodetic Surveying B (FHEC - UGRD) Semester 2 (ONC)(Spring)(ONC) (EXT)Toowoomba Units 1.0 (Surveying) Band 2 Pre-requisite: SVY1110 or Students must be enrolled in one of the following Programs: GCST or GDST or MSPT or MNSH or MNSH The key subject areas covered in this course are: horizontal and vertical datum, satellite and traditional surveying, earth椭圆体 surveying, GPS. These are presented largely in the Australian context through the fundamental principles are entirely transferrable across the globe. This course assumes some prior knowledge of the fundamental principles involved in determining the size and shape of the earth, and the principles of the Universal Transverse Mercator (UTM) map projection. The Geodetic Surveying B is an important course for students interested in developing advanced-level application skills in solving complex geodetic problems and competency with respect to calculations on the spherical, calculations on the UTM map projection, and coordinate transformations.

SVY3300 Land Administration (FHEC - UGRD) Semester 2 (ONC)(Spring)(ONC) (ONL)Toowoomba Units 1.0 (Surveying) Band 2 Land use is the foundation of all societies. The policies and systems which support the sustainable development of land is integral to both developed and developing economies. Security of land title and orderly processes for land transactions and management are crucial in the establishment and orderly processes for land transactions and management are crucial in the sustainable development of land. This course introduces land administration systems in the context of sustainable development.

SVY3302 Photogrammetry and Remote Sensing (FHEC - UGRD) Semester 1 (ONC)(Spring)(ONC) (ONL)Toowoomba Units 1.0 (Surveying) Band 2 This course will enable students to extract, interpret and evaluate data from aerial photographs (including images captured by UAVs), terrestrial photographs and laser scanned images. Students will be able to describe critical components of the data, present it and relate the data to embedded or other data layers and the environment or information system storage. This course will also develop the student's understanding of the physical properties of remotely sensed data. Application of photogrammetric principles to different applications of this satellite sensed data, students will develop basic skills and knowledge in extracting, manipulating, interpreting, analysing and presenting this data.

SVY3304 Cadastral Surveying (Queensland) (FHEC - UGRD) Semester 2 (ONC)(Spring)(ONC) (ONL)Toowoomba Units 1.0 (Surveying) Band 2 Pre-requisite: (SVY1102 and SVY1104) or Students must be enrolled in one of the following Programs: GCNS or GDST or MSPT or MNSH or MNSH In this course students will be introduced to the Queensland statutory and common law relating to cadastral surveying, cadastral systems and land registration as per State legislation (Band 2) and introduce the historical and current survey requirements for the registration of land and select appropriate field-measuring techniques, field checking procedures, marking requirements and drafting standards for cadastral surveys. A significant component of the course will be able to develop skills to solve and perform cadastral boundary reinstatement calculations for both rural and urban surveys and to categorise, apply and justify reinstatement principles for cadastral surveys.

SVY3306 Cadastral Surveying (New South Wales) (FHEC - UGRD) Semester 2 (ONL)Toowoomba Units 1.0 (Surveying) Band 2 Pre-requisite: SVY1102 or Students must be enrolled in one of the following Programs: GCNS or GDST or MSPT or MNSH or MNSH In this course students will be introduced to the New South Wales statutory and common law relating to cadastral surveying, cadastral systems and land registration as per State legislation (Band 2) and introduce the historical and current survey requirements for the registration of land and select appropriate field-measuring techniques, field checking procedures, marking requirements and drafting standards for cadastral surveys. A significant component of the course will be able to develop skills to solve and perform cadastral boundary reinstatement calculations for both rural and urban surveys and to categorise, apply and justify reinstatement principles for cadastral surveys.

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THE1001 THEATRE IN CONTEXT 1: SOPHOCLES TO SHAKESPEARE (FBELA - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
This course is the first instalment of an historical and theoretical journey through theatrical and dramatic literature. Texts will be drawn from the Western theatrical performance tradition. The course will also provide students with some contemporary approaches to the study of performance, and will include a special study of the fundamental techniques of debate and scholarship in drama.

THE1002 THEATRE IN CONTEXT 2: BOURGEOIS TO BROKEN (FBELA - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
The study of the performance event, and of dramatic texts and theatre theories, provides insights into human experience. This course provides students with an introductory overview of some of the major plays, theories and historical features of the 20th century. Texts will be drawn mostly from European performance traditions. Continuing on from THE1001, this course will develop students' ability to form independent and present academic arguments about drama.

THE1003 POLITICAL AND COMMUNITY THEATRE (FBELA - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
This course focuses on a range of historical and recently developed theories and methodologies with a community theatre and critical pedagogy relevance. Students will investigate the structures and working applications of a range of political and cultural activities from agitational propaganda, theatre of protest, and community-improvement based theatre.

THE1004 PRODUCTION INTO PRACTICE (FBELA - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: THE1002 and (THE1002 or THE1005)
Working in supervised groups, students will be tasked with producing a short live performance. Students will be required to progress through management/administration, production, creative and interpretive processes and roles in producing the final work. The productions will have limited production values and will need to conform to a limited time and production period in the performance season.

THE1005 FUNDAMENTALS OF THEATRE PRACTICE (FBELA - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: THE1021 and (THE1022 or THE1005)
This course provides a thorough introduction to the processes of practice-led awareness and study along with training and experience in the application of responsible foundational skills in vocal production, movement and risk management assessment.

THE1021 INTERPRETIVE ACTING (FBELA - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
This course introduces students to the principles of the working actor's craft, based upon the Stanislavskian system.

THE2003 CHILDREN'S AND YOUNG PEOPLE'S THEATRE (FBELA - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Explores into drama and theatre practice in education will also cover drama pedagogy, drama as art, drama as research, drama across the curriculum, and interrogations of the fields of children's theatre and theatre-in-education.

THE2005 AUSTRALIAN THEATRE (FBELA - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
This course commences with an historical overview of Australian theatre and concludes at the beginning of the 21st century with an exploration of contemporary theatre. Throughout the course, students will study some of the social, political, economic and artistic elements and key artistic figures and companies that have shaped Australian theatre. The course attempts to represent a diversity of "voices" in Australian theatre, and will draw upon plays, articles and other secondary materials to enable students to explore a range of relevant socio-political and economic issues as they relate to identification.

THE2009 PROFESSIONAL SKILLS DEVELOPMENT 1 (FBELA - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: THE1002 and (THE1002 or THE1005)
Students will select either the performing or non-performing area of theatre practice and will be guided through appropriate skills development according to this choice. These skills are applied to various contexts, relevant to theory and form the basis of students' reflection and development as theatre artists or other audience communicators.

THE2010 PROFESSIONAL SKILLS DEVELOPMENT 2 (FBELA - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Performing Arts not elsewhere) Band 1
Pre-requisite: THE1002 and (THE1002 or THE1005)
Students will select either the performing or non-performing area of theatre practice and will be guided through appropriate skills development according to this choice. These skills are applied to various contexts, relevant to theory and form the basis of students' reflection and development as theatre artists or other audience communicators.

THE2011 ACTING 1 (FBELA - UGRD)
Semester 1 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: THE1021 and Students must be enrolled in the Program: BCAR or BCGA
Students enrolled in this course will engage in supervised and self-directed rehearsal of scenes work for recording in the Television Studio and on live performance work for public outcome.

THE2022 CREATIVE DEVELOPMENT (FBELA - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: THE2011 and Students must be enrolled in one of the following Programs: BCAR or BCGA
This course focuses on the development of the student's performance in a range of Australian plays and screenplays. Material from the plays is performed for the digital environment.
This year, the study of Shakespearean drama and performance has been a prime location for a range of critical and theoretical debates. The aim of this course is to explore the plays of Shakespeare and other dramatists of the early modern period in relation to contemporary world-reviews. The analysis of a workshop in performance practice work(s) as a part of the annual Shakespeare Festival. This project may involve live performance, touring and video/digital recording work(s).

This course addresses the nature and growth of ecotourism as a specialized segment of the tourism industry. The focus throughout the course is on sustainability, which is one of three core criteria that identify ecotourism, and policies and practices to ensure sustainability. It also examines the other core criteria: the range of natural environments in which ecotourism operates, and interpretation (or environmental education) and the role of ecotourism in visitor management. The course covers other key areas such as market segments, positive and negative impacts, quality control processes, ethics, and other stakeholders that are involved with ecotourism including indigenous communities. An overview of global ecotourism is included, and case studies of particular places are used to illustrate the main points throughout the course. Students will analyse a real life ecotourism venture as part of their assessment.

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This course provides students with an introduction to the content and approaches to studying in major fields of humanities scholarship, in including English Literature, History, the History of Art and Creative Art and the Social Sciences. Module-based study will take students through major facets of these disciplines but will also encourage students to think of the humanities in a multi and bimodal discipline way. A capstone module on career choices is the real-world application of thinking about the humanities.

TPP7155 GENERAL SCIENCE (OAC - NONA)
Semester 1 (ONL)Toowoomba
Units 1.0 (Natural and Physical Sciences) Band 2

This course provides students with an introduction to the effect of development on the human, and addresses the planner's role in urban and regional development.

TPP7180 PREPARATORY MATHEMATICS (OAC - NONA)
Semester 1 (ONL)Toowoomba
Units 1.0 (Mathematics not else) Band 2

Using concepts of self-paced instruction and adult learning the course guides students through a carefully sequenced series of topics that develop the mathematical literacy necessary for study in those undergraduate degrees that do not specifically require mathematics. Each module in the course uses applications of mathematical literacy to develop foundational mathematical content. The self-paced structure allows students to work at their own pace within a specified frame work, thus developing their confidence with mathematics, mathematical communication and general problem solving skills.

TPP7190 PREPARATORY MATHEMATICS (FHESC - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Mathematics not else) Band 2

This course will cover the role of all levels of Australian Government planning. It will examine the role of planning in a range of Federal, State and Local Government policies and statutory controls.

TPP7191 INTRODUCTION TO THE HUMANITIES (OAC - NONA)
Semester 2 (ONL)Toowoomba
Semester 3 (ONL)Toowoomba
Units 1.0 (History) Band 1

Teaching and learning activities are separated to support both a knowledge of science and an appreciation of scientific process. The interdisciplinary course introduces students to scientific method, measurement in science, the nature of matter and contemporary scientific issues such as antibiotic resistance, genes and genetic technology and the causes and effects of climate change. The course is structured to increase students' scientific literacy, particularly the skills of critical thinking and the evaluation of scientific data and to communicate effectively their findings. This will enable students to engage with bimodal processes and content that is relevant both today and in the future.

TPP7195 INTRODUCTION TO PSYCHOLOGY AND COUNSELLING (OAC - NONA)
Semester 1 (ONL)Toowoomba
Semester 3 (ONL)Toowoomba
Units 1.0 (Psychology) Band 2

This course provides students with an introduction to the careers and pathways that exist in the fields of psychology and counselling. Module based study will guide students through an introduction to counselling and counselling psychology careers, the differences that exist between the two, some of the theories that are used within each and how they are applied in context. The course will draw on exam ples and case studies that outline the application of theory. It will conclude with the student applying self-reflection to their own circum stances with the application of an appropriate theory of psychology and counselling.

URP2001 PLANNING STRUCTURES AND STATUTORY PLANNING (FHESC - UGRD)
Semester 1 (ONL)Toowoomba
Units 1.0 (Urban Design and Regional Plan) Band 2

This course will cover the role of all levels of Australian Government planning. It will examine the role of planning in a range of Federal, State and Local Government policies and statutory controls.

URP2002 LOCAL GOVERNMENT PLANNING PRACTICE AND TECHNOLOGY (FHESC - UGRD)
Semester 2 (ONC)Toowoomba (ONL)Toowoomba
Units 1.0 (Urban Design and Regional Plan) Band 2

This course will cover the controls and procedures used by local government in the development of their communities. The detail of the content is different from that of a non-urban subject.

URP2300 REGISTRATION PLANNING (FHESC - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Surveying) Band 2

This course contains the mandatory residential subject for ex termal and on-campus students.

URP2301 SUSTAINABLE URBAN DESIGN AND DEVELOPMENT (FHESC - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Physics) Band 2

This course contains the mandatory residential subject for ex termal and on-campus students.

URP2401 MOVEMENT NETWORK PLANNING (FHESC - UGRD)
Semester 2 (ONL)Toowoomba
Units 1.0 (Urban Design and Regional Plan) Band 2

This course covers the planning of regional networks. It will examine the impact of various planning theories on the role of the planner and the implications for planning practice and urban development policy in the context of modernity, globalisation, inequality, difference and
The safe handling of materials, processes and equipment. This course is designed to enhance the student's understanding of contemporary art and craft practice, and to develop the student's ability to work safely and effectively in all visual arts areas including the studio disciplines. The course includes lectures and discussions on historical and contemporary art and craft processes, and on the theoretical and practical implications of these processes. Students will learn to understand the various processes and materials they use within the visual work they produce. The focus of this course is on developing a safe and efficient approach to studio practice, and to develop an understanding of various artists' conceptual intentions and the way in which artists construct hybridised work through colour, site, language, space, conceptual intention and context. The course deals with the role of contemporary artists in society, and discusses the impact of contemporary artists on society. Students will learn to develop an understanding of both historical and contemporary art methodologies which artists share.

Pre-requisite: VSA1005

VSA1006 GALLERY STUDIES 1
Semester 1 (ONL)Toowoomba (ONC)Toowoomba Units 1.0 (Fine Arts) Band 1

This course complements the workshops undertaken in Contemporary Art Practice 1. Students develop a proposal, in consultation with supervisors and curators, to develop a body of work. This course enables students to extend and contextualise their skills, and to develop a body of work that is relevant to the contemporary art world. Throughout this approach, a rigorous exploration of historical and contemporary art movements and artists that were central to this period of art, and the relationship between art and society, are emphasized. In this course students will be able to define what an ARI is and ask for information about the current ARI scene, and national and international, and their role in the development of Australian art. The course also examines the role of the artist in contemporary art, and the role of the artist in contemporary ARI. This course is designed to enhance the student's understanding of contemporary art and craft practice, and to develop the student's ability to work safely and effectively in all visual arts areas. The role and function of the artist in contemporary art is examined, as well as the role of the artist in contemporary ARI. The course also examines the role of the artist in contemporary art, and the role of the artist in contemporary ARI. This course is designed to enhance the student's understanding of contemporary art and craft practice, and to develop the student's ability to work safely and effectively in all visual arts areas. The role and function of the artist in contemporary art is examined, as well as the role of the artist in contemporary ARI. The course also examines the role of the artist in contemporary art, and the role of the artist in contemporary ARI. This course is designed to enhance the student's understanding of contemporary art and craft practice, and to develop the student's ability to work safely and effectively in all visual arts areas.
WIN2215 WINE BIOCHEMISTRY AND MICROBIOLOGY (FHEC - UGRD)
Semester 2 (ONL/Toowoomba)
Units 1.0 (Food Science and Biotechnology) Band 2
Pre-requisite: WIN1101

The chemical and physical nature of structures and functions within living cells is studied. This course allows students to develop an understanding of the major classes of biochemical compounds and the metabolism of these compounds. It discusses the structures and chemistry of biomolecules, biochemical reactions, and metabolic processes including metabolism of carbohydrates, respiration and photosynthesis. This is extended to consider the biochemical and physiological important enzymes-catalysed reactions in production and storage of wine. Impacts of enzymes derived from the grapes, the microbes used to ferment wine, and used as winemaking additives are discussed. The course also considers biochemical and spectroscopic analysis of wines. In recent years, the role of microorganisms and their effects on the quality of wine and the chemical stability of wine is examined. This course covers the role of microorganisms in wine making.

WIN2220 WINE PRODUCTION (FHEC - UGRD)
Semester 2 (ONL/Toowoomba)
Units 1.0 (Food Science and Biotechnology) Band 2
Pre-requisite: WIN1101

This course is aimed at providing an awareness of how chemistry can be used to interpret, unify and predict outcomes of winemaking actions, and extends previous studies to consider the production of dry white and red table wines. The course considers acidity, buffering, chemical equilibria and measurement and control in wine making, chemical analyses of juices and wine, sulphur dioxide in winemaking, oxidation and its management in grapes, juice and wine, chemistry of wine phenolic compounds and wine refinement. The course also covers the chemical stability issues. It then considers assessment of grape berry quality as related to winemaking, and follows the key stages in the making of dry table wines. These stages include processing of grapes, juice primary fermentation, wine refinement, early and late clarification, similar and different processes in white and red wine production and fining, and clarification of wines during and post-fermentation, clarification, and filtration. It is followed by consideration of bottling, types of wine packaging and winemaker's approach and techniques on wine. The course is mainly comprised of a comprehensive study of fortified wines is considered, including production of fortifying spirit by distillation from grape pomace, and wines used in production of fortified wines. The course finishes with consideration of principles of production of sparkling wines, including secondary fermentation and post-fermentation processes and practices.

WIN304 VITICULTURAL AND WINEMAKING PRACTICE 2 (FHEC - UGRD)
Semester 3 (EXT/Toowoomba)
Units 1.0 (Food Science and Biotechnology) Band 2
Pre-requisite: WIN2220

This course mainly comprises a mandatory, intensive 5 day residential school, based at the Queensland College of Wine Tourism, and provides a practical introduction to harvest-season viticulture and winemaking through activities in the Queensland College of Wine Tourism vineyard, winery and winery facilities and field trips to local commercial operations. The activities to be undertaken include determining optimal time for harvest through yield estimation, vineyard assessment and grape berry compositional testing, leaf sample management, and sampling and analysis of wines, processing of grapes, harvesting, processing (crushing, pressing, stabilisation, clarification, enroachment, treatment, analysis) and assessment of wines and bottling, and winery primary fermentation of white and red wines. In addition students will be guided through appropriate preparatory activities prior to the residential school and follow-up activities will include completion of a report on activities and outcomes. This course forms a mandatory residential school.

WIN2120 VITICULTURAL PRINCIPLES AND PRODUCTION (FHEC - UGRD)
Semester 2 (ONL/Toowoomba)
Units 1.0 (Food Science and Biotechnology) Band 2
Pre-requisite: WIN1101

This course provides students with an in-depth understanding of the annual grapevine growth cycle and the importance of this knowledge to vineyard management, the processes of vegetative and reproductive growth and berry flavour and aroma accumulation and the influence of climate on these processes. It then considers the practices involved in yield estimation and vineyard management through different times of the year, including pruning, irrigation and nutrition management, canopy management, harvest and post-harvest management and operation and harvesting and quality assurance. An in-depth view into an investigation into the issue of vineyard plant growth and health management and the importance of monitoring and recordkeeping. Emerging vineyard technologies are introduced.

WIN2200 VITICULTURAL AND WINEMAKING PRACTICE 1 (FHEC - UGRD)
Semester 1 (EXT/Toowoomba)
Units 1.0 (Food Science and Biotechnology) Band 2
Pre-requisite: WIN2200

This course mainly comprises a mandatory, intensive 5 day residential school, based at the Queensland College of Wine Tourism, and provides a practical introduction to viticultural and winemaking practices in the spring to summer period, considering topics such as flowering, vineyard management, pruning, pest & disease management, fertilisation, irrigation, floor management, cover crops and canopy management. Winemaking skills and topics include fermentation, clarification, stabilization, fining, finishing and bottling. It also provides further practice in technical analysis of wine components in the context of this phase of wine production through activities in the Queensland College of Wine Tourism vineyard and winery facilities and field trips to local commercial vineyards and wineries. In addition students will be guided through appropriate preparatory activities prior to the residential school and follow-up activities will include completion of a report on activities and outcomes. The practical experience in this course is set in the context of recent viticultural and winemaking activities and relates to elements of the theoretical courses WIN1101 (Grape and Wine Production), WIN2102 (Wine composition, stability and analysis), WIN2204 (Wine Biochemistry), WIN2205 (Viticultural Principles) WIN2300 (Viticultural Production) and WIN3003 (Wine Production). It builds on skills developed in WIN2220 (Wine Analysis Practice), WIN2220 (Wine Making Practice 1) and WIN2203 (Viticultural Practice 1). This course forms a mandatory residential school.
WIN3310 WINE SENSORY ANALYSIS (FHESS - UGRD)
Units 1.0 (Food Science and Biotechnology) Band 2
Pre-requisite: WRP9010

This course provides an introduction to physiological understanding of wine appreciation, principles of grape berry sensory analysis and sensory analysis of major wine types and styles, and consideration of wine and food pairing to maximize the positive and negative potential impacts of wine consumption. This course includes a consumer sensory analysis study, and focuses on the development of appreciation of variety, region and vineyard and wine making and the impact on wine sensory appreciation. A major focus of this course is the recognition of wine faults. Students analyze different styles of wines from around the world. Students also gain insight and practical experience in the world of wine show, being exposed to wine judging and wine show stewarding, and to the use of sensorial analysis for wine research. This course contains a mandatory residential school.

WRP9002 WORK-BASED RESEARCH PROJECT (FBELA - RSCH)
Semester 1 (ONL) Toowoomba
Student 1
Units 2.0 (Education not elsewhere classified) Band 1
Pre-requisite: WRP9001

This course ensures that students enrolled in the Master of Professional Studies program gain the capacity that will enable them to design and conduct their own work-based project. The course is planned to provide a high level of skill in assessing and addressing ethical considerations in their study and related professional practice, learn about appropriate research methods and conduct research, as specified in the students’ approved work-based research project proposal. The student must demonstrate a capability of self-managing and/or collaborating within an appropriate research and project development culminating in providing a report of their progress at the completion of each study period.

WRP9013 PROFESSIONAL STUDIES RESEARCH PROJECT 2 (FBELA - RSCH)
Semester 1 (ONL) Toowoomba
Student 1 (On line study)
Units 2.0 (Education not elsewhere classified) Band 1
Pre-requisite: WRP9012

This course ensures that students enrolled in the Master of Professional Studies program gain the capacity that will enable them to design and conduct their own work-based project. The course is planned to provide a high level of skill in assessing and addressing ethical considerations in their study and related professional practice, learn about appropriate research methods and conduct research, as specified in the students’ approved work-based research project proposal. The student must demonstrate a capability of self-managing and/or collaborating within an appropriate research and project development culminating in providing a report of their progress at the completion of each study period.

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