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 12 Sep 2017.
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.
ACC1101 ACCOUNTING FOR DECISION-MAKING (FEBA - UGRD)
Semester 1 (ONC)(Spring) (WEB)/Toowoomba (ONC)/Toowoomba
Semester 2 (ONC)(Spring) (WEB)/Toowoomba (ONC)/Toowoomba
Semester 3 (WEB)/Toowoomba
Units 1.0 (Accounting) Band 3
Pre-requisite: ACC1101

This course introduces students to the world of accounting. Designed to provide a solid foundation for further study in both accounting and management, the course provides a logical introduction to the accounting environment and to the common financial accounting (external) reporting and management accounting (internal) tools used for decision making purposes.

ACC1114 MANAGEMENT ACCOUNTING II (FEBA - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Accounting) Band 3
Pre-requisite: ACC1123

This course comprises an extension of some topics studied in Management Accounting I, as well as an expansion into other areas. Extensions include service costing, pricing decisions and customer profitability analysis. The course also explores impacts on management accounting from contemporary management philosophies and techniques in relation to cost and pricing, performance measurement, capital investment decisions sustainability and questions on the relevance of various aspects of traditional management accounting. This course develops the threshold learning outcomes in the areas of knowledge and application skills.

ACC2112 FINANCIAL ACCOUNTING II (FEBA - UGRD)
Semester 1 (ONC) (Spring)(WEB)/Toowoomba (ONC)/Toowoomba
Semester 2 (ONC) (Spring)(WEB)/Toowoomba (ONC)/Toowoomba
Semester 3 (WEB)/Toowoomba
Units 1.0 (Accounting) Band 3
Pre-requisite: ACC1101

In this course you will study the concepts and standards that underpin financial reporting and the financial reporting process. You will study a number of specific accounting standards and generally accepted accounting principles (GAAP). This course, including accounting for assets (inventories, receivables and long-term assets, as well as property, plant and equipment and intangible assets), liabilities, (provisions and bonds), equity, (partnerships and companies), income (true - profit) and management information (management report). You will also have the opportunity to prepare financial statements for reporting entities (statement of financial position, statement of profit or loss and other comprehensive income, statement of changes in equity and statement of cash flows) and analyse the information displayed in accounting reports.

For part of their assessment, students will be required to prepare company financial statements for a selected company as part of their assessment.

ACC2123 MANAGEMENT ACCOUNTING I (FEBA - UGRD)
Semester 1 (WEB)/Toowoomba
Semester 2 (ONC) (Spring)(WEB)/Toowoomba (ONC)/Toowoomba
Semester 3 (WEB)/Toowoomba
Units 1.0 (Accounting) Band 3
Pre-requisite: ACC1101

This course focuses on the provision and use of management accounting information for planning, control and decision-making. The course encourages an understanding of the management accounting function by exploring the creation and management of organisational value. This course develops the threshold learning outcomes in the areas of knowledge and application skills.

ACC2115 COMPANY ACCOUNTING II (FEBA - UGRD)
Semester 1 (ONC)(Spring) (WEB)/Toowoomba (ONC)/Toowoomba
Semester 2 (ONC)(Spring) (WEB)/Toowoomba (ONC)/Toowoomba
Semester 3 (WEB)/Toowoomba
Units 1.0 (Accounting) Band 3
Pre-requisite: 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 will be developed in the areas of Knowledge and Application skills. For example, students will prepare basic company accounting records required for a simulated consolidation of companies as a part of their assessment.

ACC3110 ACCOUNTING INFORMATION SYSTEMS (FEBA - UGRD)
Semester 2 (WEB)/Toowoomba
Semester 2 (ONC)(Spring) (WEB)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Accounting) Band 3
Pre-requisite: ACC1102 and CIS1000

This course takes a cost contracting approach to analysing accounting information systems, although other perspectives on firms and information systems are also examined. This course also examines the role of accounting information systems in monitoring and controlling corporate behaviour and agency relationships between 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 controls systems to mitigate against the threats induced by agency based relationships and threats of opportunism and uncontrolled action. 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 advantages in technologies such as the Internet and telecommunication. Students are taught how to "read out" these changes and to analyse them in an information systems context. It is expected that students will understand how accounting information systems operate to support the internal and external users of the firm. As a part of their learning, it is expected that students should be able to make best use of them. Since accounting information systems are at the heart of most business operations, these systems are developed and managed to meet the needs of the business environment.
ACC8003 ACCOUNTING INFORMATION SYSTEMS AND CONTROLS (FEBA - PGRD)
Semester 1 (WEB/Toowoomba) (ONC/Toowoomba)
Units 1.0 (Accounting) Band 3
Pre-requisite: ACC5202
This course is designed to enable students to acquire basic skills of financial statement analysis. Based on the Austrian Capitalization 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 on the development of practical skills. Financial statements are used extensively in decision-making. People use financial statements to help them make decisions about share trading and about making 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.

ACC8105 FINANCIAL STATEMENT ANALYSIS (FEBA - PGRD)
Semester 1 (ONC/Springfield (WEB)/Toowoomba) (WEB/Toowoomba) Units 1.0 (Bank, Retail, Fins & Risk Not class) Band 3
Pre-requisite: ACC5202
This course is designed to enable students to acquire basic skills of financial statement analysis. Based on the Austrian Capitalization 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 on the development of practical skills. Financial statements are used extensively in decision-making. People use financial statements to help them make decisions about share trading and about making 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.

ACC8001 CORPORATE GOVERNANCE AND SOCIAL RESPONSIBILITY (FEBA - PGRD)
Semester 2 (ONC/Toowoomba) (WEB/Toowoomba) Units 1.0 (Accounting) Band 3
Co-Requisite: ACC5216
This course is designed to provide students with general legal knowledge that covers the components of the corporate governance, ethical and moral obligations, and social responsibility issues, and the themes underpinning business sustainability and environmental, social and governance (ESG) integrated reporting.

ACC8002 STRATEGIC APPLICATIONS OF MANAGEMENT ACCOUNTING (FEBA - PGRD)
Semester 2 (ONC/Toowoomba) (WEB/Toowoomba) Units 1.0 (Accounting) Band 3
Pre-requisite: ACC5213
This course is designed to provide students with general legal knowledge that covers the components of the corporate governance, ethical and moral obligations, and social responsibility issues, and the themes underpinning business sustainability and environmental, social and governance (ESG) integrated reporting.

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 plan 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 undertake tasks related to self-management, including goal-setting, time management and planning. Learning in this course will prepare students for the transition 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 research project. Through the investigation of a current social issue, they will develop and practice using the academic literacies required to support academic research. Students will independently evaluate a wide range of information. Students will develop numeracy skills to use quantitatively tabulated data effectively. They will have the opportunity to work both independently and collaboratively to produce a range of tests suitable for use in the workplace. This course contains a mandatory residential school.

AGR2301 AGRICULTURAL SCIENCE (FHESC - UGRD)
Semester 2 (ONC/Toowoomba (WEB)/Toowoomba
Units 1.0 (Agriculture) Band 2
A knowledge of agricultural systems is important to professionals in earth and biological sciences, agriculture, environmental engineering and environmental engineering. This is an introductory course in agricultural plant morphology and physiology, grazing and cropping systems, animal production systems, integrated pest management, production economics and agricultural systems management. It also discusses the physical, economic and social constraints to land-use and agricultural production, the processes of land degradation, and the principles of property management and sustainable farming system management.

AGR2302 AGRICULTURAL MACHINERY (FHESC - UGRD)
Semester 1 (ONC/Toowoomba (WEB)/Toowoomba
Units 1.0 (EngTech not classifed) 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 the engineering principles and subsystems which underlie their operation. It develops the knowledge and skills necessary to analyse and predict machine performance, and to advise and assist farmers in the choice and efficient operation of a wide range of machinery. It also includes discussion of energy resources and uses in agriculture and recent research and developments in precision agriculture systems. This introductory course addresses the fundamentals of machinery systems, the design and testing of machinery systems, the design of machinery subsystems, their operational characteristics, the analysis of soil and water behaviour, and the design of machines to work with field crops and other machinery to show how the theory is related practical work.

AGR2302 FIELD PRACTICE (FHESC - UGRD)
Semester 3 (EXT)/Toowoomba
Units 0.0 (Environmental Studies not class) Band 2
Agricultural and Environmental Engineers engage in a practical study of the operation of rural industries and the environmental constraints and impacts associated with the industries. This residential student will provide students with an introduction to natural resource conservation and production management issues faced by a variety of rural enterprises. In particular, commercial examples will be presented to highlight the physical, economic and social constraints to rural industry development, environmental issues associated with the industry development, the processes of land degradation, and the principles of property management and sustainable land management.

AGR3303 AGRICULTURAL MATERIALS AND POST-HARVEST TECHNOLOGIES (FHESC - UGRD)
Semester 1 (ONC/Toowoomba (WEB)/Toowoomba
Units 1.0 (EngTech not classifed) Band 2
The handling, grading, storage, packaging and processing of agricultural produce are important parts of the agricultural production and distribution systems. Critical costs in excess of the value of agricultural products are associated with the field description and classification of soils. Laboratory analysis gives the information that is necessary to analyse and predict machine performance, and to advise and assist farmers in the choice and efficient operation of a wide range of machinery. This is an introductory course in agricultural plant morphology and physiology, grazing and cropping systems, animal production systems, integrated pest management, production economics and agricultural systems management. It also discusses the physical, economic and social constraints to land-use and agricultural production, the processes of land degradation, and the principles of property management and sustainable farming system management.

AGR3304 SOIL SCIENCE (FHESC - UGRD)
Semester 1 (WEB/Toowoomba (ONC)/Toowoomba
Units 1.0 (Soil Science) Band 2
A knowledge of soils as a resource in both natural and agricultural ecosystems is important to professionals in earth and biological sciences, agriculture, environmental engineering and environmental engineering. This introductory course focuses on soils as a medium for agriculture and integrated pest management, production economics and agricultural systems management. It also discusses the physical, economic and social constraints to land-use and agricultural production, the processes of land degradation, and the principles of property management and sustainable farming system management.

AGRS3305 PRECISION AND SMART TECHNOLOGIES IN AGRICULTURE (FHESC - UGRD)
Semester 1 (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (Agriculture) Band 2
Farmers have long recognized that variability exists within individual production units. Traditional practices dictate that producers treat the entire area the same. With the advent of the Global Positioning System (GPS) and Environmental Information Systems, it is now possible to vary the inputs in response to local conditions. Coupled with the capacity to monitor a variety of measurements, producers are now able to refine and optimize their production. This course is designed to provide students with an introduction to the essential principles of precision agriculture, including the use of; data collection, analysis and computer technology, as well as monitoring and managing biological processes through the use of central computer control systems.

AGRS3306 EMERGING TECHNOLOGIES IN AGRICULTURE (FHESC - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Agriculture) Band 2
This course begins by considering the historical effects of technological change on agriculture and on rural communities and the flow of effects to society as a whole. The contribution made to technological innovation by advances in our fundamental understanding of living and physical sciences is discussed. Innovations arising from advances in genetics, crop protection, food science, agricultural engineering and robotics, data collection and analysis, computer technology and other fields will be surveyed. Students will be exposed to the latest developments in the field.
angular sciences which have the potential for conflict in contemporary agriculture systems. Topics covered will include land availability and its relationship to crop growth, population and urbanization, agricultural imports and exports, biotechnological advancements in agriculture and other 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 (WEB/Toowoomba)
Units 1.0 (Nursing not classified) Band 4
Pre-requisite: Students must be enrolled in one of the following Programs: PDEV or HGSH or GDH1 or MOHH
This course contains three modules of study which together provide registered nurses with a detailed exploration of the context of rural and remote area practice including professional practice frameworks; an awareness of cultural safety principles, and an understanding of the primary health care and social justice approaches to rural and remote area health care delivery.

ANP5002 IMMUNISATION NURSING (FHESC - PGRD)
Semester 1 (EXT)/Toowoomba
Units 1.0 (Nursing not classified) Band 4
This course focuses on providing students with the knowledge and skills required for the management of immunisation programs for adults and children across a wide clinical spectrum. It offers registered nurses the opportunity to integrate and apply Health Management Protocols along with relevant immunisation theory to their clinical practice. Students will be required to undertake a minimum of six hours of supervised clinical practice at an approved Immunisation Clinic. On successful completion of this course students may be eligible to apply for authorisation to practice under the Immunisation Program Drug Therapy Protocol

ANP5003 EMERGENCY NURSING IN ISOLATED PRACTICE (FHESC - PGRD)
Semester 2 (EXT)/Toowoomba
Units 1.0 (Nursing not classified) Band 4
This course specifically focuses on emergency care of adults and children in isolated practice contexts. Within this context, advanced nursing skills are essential to ensure optimum outcomes for the clients. These skills ensure that advanced nursing practice knowledge to promote critical thinking and decision making in these complex and challenging situations. Students will be required to undertake a minimum of 30 hours of supervised clinical practice at an approved Emergency Department. On successful completion of this course students may be eligible to apply for authorisation to practice under the Emergency Department Drug Therapy Protocol

ANP5003 MANAGEMENT IN HEALTH CARE PRACTICE (FHESC - PGRD)
Semester 1 (WEB/Toowoomba)
Units 1.0 (Nursing not classified) Band 4
This Masters level course provides healthcare professionals with the opportunity to reflect on the leadership and management aspects of their work and apply theoretical knowledge to the realities of leadership and management practice in health care.

ANP5008 DIAGNOSTICS AND ASSESSMENT (FHESC - PGRD)
Semester 1 (WEB/Toowoomba)
Units 1.0 (Health not elsewhere classified) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: MNSG or PDEV or GDH1 or MOHH or HED801
This course is designed to introduce the registered nurse to the advanced nursing process of correlation of assessment data, diagnostic thinking and the based on evidence and to determine differential diagnoses related to scheduled medicine administration. Students will be required to undertake a minimum of 20 hours of supervised clinical practice for the purposes of observation and interpretation of health data and status, to validate the appropriate correlation with the scheduled medications.

ANP5009 PHARMACO KINETICS AND PHARMACOLOGY FOR SCHEDULED MEDICINES (FHESC - PGRD)
Semester 1 (WEB/Toowoomba)
Semester 2 (WEB/Toowoomba)
Units 1.0 (Health not elsewhere classified) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: MNSG or PDEV or GDH1 or MOHH or HED801
ANP8008
It is important that registered nurses working in isolated and independent clinical practice contexts understand the pharmaceutics and pharmacological applications of the approved scheduled medicines that they are authorized to obtain, supply and administer. This course will provide a foundation for the registered nurse, within their context of practice and in accordance with state and territory legislation within Australia that is supported by the relevant Drug Therapy Protocols, Chief Health Officer’s Standing Orders and Health Services Permits, to safely and competently obtain, supply and administer scheduled medication.

ANT1001 INTRODUCTION TO RURAL AND REMOTE NURSING PRACTICE (FHESC - PGRD)
Semester 2 (WEB/Toowoomba)
Units 1.0 (Health not elsewhere classified) Band 2
Pre-requisite: ANP8008 and students must be enrolled in one of the following Programs: GDH1 or MOHH or MNSG or PDEV
Co-requisite: ANP8009
Working in independent advanced nursing practice demands high level skills in critical reasoning and clinical decision making. The practitioners' 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 knowledge and competency domains in decision making to ensure safe and accountable practice.

ANT1001 WORLD ARCHAEOLOGY: AN INTRODUCTION (FBELA - UGRD)
Semester 2 (WEB/Toowoomba)
Units 1.0 (Anthropology) Band 1
This course examines our understanding of the biological and cultural evolution of our species. In order to do this, we consider how both simple and complex presentations underpin these advanced skills. This course facilitates the student to apply advanced nursing practice knowledge and competency domains in decision making to ensure safe and accountable practice.

ANT1002 CULTURE, RELIGION AND BELIEF (TBELA - UGRD)
Semester 1 (WEB/Toowoomba)
Units 1.0 (Anthropology) Band 1
Pre-requisite: ANT1001
This course presents a theoretical analysis of religion and belief as cultural phenomena. Through the study of diverse, local perspectives on human societies around the world with a focus on the capitalist system. Students are introduced to a wide range of anthropological concepts, theoretical frameworks and research methods. This course examines the historical and contemporary impact of the Nation State on small-scale indigenous peoples and their cultures around the world.

ANT1006 ETHNOGRAPHIC METHODS: MAKING ANTHROPOLOGY (FBELA - UGRD)
Semester 2 (WEB/Toowoomba)
Units 1.0 (Anthropology) Band 1
Pre-requisite: ANT1000
This course offers a theoretical analysis of religion and belief as cultural phenomena. Through the study of diverse, local perspectives on human societies around the world with a focus on the capitalist system. Students are introduced to a wide range of anthropological concepts, theoretical frameworks and research methods. This course examines the historical and contemporary impact of the Nation State on small-scale indigenous peoples and their cultures around the world.

ANT1008 ARCHAEOLOGICAL LABORATORY METHODS: ANALYSIS AND INTERPRETATION (FBELA - UGRD)
Semester 2 (WEB/Toowoomba)
Units 1.0 (Anthropology) Band 1
Pre-requisite: ANT1000
This course introduces students to laboratory methods in archaeology. Students will learn to use a range of laboratory tools and techniques for analyzing and interpreting archaeological materials. This course aims to provide a broad introduction to laboratory methods in archaeology.

ANT1009 HERITAGE AND MUSEUM STUDIES (FBELA - UGRD)
Semester 2 (WEB/Toowoomba)
Units 1.0 (Anthropology) Band 1
This course is designed to provide a broad introduction to the interdisciplinary field of heritage and museum studies. It examines the theoretical and practical aspects of heritage management, museum design, and community engagement. The course aims to provide a foundation in heritage, museums or environmental management to students of anthropology, archaeology, history, geography, tourism and other relevant disciplines.

ANT1009 ADVANCED CONTEMPORARY ANTHROPOLOGICAL THEORY (FBELA - UGRD)
Semester 2 (WEB/Toowoomba)
Units 2.0 (Anthropology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: RANK or MAST
This course aims to provide a more detailed and in-depth survey of the major anthropological theoretical approaches of the late 20th century and beyond. Drawing on the major works of key anthropologists, this course focuses on understanding the different perspectives of the development of theory in the discipline including, feminism, neo-Marxism, critical theory, post-structuralism, and post-colonialism. This course is required for all students in anthropology and anthropology students will complete an in-depth review of key anthropological theory and assessment in this course to develop the theoretical basis for their subsequent research and wider reading.
ANT4002 CONTEMPORARY ISSUES AND DEBATES IN ANTHROPOLOGY (FBEA - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Anthropology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: BAND or MAST.
This course examines central themes in contemporary anthropology, today including key debates such as the issues of whether anthropo-
logy is primarily an explanatory or interpretive enterprise, positivism and relativism, the nature of culture, and the relationship between anthropologists and the peoples they study. Case studies of important issues that have resulted in debate within the discipline will be examined.

AVN101 INTRODUCTION TO AVIATION (FBEA - UGRD)
Semester 1 (ONC)/Springfield
Units 1.0 (Business Mgt not classified) Band 3
Pre-requisite: AVN100
This course introduces students to the history of aviation and the development of aviation regulations. Students will learn the basic components of an aircraft and the fundamentals of flight mechanics. The course also explores leadership and teamwork and examines the role of aviation in the context of the global economy. Students will also be introduced to the concepts of safety management and the importance of maintaining a safe and efficient aviation system.

AVN2101 AIRPORT OPERATIONS AND MANAGEMENT (FBEA - UGRD)
Semester 1 (ONC)Springfield
Units 1.0 (Business Mgt not classified) Band 3
Pre-requisite: AVN100 or AVN102 and AVN104
This course introduces students to the operations and management of airport facilities. Students will learn about the various components of an airport, including the terminal, concourses, gates, and runways. The course also covers the principles of safety management and the importance of maintaining a safe and efficient airport system.

AVN5101 AVIATION MANAGEMENT (FBEA - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Business Mgt not classified) Band 3
Pre-requisite: AVN100 or AVN102
This course introduces students to the management of aviation organizations. Students will learn about the principles of leadership and teamwork, and the importance of maintaining a safe and efficient aviation system. The course also covers the principles of safety management and the importance of maintaining a safe and efficient aviation system.

AVN8103 MANAGING A SAFETY CULTURE IN THE AVIATION INDUSTRY (FBEA - UGRD)
Semester 1 (ONC)/Springfield
Units 1.0 (Business Mgt not classified) Band 3
Pre-requisite: AVN100 or AVN102
This course introduces students to the principles of safety management and the importance of maintaining a safe and efficient aviation system. The course also covers the principles of safety management and the importance of maintaining a safe and efficient aviation system.

AVN3107 SUPERVISED AVIATION RESEARCH PROJECT (PART 1) (FBEA - UGRD)
Semester 2 (ONC)/Springfield/Toowoomba
Units 1.0 (Business Mgt not classified) Band 3
Pre-requisite: AVN100
This course is designed to provide students with an opportunity to undertake an independent research project in the field of aviation. Students will work with a faculty supervisor to develop a research proposal, conduct research, and prepare a report of their findings. The course also covers the principles of safety management and the importance of maintaining a safe and efficient aviation system.

AVN2102 MANAGING THE AVIATION REGULATORY ENVIRONMENT (FBEA - UGRD)
Semester 1 (ONC)/Springfield/Toowoomba
Units 1.0 (Business Mgt not classified) Band 3
Pre-requisite: AVN100
This course introduces students to the principles of safety management and the importance of maintaining a safe and efficient aviation system. The course also covers the principles of safety management and the importance of maintaining a safe and efficient aviation system.

AVN3103 CONTEMPORARY ISSUES AND DEBATES IN ANTHROPOLOGY (FBEA - UGRD)
Semester 2 (ONC)/Springfield/Toowoomba
Units 1.0 (Business Mgt not classified) Band 3
Pre-requisite: AVN100
This course examines central themes in contemporary anthropology, today including key debates such as the issues of whether anthropo-
logy is primarily an explanatory or interpretive enterprise, positivism and relativism, the nature of culture, and the relationship between anthropologists and the peoples they study. Case studies of important issues that have resulted in debate within the discipline will be examined.

AVN3101 INTRODUCTION TO AVIATION BUSINESS (FBEA - UGRD)
Semester 2 (ONC)/Springfield
Units 1.0 (Business Mgt not classified) Band 3
Pre-requisite: AVN100
This course introduces students to the principles of safety management and the importance of maintaining a safe and efficient aviation system. The course also covers the principles of safety management and the importance of maintaining a safe and efficient aviation system.

CRICOS: QLD 00244B, NSW 02225M | TEQSA: PRV12081
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This course provides students with an opportunity to apply their specialist subject knowledge and academic skills in a practical situation in order to prepare them to work successfully in a clinical pathology laboratory environment. It allows students to improve their learning by the application of the theoretical concepts and skills and graduate skills developed into a clinical laboratory setting and within a team environment. It will encourage a reflective approach to the development of their workplace skills. It is envisioned that the work environment will enhance the student’s post-graduation employment prospects. Students intending to enrol in this course should communicate with the program coordinator well in advance of the first week of the semester in order for USQ Student Services to identify a suitable placement within a clinical pathology laboratory. The course is offered in Semester 1 at Toowoomba (ONC) or Toowoomba (WEB). Students who enrol in this course cannot request an exemption based on grounds of professional experience.

**Pre-requisite:** BIO2105

This course provides students with an opportunity to apply their specialist subject knowledge and academic skills in a practical situation in order to prepare them to work successfully in a clinical pathology laboratory environment. It allows students to improve their learning by the application of the theoretical concepts and skills and graduate skills developed into a clinical laboratory setting and within a team environment. It will encourage a reflective approach to the development of their workplace skills. It is envisioned that the work environment will enhance the student’s post-graduation employment prospects. Students intending to enrol in this course should communicate with the program coordinator well in advance of the first week of the semester in order for USQ Student Services to identify a suitable placement within a clinical pathology laboratory. The course is offered in Semester 1 at Toowoomba (ONC) or Toowoomba (WEB). Students who enrol in this course cannot request an exemption based on grounds of professional experience.

**Pre-requisite:** BIO2105

**Course:** BIO2119 HUMAN BIOCHEMISTRY 1

**FHEC - UGRD**

**Semester:** 1

**Location:** (WEB) Toowoomba (ONC) Toowoomba

**Units:** 1.0 (Biological Sciences) Band 2

**Pre-requisite:** CHE2120

Biochemistry is essentially the description of the life at the molecular level. 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 found in living organisms the metabolism of these compounds and control of metabolism, and focus on human metabolism. In the on-campus mode for this course, teaching content will be available on-line, whilst tutorials will be delivered on-campus as a 2-hour session per week.

**Pre-requisite:** CHE2120

This course provides students with an opportunity to obtain the fundamental practical and clinical skills necessary to support their work in a clinical laboratory environment. Candidates will augment their specialist subject knowledge and academic skills with practical and clinical skills. This course will provide a focus for learning by the application of the theoretical concepts and skills into a relevant laboratory setting. It is likely that students who enrol in this course will enhance the student’s post-graduation employment prospects.

**Pre-requisite:** BIO1101

This course is designed to inform a broad spectrum of students in plant science, wine science, biotechnology, ecology and education. The course examines essential processes in the life of plants: water uptake and transpiration; the nutrient requirements of plants; the effects of nutrient deficiencies; the transport of sugars; and other bioactive molecules within the plant; cell growth and development; the roles of plant hormones and the strategies adopted by plants to withstand environmental stresses. Attendance at the residential school is highly recommended for both on-campus and external students (non-attending will mean the student misses both an element for assessment preparation and an element of assessment).

**Pre-requisite:** BIO2105

This course provides students with an opportunity to apply their specialist subject knowledge and academic skills in a practical situation in order to prepare them to work successfully in a clinical pathology laboratory environment. It allows students to improve their learning by the application of the theoretical concepts and skills and graduate skills developed into a clinical laboratory setting and within a team environment. It will encourage a reflective approach to the development of their workplace skills. It is envisioned that the work environment will enhance the student’s post-graduation employment prospects. Students intending to enrol in this course should communicate with the program coordinator well in advance of the first week of the semester in order for USQ Student Services to identify a suitable placement within a clinical pathology laboratory. The course is offered in Semester 2 at Toowoomba (ONC) Toowoomba (WEB) Toowoomba (ONC) Toowoomba (WEB). Students who enrol in this course cannot request an exemption based on grounds of professional experience.

**Pre-requisite:** BIO1101

This course builds on the foundations obtained in course BIO103 Pathology Studies. The course explores the nature of common chronic disorders. The pathophysiology and clinical manifestations of blood disorders, together with an overview of therapeutic options will be investigated. The course will provide a solid background in the discipline so as to prepare candidates to undertake further advanced studies in haematology or to commence work in either a diagnostic or research setting.

**Pre-requisite:** BIO1103 and BIO1104

This course builds on the foundations obtained in course BIO103 Pathology Studies. The course explores the nature of common chronic disorders. The pathophysiology and clinical manifestations of blood disorders, together with an overview of therapeutic options will be investigated. The course will provide a solid background in the discipline so as to prepare candidates to undertake further advanced studies in haematology or to commence work in either a diagnostic or research setting.

**Pre-requisite:** BIO1103 and BIO1104

This course builds on the foundations obtained in course BIO103 Pathology Studies. The course explores the nature of common chronic disorders. The pathophysiology and clinical manifestations of blood disorders, together with an overview of therapeutic options will be investigated. The course will provide a solid background in the discipline so as to prepare candidates to undertake further advanced studies in haematology or to commence work in either a diagnostic or research setting.

**Pre-requisite:** BIO1103 and BIO1104

This course builds on the foundations obtained in course BIO103 Pathology Studies. The course explores the nature of common chronic disorders. The pathophysiology and clinical manifestations of blood disorders, together with an overview of therapeutic options will be investigated. The course will provide a solid background in the discipline so as to prepare candidates to undertake further advanced studies in haematology or to commence work in either a diagnostic or research setting.

**Pre-requisite:** BIO1103 and BIO1104

This version produced 12 Sep 2017.
Hance the student’s post-graduation employment prospects.

It is likely that the practical experience will en

will augment their specialised subject knowledge and academic skills

This course provides students with an opportunity to obtain fur

of mutations on gene expression are studied. Aspects of medical

Mendelian genetics and introduces complex genetic tracts and the

The course presents the scientific basis of heredity.

The course builds on the foundations obtained in course BIO2108 Haematology 1. The course provides the theoretical and pro

placement requirements and privacy. The Students will be provided

Pre-requisite: BIO3203 Co-requisite: BIO3201 and BIO3101

BIO3205

This course provides students with an opportunity to commence to apply their specialised subject knowledge and academic skills to a practical situation in order to prepare them to successfully work in a clinical pathology laboratory environment. It allows students to im

prove their learning by the application of theoretical concepts and skills theories and graduate skills developed into a clinical laboratory setting and within a team environment. It will encourage a reflective approach to the development of their workplace skills. It is envisioned that the work experience will enhance the student’s post-graduation employment prospects. Students intending to enrol in this course should communicate with the program coordinator well in advance of the first week of the semester in order for USQ Student Services to identify a suitable placement within a clinical pathology laboratory.

The course is offered in S2. Students who enrol in this course cannot

to identify a suitable placement within a clinical pathology laboratory.

Pre-requisite: BIO2220 or BIO2218 or BIO2216

BIO3203

This course further develops concepts provided in BIO2106 Medical Microbiology and Immunology 2. The course focuses on the nature,

BIO2218

This course builds on BIO2116 Human Physiology and Pharmacology 2 and BIO2217 Clinical Biochemistry and Laboratory Medicine. It al

This course builds on BIO2135 Human Physiology and Pharmacology 1 and BIO2136 Human Physiology and Pharmacology 2. This course will develop an understanding of the changes in functioning of the human body in disease states.

BIO3103

This course provides students with an opportunity to obtain the fundamental practical biomedical sciences skills necessary to support their activity in a working laboratory or research setting.

Pre-requisite: BIO3101

BIO2215

This course builds on BIO2117 Human Physiology and Pharmacology 1 and BIO2118 Human Physiology and Pharmacology 2. The course will develop an understanding of the changes in functioning of the human body in disease states.

BIO2102

This course is offered in two modules.

Pre-requisite: BIO2106 or BIO2218 or BIO2216

BIO3101

This course provides students with an opportunity to obtain the fundamental practical biomedical sciences skills necessary to support their activity in a working laboratory or research setting. This course will also provide information about safe practices in an anatomy/ histology laboratory.

BIO2217 TRANSFUSION SCIENCE (FHESC - UGRD)

Pre-requisite: BIO103 and BIO2108

This course builds on the foundations obtained in course BIO2106 Haematology 1. The course provides the theoretical and procedure foundations for performing various blood typing systems. The course also provides a sound foundation of the normal and adult disease, in which cross-matching and provision of blood and blood components are essential service. The student is also provided with the theore

BIO2216

This course builds on BIO2116 Human Physiology and Pharmacology 1 and BIO2117 Human Physiology and Pharmacology 2. The course will develop an understanding of the changes in functioning of the human body in disease states.

BIO3102

This course presents the scientific basis of heredity.

The course builds on the foundations obtained in course BIO2107 Haematology 1. There is a greater focus on the range of haematologic disorders which underlies the ability of the candidate to select appro

Pre-requisite: BIO3205

BIO3106

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 gynaecological and obstetric diseases in humans caused by non-disease. This course is aimed at enhancing the student’s understanding of bacterial pathogenesis at the molecular level. Areas of specific emphasis include the nature of bacterial virulence factors, antibacterial therapy and mechanisms of resistance, paradigms in microbe/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 res
This course is for students who have completed a basic course in cell and molecular biology. Drawing on this knowledge base, the course explores the nature of gene organization, replication, and expression in both prokaryotic and eukaryotic systems. Potential applications of recombinant DNA technology and bioinformatics in biotechnology and medicine are also discussed. This course also examines advanced aspects of cell structure, transport, and membrane functions that regulate cell function both on healthy and diseased states are also investigated, together with the regulatory mechanisms that control these processes. Students will gain experience in the development and application of conventional, in silico and molecular technologies for organizing, analysing and interpreting complex cellular functions and signalling data.

### BUS8102 MASTER OF BUSINESS RESEARCH PROJECT A (FBELA - PGRD)
Semester 1 (WEB)Toowoomba (ONC)Toowoomba Units 1.0 (Business Mgt not classified) Band 3 Co-requisite: RS38600 and RS88001
This is a one-semester course that contributes towards the Master of Business Research Thesis. The Dissertation comprises the research and writing of a dissertation (maximum of 40,000 words). 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 candidate’s work experience and interest; however it is recognised that the work of some candidates is not necessarily suited for that purpose and the Head of School and Faculty Research and Higher Degrees Committee then considers topics drawn from elsewhere if necessary. The dissertation will be a significant piece of independently conducted and written research. To successfully complete 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.

### CDS1010 COMMUNITY WELFARE AND DEVELOPMENT (FHESC - UGRD)
Semester 1 (EXT)Toowoomba Units 1.0 (Welfare Studies) Band 1

Human Relations and Communications is designed to develop the interpersonal skills necessary for cultivating and maintaining successful working relationships. Students are introduced to the theory and practice of interpersonal communication and relationship building. The course includes a grounding in active listening, interpersonal skills, group and team work, problem solving, equity and diversity issues, and personal development. This course contains a recommended residential study.
inc (PACFA).

The Bachelor of Human Services (counselling major) is fully accredited parameters of the course and will not be recognised or supported by students will focus on rights-based, anti-oppressive approaches to the design, development and delivery of human services.

CDS2002 FIELD PLACEMENT A (FHES - UGRD)
Semester 1 (WEB)Toowoomba Semester 2 (WEB)Toowoomba Units 2.0 (Counselling) Band 1 Pre-requisite: CDS2002 This course provides students with the opportunity to work in a supervised field experience setting with a representative of the community. The work plan and the clinical supervisor prior to starting. Failure to receive prior approval before starting 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 the practical experience can be found on the Bachelor of Human Services study site, on the main study site pages for Human Services students. The Bachelor of Human Services (counselling major) is fully accredited by the Psychotherapy and Counselling Association of Australia Inc (PACFA).

CDS2000 ETHICAL ISSUES AND HUMAN RIGHTS IN THE HUMAN SERVICES (FHES - UGRD)
Semester 1 (ONC) Brisbane (WEB)Toowoomba Units 1.0 (Welfare Studies) Band 1 This course introduces students to the main legal, ethical, and social justice responsibilities that are integral to work in government and non-government human service organisations located in the Social and Community Services Industry. While covering a range of ethical issues and professional issues, students will focus on rights-based, anti-oppressive approaches to the design, development and delivery of human services.

CDS3000 FIELD PLACEMENT B (FHES - UGRD)
Semester 1 (EXT)Toowoomba Semester 2 (EXT)Toowoomba Units 2.0 (Counselling) Band 1 Pre-requisite: CDS3002 This course provides students with the opportunity to work in a supervised field experience setting with a representative of the community. The work plan and the clinical supervisor prior to starting. Failure to receive prior approval before starting 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 the practical experience can be found on the Bachelor of Human Services study site, on the main study site pages for Human Services students. The Bachelor of Human Services (counselling major) is fully accredited by the Psychotherapy and Counselling Association of Australia Inc (PACFA).

CDS3001 ASSESSMENT AND REPORT WRITING IN COUNSELLING (FHES - UGRD)
Semester 2 (EXT)Toowoomba Units 1.0 (Counselling) Band 1 Different theories and therapeutic approaches to the assessment of clients will be covered in this course. The course will build on CDS3002 in teaching students how to apply different theories and therapeutic approaches to the assessment of clients. The course will build on CDS3002 in teaching students how to incorporate and interpret formal client feedback during assessment and treatment to prove client outcomes. Students will review common assessment tools. Students will learn how to write information appropriate for case notes and reports to meet professional and legal standards. This course will deal with confidentiality and the issues involved in the writing and storage of personal and statistical information about clients. This course contains a recommended residential school.

CDS3002 COUNSELLING THEORY AND PRACTICE (FHES - UGRD)
Semester 1 (EXT)Toowoomba Units 1.0 (Counselling) Band 1 Pre-requisite: CDS3002 or (PFSY1010 and PFSY1020) The course introduces students to core concepts in counselling and integrates these with a core transactional model of counselling. Students learn about various treatment philosophies and approaches to commonly presenting client issues. This course emphasises both personal and professional self-exploration and development. This course contains a recommended residential school.

CDS3004 COUNSELLING THEORY AND PRACTICE 2 (FHES - UGRD)
Semester 1 (EXT)Toowoomba Semester 2 (EXT)Toowoomba Units 1.0 (Counselling) Band 1 Pre-requisite: CDS3002 This course builds on Counselling Skills CDS3002 by training the students in two contrasting therapeutic models of counselling that have high flexibility and applicability. Students will learn a collaborative competency based approach to therapy (Solution oriented/Narrative therapy) and Motivational Interviewing. Both approaches are particularly well suited to the orientation of being client directed in counselling. Solution oriented therapy emphasises a modern way of working with clients, the Motivational Interviewing approach learns towards modernism and enables students to comfortably work in both contextual and medical model frameworks. This course contains a recent remodeled residential school.

CDS3005 COUNSELLING THEORY AND PRACTICE 3 (FHES - 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 non-directive and directive clinical supervision, develop skills for maintaining counselling effectiveness and personal resilience, and develop advanced understanding of ethical and legal guidelines and decision making processes relevant to the counselling and supervisory roles. This course contains a recommended residential school.

CHE1110 CHEMISTRY 1 (FHES - UGRD)
Semester 1 (EXT)Toowoomba (ONC)Toowoomba Unit 1.0 (Chemical Sciences not elsewhere) Band 2 Topics include atomic theory, formulas, valency, chemical equations, periodic table, chemical bonding and structure, chemical calculations, chemical reactions, thermodynamics, and acids and bases. This course has a graded laboratory component. For external students attending at the residential school is Highly Recommended (non-attendance will mean the student misses both an element of assessment preparation and an element of assessment).

CHE2120 CHEMISTRY 2 (FHES - UGRD)
Semester 2 (EXT)Toowoomba (ONC)Toowoomba Unit 1.0 (Chemical Sciences not elsewhere) Band 2 Pre-requisite: CHE1110

This course focuses on the design and implementation of relational databases and includes extensive exposure to Oracle SQL. Practical methods for data analysis, data modeling and database design are examined, coupled with study of the relational database model. The course builds applied skills in data modeling, normalisation, database design and the creation and management of database objects using Oracle SQL. The course operates within a framework that focuses on developing business problem-solving and communication skills. This course discusses the role of data in modern businesses and the database as a business tool. This course and CIS3010 together provide students with an extensive repository of the Oracle DBMS and the ability to communicate effectively contemporary systems design, analysis and implementation.
CIS3003 COMPONENT BASED SOFTWARE DEVELOPMENT (FHEC - UGRD)
Semester 2 (ONC) Toowoomba (EXT) Toowoomba
Units 1.0 (Information Systems not elsewhere) 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 workstations, intranets, and the internet application development. The course curriculum expands upon interface design concepts and practice to include Web interfaces, explores advanced database manipulation; uses object-oriented methodology; creates distributed applications and develop component based internet programming; explores integration of legacy applications with new technologies, and includes an introduction to mobile wireless services.

CIS3005 PRINCIPLES OF INFORMATION SECURITY (FBEA - UGRD)
Semester 2 (ONC) (Spring/CP) Toowoomba (ONC) Toowoomba Units 1.0 (Security Science) Band 2 Pre-requisite: CIS3003
Students study contemporary information security theory and practice in the context of threats and vulnerabilities that may exist in business systems and networks. Students will gain an understanding of security risks, the threats, the risks, and the countermeasures that can be implemented to ensure that the risks are managed at an acceptable level. Students will develop their skills and knowledge so that they can evaluate information security situations. They will be able to identify specific, and measurable, security and legal, privacy and other business requirements that may arise and be able to clearly communicate and propose recommendations to manage the risks. Students will be assessed on their understanding of key concepts of information security and their ability to apply and communicate effectively contemporary information security knowledge and skills to real world problems in the area of the final examination.

CIS3001 OBJECT-ORIENTED PROGRAMMING WITH JAVA (FHEC - UGRD)
Semester 1 (EXT) (Toowoomba) (ONC) Toowoomba Units 1.0 (Systems Analysis and Design) Band 2 Pre-requisite: CIS3003
This course introduces the fundamentals of object-oriented methodology (the OOP paradigm). It is a solid foundation for the development of practical business solutions in an object-oriented environment.

CIS3002 BUSINESS ANALYSIS (FBEA - UGRD)
Semester 1 (ONC) (Web) Toowoomba (ONC) Toowoomba Units 1.0 (Systems Analysis and Design) Band 2
Pre-requisite: CIS3002 or CIS2440
This course focuses on developing key Business Analysis skills using contemporary methodologies. Requirements analysis and design, specification, requirements management, project team management, and team communication skills are developed. The importance of effective requirements analysis is given due prominence. The course will enable students to understand the overall Systems Development Lifecycle. Agile methods and other contemporary approaches are also covered. Students will study models for requirements, as well as a range of tools and techniques. Students will learn about the importance of standards and how they may be used in their assessment tasks. Major trends and issues affecting business analysis and design in the business sector are also studied.

CIS3003 NETWORKS AND DISTRIBUTED SYSTEMS (FHEC - UGRD)
Semester 1 (Web) (Toowoomba) (ONC) 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 deep understanding of network concepts and the importance of network communication services. Knowledge in this course places students in a key position as on being able to present information in a manner that facilitates the transfer of information between business and telecommunication. The course expands upon knowledge of distributed system models and concepts by examining existing and emerging network communication technologies. As part of the course, participants are expected to combine network fundamentals and distributed systems covered in the course to provide tailored business solutions and analysis of emerging network topics (such as cloud computing, virtualisation, wireless technologies, fibre networks), including internets.

CIS3007 ENTERPRISE SOLUTIONS PROJECT (FHEC - UGRD)
Semester 2 (ONC) Toowoomba (Web/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 project. The project will need to be set extended and redesigned to meet the new objectives of the organisation. As in the real world situation, you will be at an unmanned status of completion with a list of improvements and additional capabilities required to be implemented. The students will be expected to organise themselves and their time in order to learn the technologies utilized prior to the project and to communicate effectively. The students will also be expected to develop a high level of understanding towards project management through development of implementation, project management, and completion. 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.

CIS3008 INFORMATION TECHNOLOGY SERVICE MANAGEMENT (FBEA - UGRD)
Semester 1 (ONC) Toowoomba (Web/Toowoomba)
Units 1.0 (Information Systems not elsewhere) Band 2
This course provides business and IT practitioners with the knowledge and skills necessary to operate effective business service management, good practice frameworks and reference models (e.g. the IT Infrastructure Library (ITIL), IT4IT, etc.). Students may also study (SODeC 2008) for as elective IT service management. The course also introduces the emergent approaches to IT service management and optimise the development and operation. Successful completion of this course prepares the student for a career in the ITSM business practice and they are skilled to undertake IT service management roles and be involved in implementation of contemporary IT service management good practice frameworks and standards. Case study analysis is used to evaluate the skills acquired in the course. teamwork, verbal and written communication skills are also emphasised as important for the student's skill and knowledge portfolio.

CIS3009 ENTERPRISE SYSTEMS IN PRACTICE (FBEA - UGRD)
Semester 2 (Web) (Toowoomba) (ONC) Toowoomba
Semester 3 (WEB) (Toowoomba)
Units 1.0 (Information Systems not elsewhere) Band 2
This course provides business, commerce and information technology practitioners with the opportunity to explore core information systems concepts, with the context of business and information technology, to enable effective business of business information systems as support tools within their profession. Participants will explore core areas of business information systems and will be able to develop a range of business information systems practical skills. Participants will also be introduced to contemporary information systems to appropriate audiences. Practitioners 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 have a computer and an understanding of technical research practices. Core skills learnt in this course will be retained for the remainder of subsequent courses in business, commerce and information systems.

CIS3100 BUSINESS AND PROJECT MANAGEMENT (FBEA - UGRD)
Semester 2 (ONC) (Spring/CP) Toowoomba (ONC) Toowoomba
Semester 3 (Web) (Toowoomba)
Units 1.0 (Information Systems) Band 2
Co-requisite: CIS5100
This course provides students 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 ethical issues associated with electronic commerce. Students will also obtain an understanding of payments systems, security and legal issues associated with electronic commerce. Students will be assessed on their understanding of key concepts and their ability to apply and communicate effectively contemporary information systems analysis and design methods and techniques to real world problems in the assignments.

CIS3011 INFORMATION SYSTEMS INDUSTRY PROJECT (FHEC - UGRD)
Semester 2 (Web) (Toowoomba) (ONC) Toowoomba
Units 1.0 (Information Systems not elsewhere) Band 2
Pre-requisite: CIS3002
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 integrating them into a major project. Each student will demonstrate a higher level of understanding towards project management through development of project management, and communication in project plans, 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 PROFESSIONAL SKILLS FOR INFORMATION SYSTEMS (FBEL- PGRD)
Semester 2 (ONC) (Spring/CP) Toowoomba (ONC) Toowoomba
Semester 3 (Web) (Toowoomba)
Units 1.0 (Information Systems) Band 2
Co-requisite: CIS5100
This course provides students 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 ethical issues associated with electronic commerce. Students will also obtain an understanding of payments systems, security and legal issues associated with electronic commerce. Students will be assessed on their understanding of key concepts and their ability to apply and communicate effectively contemporary information systems analysis and design methods and techniques to real world problems in the assignments.

CIS3200 PROFESSIONAL SKILLS FOR SYSTEMS ANALYSIS (FBEL - PGRD)
Semester 1 (ONC) (Spring/CP) Toowoomba (ONC) Toowoomba
Semester 3 (Web) (Toowoomba)
Units 1.0 (Information Systems) Band 2
Co-requisite: CIS5100
This course provides students 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 ethical issues associated with electronic commerce. Students will also obtain an understanding of payments systems, security and legal issues associated with electronic commerce. Students will be assessed on their understanding of key concepts and their ability to apply and communicate effectively contemporary information systems analysis and design methods and techniques to real world problems in the assignments.
This course focuses on developing key Business Analysis skills using contemporary methodologies. Requirements analysis and design specification methods are given detailed coverage and the issue of systems on emerging technologies is also considered. The importance of written and oral communication skills is given due prominence. The course also considers students to understand the overall Systems Development Lifecycle, Agile methods and other contemporary approaches to Systems Design Methodologies, as well as a range of tools and techniques. Students will learn about the importance of standards and will apply these in their assessment tasks. Major trends and issues affecting business analysis and design in the business sector are also studied.

CIS5008 MANAGEMENT OF INFORMATION TECHNOLOGY SERVICES (FBEA - PGRD)
Semester 1 (ONC) (Springfield (WEB) (Toowoomba) (ONC) Toowoomba Units 1.0 (Information Systems) Band 2
Co-requisite: CIS5100

This course provides business and IT practitioners with the knowledge of service management fundamentals, and process management including process modelling, measurement and improvement. It addresses practical knowledge of IT service management, good practice frameworks and reference models (e.g. the IT Infrastructure Library (ITIL), CobiT, etc.) as well as standards (e.g. ISO/IEC 20000) for effective IT service management. The course also explores the emerging importance of analytics that aim to achieve and optimise the IT service development and operation. Successful completion of this course prepares the participants with the knowledge and skills required to undertake and manage IT service roles and be involved in implementing innovative IT service management processes across organisations and standards. Case study analysis is used to evaluate the skills acquired and to show the practical application of the knowledge. These skills are also emphasised as important for the student's skill and knowledge development in the field. Students will have gained research skills and an understanding of ethical research practices.

CIS8000 GLOBAL INFORMATION SYSTEMS STRATEGY (FBEA - PGRD)
Semester 2 (ONC) (Springfield (WEB) (Toowoomba) (ONC) Toowoomba Units 1.0 (Information Systems) Band 2

This course focuses on the vital role of information systems in supporting an organisation’s key business processes and delivering decision making capabilities. The strategic implications of information systems will be analysed, and students will be introduced to the development, implementation, and maintenance of various types of information systems, with particular emphasis on systems relating to enterprise applications, customer relationship and supply chain management, execution of project management, knowledge management, and global systems. Students will further gain a foundational understanding of the underlying information technologies from the perspective of management and business strategy. The course will provide students with knowledge of the techniques used to support decision making in organisational real-life situations. Students will demonstrate their knowledge through projects that simulate real-world applications and systems.

CIS8004 ENTERPRISE PLANNING AND IMPLEMENTATION (FBEA - PGRD)
Semester 1 (Web) (Toowoomba) (ONC) Toowoomba Units 1.0 (Information Systems) Band 2

This course will cover a range of topics including enterprise planning and implementation along with strategic planning, business architecture, architecture, technology architecture, and strategic management. In order to reinforce the theoretical concepts, various innovative technologies and information systems are used as case studies so that the application of the business processes, systems, and implementation can be properly understood, leading to hands-on experience. This course introduces the building blocks of business systems within an information and communication technology (ICT) domain. Students will gain skills in determining their implementation value to enterprises. This is done using approaches for researching, analysing and synthesising them from sources ranging from academic to professional journals. Learners are expected to critically analyse and apply these skills to various innovative technologies and information systems to reinforce the theoretical concepts learned in the course. NOTE: Learners undertaking this course are expected to have the ability to research with an understanding of ethical research practices. Learners are also expected to critically analyse and solve problems arising in complex organisational real-life situations.

CIS8008 BUSINESS INTELLIGENCE (FBEA - PGRD)
Semester 1 (ONC) (Springfield (ONC) Toowoomba (ONC) Toowoomba Units 1.0 (Data Supporting Services) Band 2

This course provides students with a thorough understanding of theory, design, implementation of Business Intelligence systems in an organizational context of decision making that is evidence based for enhanced business performance. Students will develop a good understanding of data driven decision making, data warehousing and data architecture and how to apply business intelligence tools to analyse and present information to support improved decision making in organisations. Students will be assessed on their understanding of key concepts concerning the design, implementation and use of Business Intelligence systems and applications of Business Intelligence through data mining and data visualisation tools to help solve real-world business problems. The architecture, implementation, and practical use of Business Intelligence are considered in modern and real-time contexts.

CIS8009 MANAGEMENT OF BUSINESS TELECOMMUNICATIONS (FBEA - PGRD)
Semester 1 (ONC) (Springfield (ONC) Toowoomba (ONC) Toowoomba Units 1.0 (Networks and Communications) Band 2

This course covers some key issues for networks and management in the field of data communications and telecommunications, under three broad headings: enterprise digital infrastructure, using data communications and telecommunications for competitive gain, and the role of management in telecommunications planning. Students will gain a good understanding of contemporary networking infrastructure including network protocols, networking architecture, business applications and security. Students will identify and evaluate network architecture of existing organisations. Students will specify how the existing networking infrastructure can be improved and what business benefits can result. Students will also consider how the existing networking infrastructure can accommodate or be adapted for new and emerging technology trends. Students will be assessed on their understanding of contemporary networking infrastructure in organisations and their ability to develop network designs that address organisational challenges and opportunities.

CIS8010 INFORMATION SYSTEMS PROJECT MANAGEMENT (FBEA - PGRD)
Semester 2 (ONC) (Springfield (WEB) (Toowoomba) (ONC) Toowoomba Units 1.0 (Information Systems not Elsewhere) Band 2

The course introduces and reviews IS project management framework. Participants will learn about the IS management frameworks and the ten project management knowledge areas: project integration, scope, time, cost, quality, stakeholders, resource management, communications, risk and procurement management. The participants will also examine the importance of the project management lifecycle of initiation, planning, executing, controlling and closing. The course also facilitates a sound understanding of critical aspects of IS project management, project management and change management, and educates future IS managers on how to succeed. Students need to develop the skills and knowledge required to plan and implement IS projects in a business environment. NOTE: Learners undertaking this course are required to have the ability to research with an understanding of ethical research practices. Learners are also expected to critically analyse and solve problems arising in complex organisational real-life situations.
CIV2502 STRUCTURAL AND BUILDING TECHNOLOGY (FHESC - UGRD)
Semester 2 (ONC) (Springfield) (EXT) (Toowoomba) (ONC) (Toowoomba)
Units 1.0 (Structural Engineering) Band 2
Pre-requisite: ENGS1100 or ENG1100 or CIV1100 or CIV2103 or Students enrolled in Program: BENG or METC or GENG or GCNS or GENS or MENS
Design and construction personnel in all areas of employment are likely to be involved in both the design and construction. This includes concrete, structural steel and timber design and construction detailing. This course therefore seeks to introduce students to these commonly encountered areas of structural engineering and building technology. The course provides a broad overview of current building practice, embracing the structural, architectural and building services aspects. There is also a need to convey details via sketches and drawings as a necessary part of achieving a final result in engineering design.

CIV2503 STRUCTURAL DESIGN I (FHESC - UGRD)
Semester 2 (ONC) (Springfield) (EXT) (Toowoomba) (ONC) (Toowoomba)
Units 1.0 (FHESC - UGRD)
Pre-requisite: ENGS1100 and MECH2402 or (ENGS1100 and CIV1101 for students enrolled in Program: BENG or Metc) or Students must be enrolled in the following Program: GCEN
Structural design is concerned with buildings and other structures such as bridges. A structural design engineer is required to make decisions about how buildings and other structures will be built such that they will perform satisfactorily and will not rapidly deteriorate, deflect excessively in or the worst event, fail down. The design engineer makes decisions about the general arrangement of the structural members, the materials to be used, their size and how they are connected together. Structural designers make use of information on materials and construction processes together with various analytical techniques to assist them in making the correct decisions about how structures should be built. In pre-requisite courses students will have already acquired some of this knowledge. In particular they will have been introduced to the designers’ techniques to determine such things as bending moments, deflections and stresses. In this course they will revise, consolidate and extend these topics and use them to assist in the design of structures. The course concentrates on estimating the loads on which a structure may be required to carry, designing individual members in steel and timber. Specific code provisions applicable to design of timber and steel together with load estimation are discussed in detail in this course.

CIV2605 CONSTRUCTION ENGINEERING (FHESC - UGRD)
Semester 1 (ONC) (Springfield) (WEB) (Toowoomba) (ONC) (Toowoomba)
Units 1.0 (Construction Engineering) Band 2
Pre-requisite: MAT1500 or ENG1500 or ENM1500 or ENM1600 or ENM1600 or Students enrolled in Program: GCST or GCEN or MENS or METC or MEPR or GCNS or GDNS or MENS or Students must be enrolled in one of the following Programs: GCST or GCEN or MENS or METC or MEPR or GCNS or GDNS or MENS
The construction sector is a major part of the civil engineering, mining engineering and building industries. Construction projects range in size from the small (such as the construction of a swimming pool or a subdivision of the estate) to the very large (such as the construction of a hydro electric power scheme, a freeway system or a mine). Students will be introduced to structural analysis computer programs for students enrolled in Program: BENG or Metc and the more general finite element method. Modules 1 and 2 review the topics learnt in statics and stress analysis subjects. Module 2 deals with determination of deflections and reactions for locally determined beams. Module 3 introduces students to analysis of statically determinate structures by the force method. Module 4 introduces students to analysis of statically indeterminate structures by the displacement method. Module 5 introduces students to analysis of statically indeterminate structures by the stiffness method. Slope deflection method and moment distribution method, which fall under the general category of displacement method of analysis, are covered in modules 6. Modules 7 to 8 cover the stiffness method of analysis applicable to structures which may not be statically determinate. Slope deflection and moment distribution methods are covered in module 6. Modules 7 to 10 may be taken either as a part of the course or as a replacement for Modules 7 to 10. Alternatively, course 2 may be taken instead of Modules 7 to 10. This course provides an introduction to structural analysis and design. The course covers the essential topics of structural analysis and design techniques, construction management and concrete technology. The course introduces students to the design of road locations and the structural analysis and design of commonly used materials such as timber, concrete and steel. Students will be introduced to the use of various methods of analysis and design. The course provides an introduction to structural analysis and design techniques. Students will be introduced to the use of various methods of analysis and design. The course provides an introduction to structural analysis and design techniques. Students will be introduced to the use of various methods of analysis and design.
CIV3603 CONSTRUCTION METHODS (FHESC - UGRD)
Semester 2 (Toowoomba)
Units 1.0 (Construction Engineering) Band 2
This course covers the preliminary works and site establishment as well as the design and construction of structures. Students will gain knowledge of foundations and soil stabilisation techniques, the production and use of common construction materials and discusses some elements associated with the construction of major infrastructure facilities.

CIV3703 TRANSPORT ENGINEERING (FHESC - PGRD)
Semester 2 (Toowoomba)/Semester 2 (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 transport and traffic theory and analysis. The course content is concentrated in traffic flow theory; traffic incident analysis; traffic data collection and analysis; design, control and analysis of signalised intersections, arterial road design and level of service, introduction to the public transportation system, and strategies for transportation system management.

CIV3906 CIVIL MATERIALS PRACTICE (FHESC - UGRD)
Semester 3 (Toowoomba)
Units 0.0 (Transport Engineering) Band 2
Pre-requisite: CIV1003 or Students must be enrolled in one of the following programs: GCEN or BCNM or BCNH
This course will involve the student in an investigation of the range of materials commonly used in civil engineering. The characterisation of materials and the need for material parameters for design will be considered. Students will need to identify how laboratory and analytical techniques in the laboratory to establish materials properties. Presentation and interpretation of test results will also form an important part of the course.

CIV3907 CIVIL SYSTEMS PRACTICE (FHESC - UGRD)
Semester 3 (Toowoomba)
Units 0.0 (Transport Engineering) Band 2
Pre-requisite: CIV2002 or Students must be enrolled in one of the following Programs: GCEN or MENS or ENGR or ASME or GCNS or GCNM or BCNH or BCNM or BCNH
These days most engineering tasks require a 'system approach'. Knowledge, design skills, theory, equipment etc have to be combined in a systematic way to complete a complex task. This course introduces the student to the role adaptation and mitigation measures and possible response strategies for climate change. The course will commence with a review of global climate trends and variability. Access to the internet is required.

CIV4508 STRUCTURAL DESIGN II (FHESC - UGRD)
Semester 1 (Toowoomba)/Semester 2 (Toowoomba)
Units 0.5 (Civil Engineering) Band 2
Pre-requisite: CIV3505 and CIV3506 or Students must be enrolled in one of the following Programs: GCMC or MEC or MEPR or GCNS or GCNM or BCNH
This course is the second of a sequence on the mechanics of structures. The emphasis will be on the design principles and the elements of the beam and column design. It includes an introduction to the analysis and design of prestressed concrete elements. The course aims to provide an understanding of the design and analysis of reinforced concrete structures. The course aims to provide an understanding of the design and analysis of reinforced concrete structures. The course aims to provide an understanding of the design and analysis of reinforced concrete structures. The course aims to provide an understanding of the design and analysis of reinforced concrete structures. The course aims to provide an understanding of the design and analysis of reinforced concrete structures. The course aims to provide an understanding of the design and analysis of reinforced concrete structures.

CIV4908 CIVIL DESIGN PRACTICE (FHESC - UGRD)
Semester 2 (Toowoomba)
Units 0.5 (Civil Engineering) Band 2
Pre-requisite: CIV3408 or Students must be enrolled in one of the following Programs: GCEN or BCNM or BCNH
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 options of design requirements. Each team will be allotted a design team and presentation will be in the form of a preliminary design report to the client that will address the issues

CIV5704 ROAD AND STREET ENGINEERING (FHESC - PGRD)
Semester 2 (Toowoomba)
Units 1.0 (Transport Engineering) Band 2
This course introduces the theory, principles and techniques of traffic flow theory, traffic engineering, with an emphasis on traffic theory and analysis. The course content is concentrated in traffic flow theory; traffic incident analysis; traffic data collection and analysis; design, control and analysis of signalised intersections, arterial road design and level of service, introduction to the public transportation system, and strategies for transportation system management.

CIV5705 PAVEMENT DESIGN AND ANALYSIS (FHESC - PGRD)
Semester 1 (Toowoomba)/Semester 2 (Toowoomba)
Units 1.0 (Transport Engineering) Band 2
Pre-requisite: CIV2003 or Students must be enrolled in one of the following Programs: GCEN or GCNS or MENS or ASME or GCNM or BCNM
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 the post-graduate level. More advanced concepts are explored in the areas of pavement material characterisation, mechanistic pavement design, pavement evaluation and pavement maintenance.

CIV6801 CODE-BASED STRUCTURAL DESIGN (FHESC - PGRD)
Semester 1 (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 day to day 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 de tailed numerical working. Traditional design proficiency was the ability to perform such analysis. Nowadays codes and standards allow computer based analysis to be used. These days most engineering tasks require a ‘system approach’. Knowledge, design skills, theory, equipment etc have to be combined in a systematic way to complete a complex task. The course introduces the student to the role adaptation and mitigation measures and possible response strategies for climate change. The course will commence with a review of global climate trends and variability. Access to the internet is required.

CIV8002 ADVANCED PRESTRESSED CONCRETE (FHESC - PGRD)
Semester 2 (Toowoomba)
Units 1.0 (Structural Engineering) Band 2
Prestressed concrete is used extensively in bridges, multi-storey buildings and many other important parts of modern infrastructure. The inherent weakness of concrete in tension is offset by prestressing. Prestressed concrete is used extensively in bridges, multi-storey buildings and many other important parts of modern infrastructure. The inherent weakness of concrete in tension is offset by prestressing. This version produced 12 Sep 2017.CRICOS: QLD 00244G, NSW 02225M | TEQSA: PRV12081 © University of Southern Queensland

CIV8003 MECHANICS AND TECHNOLOGY OF FIBRE COMPOSITES (FHESC - PGRD)
Semester 1 (Toowoomba)
Units 1.0 (Structural Engineering) Band 2
Pre-requisite: CIV2006 or MEC2303 or Students must be enrolled in one of the following Programs: GCMC or MEC or MEPR or GCNS or GCNM or MENS or MEAN or ASME or BCNM or BCNH
Components and structures manufactured from fibre composites are increasingly being used in a variety of applications. Fibre composites have many desirable properties over conventional metallic materials including high corrosion resistance, high strength to weight ratios, and they can be easily optimised to suit any applied load. This course will be aimed at students who have completed the course on fibre reinforced plastics I. The course introduces the student to the role adaptation and mitigation measures and possible response strategies for climate change. The course will commence with a review of global climate trends and variability. Access to the internet is required.

CL1110 WEATHER AND CLIMATE (FHESC - UGRD)
Semester 1 (Toowoomba)/Semester 2 (Toowoomba)
Units 1.0 (Atmospheric Sciences) Band 2
This course is an introductory level course that introduces participants to the weather and climate systems of the world, outlining the global and regional processes down to the synoptic scale. The course introduces the design of climate models ranging from simple energy balance models to complex climate system models, insight is provided into the phenomena of climate change and variability and past climates of the planet on regional and global scales are investigated. The course includes hands-on activities to achieve the aims of the course.

CL1201 CLIMATE CHANGE AND VARIABILITY (FHESC - UGRD)
Semester 2 (Toowoomba)
Units 1.0 (Atmospheric Sciences) Band 2
This course is an introductory level course that introduces participants to the weather and climate systems of the world, outlining the global and regional processes down to the synoptic scale. The course introduces the design of climate models ranging from simple energy balance models to complex climate system models, insight is provided into the phenomena of climate change and variability and past climates of the planet on regional and global scales are investigated. The course includes hands-on activities to achieve the aims of the course.

CL1301 CLIMATE AND ENVIRONMENTAL RISK MANAGEMENT (FHESC - UGRD)
Semester 2 (Toowoomba)
Units 1.0 (Atmospheric Sciences) Band 2
This course is an introductory level course that introduces participants to the weather and climate systems of the world, outlining the global and regional processes down to the synoptic scale. The course introduces the design of climate models ranging from simple energy balance models to complex climate system models, insight is provided into the phenomena of climate change and variability and past climates of the planet on regional and global scales are investigated. The course includes hands-on activities to achieve the aims of the course.

CL1302 ADAPTATION TO CLIMATE CHANGE (FHESC - UGRD)
Semester 2 (Toowoomba)/Semester 2 (Toowoomba)
Units 1.0 (Atmospheric Sciences) Band 2
This course is an introductory level course that introduces participants to the weather and climate systems of the world, outlining the global and regional processes down to the synoptic scale. The course introduces the design of climate models ranging from simple energy balance models to complex climate system models, insight is provided into the phenomena of climate change and variability and past climates of the planet on regional and global scales are investigated. The course includes hands-on activities to achieve the aims of the course.

CL8001 CLIMATE RISK (FHESC - PGRD)
Semester 2 (Toowoomba)
Units 1.0 (Atmospheric Sciences) Band 2
This course is an introductory level course that introduces participants to the weather and climate systems of the world, outlining the global and regional processes down to the synoptic scale. The course introduces the design of climate models ranging from simple energy balance models to complex climate system models, insight is provided into the phenomena of climate change and variability and past climates of the planet on regional and global scales are investigated. The course includes hands-on activities to achieve the aims of the course.

CIV8004 ADVANCED DESIGN PRACTICE USING FINITE ELEMENT ANALYSIS (FHESC - PGRD)
Semester 2 (Toowoomba)
Units 1.0 (Engineering Design) Band 2
This course is concerned with the mechanics of "driving" an FEAP. It involves using a FEAP sub-package to develop a more sophisticated qualitative understanding of structural phenomena, and using quantitative FE analysis to evaluate the structural design of components where code methods are not directly applicable. A considerable emphasis is placed on using FEAP to consolidate understanding 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 plates and shells.
are constructed in Australia providing knowledge on methods of

METHODS, MATERIALS AND MANAGEMENT

CMG1002 RESIDENTIAL CONSTRUCTION:
to have a basic understanding of problem solving approaches and

important, therefore, that the graduate construction professional has

The planning, construction and operation of built environment works

CONSTRUCTION MANAGEMENT AND THE

of the Government Economic Service and former World Bank Chief

the sustainability concept, Carbon Emission trading strategies, Na

This course is focused on policy communicating international, national

and extreme weather events. The content of this course is delivered

The mission of this course is for students to develop effective communication skills to succeed as learners in their higher education studies and as nursing professionals. This course presents an introduction to the nursing discipline and future professional nursing settings. In this course, students reflect on and develop their communication skills and the dynamics of interpersonal and group communication will be explored. Students will also gain the written, verbal and personal transferable skills essential to their role in a rapidly changing environment.

CMSG1008 BUILDING PROFESSIONAL NURSING ATTRIBUTES A

building and civil) in

This course focuses on estimating and measurement in depth includ

This course seeks to develop the skills to effectively procure and control

The course outlines the principles of modern civil engineering and

building construction management, and develops skills in the

of the environment. The important global data sets of the physical environment are introduced and key processes within the ocean and atmosphere, and the physical pro

the composition of the natural environment. The important global

of the course includes the Framework Convention on Climate Change (FCCC) leading to the Kyoto protocol, the Intergovernmental Panel on Climate Change (IPCC) process, the responses to climate change and policies developed by state and federal government, and introduces practical approaches of using climate information to drive policy making. It reviews the history of the sustainability concept, Carbon Emission trading strategies, National Climate Change Adaptation Policy, the recent reports by the Australian economists Ross Garnaut and Lord Stern, the former Head of the Government Economic Service and former World Bank Chief Economist Stern.

CMG1001 INTRODUCTION TO CONSTRUCTION MANAGEMENT AND THE BUILDING ENVIRONMENT (FHEC - UGRD)

Semester 2 (ONY)/Toowoomba

Units 1.0 (Building Construction Management) Band 2

The planning, construction and operation of built environment works is crucial in any living societies within the modern world. It is important, therefore, that the graduate construction professional has a broad understanding of the nature and scope of construction work within the built environment. Students of this course will be assumed to have a basic understanding of problem solving approaches and technical drafting skills (including CAD).

CMG1002 RESIDENTIAL CONSTRUCTION: METHODS, MATERIALS AND MANAGEMENT (FHEC - UGRD)

Semester 2 (ONY)/Springleaf (WEB)/Toowoomba

Units 1.0 (Building not elsewhere classed) 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 variety of videos on main Australian residential construction projects.

CMG20011 JOB ORGANISATION (FHEC - UGRD)

Semester 2 (ONG)/Springleaf (WEB)/Toowoomba

Units 1.0 (Building Construction Management) Band 2

The course outlines the principles of modern civil engineering and building construction management, and develops skills in the delineation of quantities, the preparation of construction estimates and the preparation of construction programmes. Aspects of contract super vision are examined, including the use of the Australian Standard General Conditions of Contract. The on-site supervision of construction work is covered, including the aspects of job safety and industrial relations.

CMG2002 COST MANAGEMENT: ESTIMATING, MEASUREMENT AND COST CONTROL (FHEC - UGRD)

Semester 1 (ONG)/Springleaf (WEB)/Toowoomba

Units 1.0 (Building Construction Management) Band 2

Pre-requisite: CMG1001 and ENG1100

This course focuses on estimating and measurement in depth includin

The course concludes with a brief review of successful policy development and application guided by scientific knowledge. The course requires the student to have access to the internet.

CMG3001 BUILDING AND CONSTRUCTION PROCUREMENT (FHEC - UGRD)

Semester 2 (ONG)/Springleaf (WEB)/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 cost in construction and building works. This course seeks to develop the skills to effectively procure and control construction projects. Students of this course will be assumed to have a basic understanding and proficiency with contract law, construction management and mathematics.

CMG3003 BUILDING SERVICES: METHODS, MATERIALS AND MANAGEMENT (FHEC - UGRD)

Semester 1 (ONG)/Springleaf (WEB)/Toowoomba

Units 1.0 (Transport Engineering) Band 2

Pre-requisite: CMG1001 and CMG2001 or Students must be enrolled in the following Program MEPR.

This course will cover knowledge related to reticulated services - water, power, gas, sewerage, telecom/data, drainage, vertical transp ortation (lifts and escalators), HVAC, BMS, lighting-audiences, their 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 sub-division development. Additionally, both the materials used and management strategies adopted will be covered.

CMG4001 CONSTRUCTION MANAGEMENT PRACTICE (FHEC - UGRD)

Semester 2 (EXT)/Toowoomba

Units 0.0 (Structural Engineering) Band 2

Pre-requisite: CMG4001

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 time. This is an exciting course where, at all times, a wide range of business and operational issues will be planned, including: the links between business strategy and opera tion and finance; the subtle differences in responsibilities of different functional areas of the business, such as finance, marketing, sales and operations; identifying key performance indicators; and the relationship between performance and cost management (KPIs). Students will be invited to hear from professionals from media industries. During the course, where possible and applicable, students will be invited to hear from professionals from media industries. Where possible and applicable, students will be
This version produced 12 Sep 2017. CRICOS: QLD 00244B, NSW 02225M | TEQSA: PRV12081 © University of Southern Queensland
Pre-requisite: Students must be enrolled in one of the following Programs: GCO or GDN or MCO or PDEV

This course is designed to help students develop professional and clinical skill within a supervised agency setting. The field experience, along with seminars and assessments, is designed to integrate theory with practice. Students will develop a range of counselling skills, including education and organizational skills. Further, the practicum will focus on building cross-cultural competencies. A member of the academic staff will be selected to coordinate and evaluate the project. IMPORTANT NOTE: Working with Children: State law in Queensland requires that all adults (including university students in industry placement) working with children under the age of 16, be the State of Queensland current a Blue Card. For further information: http://www.uss.edu.au/currentstudents/assessment/professional-experience/blue-card/ If you are undertaking practical experience with children under 16 years of age you must be cleared for work with children and have a Blue Card. If you need help with this process, please contact your program director or academic advisor. All students are required to have a current ‘Blue Card’. For further information:

Pre-requisite: Students must be enrolled in one of the following Programs: GCO or GDN or MCO or PDEV

This course covers counselling processes and practices. It includes a specific focus on practical skills, based on counselling theory. The skills specifically addressed are those used in the State of Queensland. Students will be expected to learn and apply the basic concepts of object-oriented programming, awareness of how computers impact upon society, such as ethics and privacy. Students will be expected to pursue high quality documents. In addition to practical skills, students will learn about fundamental computer concepts and the role of computer systems in society. Issues involving awareness of how computers impact upon society, such as ethics and privacy, will also be covered. Students must have access to the Internet.

Pre-requisite: Students must be enrolled in one of the following Programs: GCO or GDN or MCO or PDEV

This course covers the design and implementation of computer operating systems. The major components of operating systems, including system management, memory management and file systems are covered. 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 OS/2) and operating languages.

Pre-requisite: Students must be enrolled in one of the following Programs: GCO or GDN or MCO or PDEV

This course covers foundational programming knowledge (including language syntax and facilities) as well as strategies which allow programmers to apply such knowledge to solve programming problems. Students will learn to analyse and comprehend existing programs and create solutions to problems by generating programs which apply programming strategies covered in the course.

Pre-requisite: Students must be enrolled in one of the following Programs: GCO or GDN or MCO or PDEV

This course is designed to help students develop professional and clinical skill within a supervised agency setting. The field experience, along with seminars and assessments, is designed to integrate theory with practice. Students will develop a range of counselling skills, including education and organizational skills. Further, the practicum will focus on building cross-cultural competencies. A member of the academic staff will be selected to coordinate and evaluate the project. IMPORTANT NOTE: Working with Children: State law in Queensland requires that all adults (including university students in industry placement) working with children under the age of 16, be the State of Queensland current a Blue Card. For further information: http://www.uss.edu.au/currentstudents/assessment/professional-experience/blue-card/ If you are undertaking practical experience with children under 16 years of age you must be cleared for work with children and have a Blue Card. If you need help with this process, please contact your program director or academic advisor. All students are required to have a current ‘Blue Card’. For further information:

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CS8604 DATA MINING (FHEC - PGRD)
Semester 1 (WEB) (OnC) /Toowoomba
Units 1.0 (Computer Science not elsewhere) Band 2
Pre-requisite: STA3200 and CS1410
Data mining aims at finding useful patterns or regularities in large datasets. This course covers data management and science. This course covers the main data mining methods, including clustering, classification, regression, and association rules. The methods are developed and applied to various data sets.

CS8407 WIRELESS AND INTERNET TECHNOLOGY (FHEC - PGRD)
Semester 1 (EXT) (Toowoomba) / (OnC) /Toowoomba
Units 1.0 (Computer Science not elsewhere) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: MOPP or MICT or MCIT or MESS or MENC or MRO or MEPR or MENS or METC or MSST or MCTN
The first topic in the course is quality of service in the Internet, with particular emphasis on AQM such as Random Early Discard (RED), and also the DiffServ Internet standard for managing quality of service. Students will use the NS3 simulator (via the Ns4.1 system) to gain an understanding of these topics. The second topic treated is wireless communication as used in GPRS and CDMA mobile phones and the 802.11 standard for wireless LANs. The third and last major topic is the optical network of optical switches, including band multiplexing, design of robust networks taking into account the WDM and Optical Transport Network (OTN) network layers. The assessment for the course is two major assignments. Note that students who have completed CSC3420 Wireless and Internet Technology may not enrol in this course.

CS8410 INDEPENDENT STUDIES IN COMPUTING/MATHEMATICS/STATISTICS A (FHEC - PGRD)
Semester 1 (OnC) /Toowoomba
Units 1.0 (Computer Science not elsewhere) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: MOPP or MICT or MCIT or MESS or MENC or MRO or MEPR or MENS or METC or MSST or MCTN
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 supervised investigations extending knowledge and skills in a certain area. The studies could involve, for example, directed readings, extension of the project or a larger project. In this case, the overall structure of the two courses may work with an employer to undertake a larger project. In such cases, approval for the proposed studies must be sought from the Department Postgraduate Coordinator.

CS8411 INDEPENDENT STUDIES IN COMPUTING/MATHEMATICS/STATISTICS B (FHEC - PGRD)
Semester 2 (OnC) /Toowoomba
Units 1.0 (Computer Science not elsewhere) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: MOPP or MICT or MCIT or MESS or MENC or MRO or MEPR or MENS or METC or MSST or MCTN
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 supervised investigations extending knowledge and skills in a certain area. The studies could involve, for example, directed readings, extension of a project (where appropriate), or some other approved activity which would complement the student's studies in the program. It is also envisaged that this course could offer an extended version of an existing course already offered at Level 4. Enrolment in this course is only available to students in Masters and some other Postgraduate programs and such enrolment requires the permission of the Department Postgraduate and Research Coordinator. Students must discuss their enrolment in this course with their Program Coordinator before enrolling.

CS8415 COMPUTER NETWORK PROGRAMMING (FHEC - PGRD)
Semester 2 (WEB) /Toowoomba (OnC) /Toowoomba
Units 1.0 (Computer Science not elsewhere) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: MOPP or MICT or MCIT or MESS or MENC or MRO or MEPR or MENS or METC or MSST or MCTN
This course addresses development of network applications and software engineering on the server side, and utilising JTATP software. The last topics of the course are server-side scripting languages, HTML, and the Apache server. 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 supervised investigations extending knowledge and skills in a certain area. The studies could involve, for example, directed readings, extension of a project (where appropriate), or some other approved activity which would complement the student's studies in the program. It is also envisaged that this course could offer an extended version of an existing course already offered at Level 4. Enrolment in this course is only available to students in Masters and some other Postgraduate programs and such enrolment requires the permission of the Department Postgraduate and Research Coordinator.

CS8416 ADVANCED PROGRAMMING IN JAVA (FHEC - PGRD)
Semester 1 (OnC) /Toowoomba (WEB) /Toowoomba
Units 1.0 (Programming) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: MOPP or MICT or MCIT or MESS or MENC or MRO or MEPR or MENS or METC or MSST or MCTN
This course covers object-oriented programming in Java, and the characteristics of the Java programming language. The language features such as 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 network programming and client/server and Remote Method Invocation (RMI) as well as Java Database Connection (JDBC) are introduced with an executable example.

CS8419 CRYPTOGRAPHY AND SECURITY (FHEC - PGRD)
Semester 1 (OnC) /Toowoomba (WEB) /Toowoomba
Units 1.0 (Networks and Communications) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: MOPP or MICT or MCIT or MESS or MENC or MRO or MEPR or MENS or METC or MSST or MCTN
This course gives a broad overview of methods of implementing secure services based on cryptography in today's communication networks. Topics to be covered include the fundamentals of conventional network cryptography and its application to network services, such as confidentiality, integrity, non-repudiation, and authentication. We show new ideas in cryptography, such as public key cryptography and zero-knowledge protocols to permit efficient solutions to the provable-safety of digital signatures, electronic key exchange, and access control. We analyse the security of symmetric key cryptosystems and their implementation and discuss the best known cryptanalytical techniques used to break security systems. We analyse the most popular providers of cryptography on the Internet, including systems for electronic mail protection, secure WWW, and electronic payment protocols. We discuss the ongoing work on the development of American and international standards for secure communications and present the most recent research trends in cryptography.

CS8420 MOBILE SYSTEMS (FHEC - PGRD)
Semester 2 (OnC) /Toowoomba (WEB) /Toowoomba
Units 1.0 (Systems Analysis and Design) Band 2
Pre-requisite: Students must be enrolled in one of the following Programs: MOPP or MICT or MCIT or MESS or MENC or MRO or MEPR or MENS or METC or MSST or MCTN
This course has two major components, split over four modules. Module 1 to 3 focus on theoretical aspects related to mobile devices: their operating systems, hardware, and user interface constraints. These topics are treated in a generic manner, comparing and contrasting the various mobile devices and systems available today. The overall structure of the two courses may be able to select specific modules from CSC8409 to provide the opportunity to undertake a larger project. In this case, the overall structure of the two courses is similar to one course, but twice as long. This course may also be used as an extension of existing undergraduate courses in areas where a student undertaking an Honours or Masters program wishes to undertake studies in this area. In such cases, approval for the proposed studies must be sought from the Department Postgraduate Coordinator.

CS8422 WEB DATA VISUALISATION (FHEC - PGRD)
Semester 1 (OnC) /Toowoomba (WEB) /Toowoomba
Units 1.0 (Information Technology not elsewhere) Band 2
The purpose of the course is to enable students to gain experience in developing interactive web applications using web technologies. This course builds on existing web development skills, especially JavaScript programming. To support the practical component of the project, students will learn basic skills in interactive web data analysis in order to gain understanding of the problem domain and create a story that can be visualised. The course covers overview of visual perception and design then provides a basis for making key decisions on the visual presentation of data. The appropriate use of existing visualisation techniques ranging from tables and graphs to complex 3D animations is further build on understanding what makes a solution effective. Finally, the dimension of interactivity is added to raise skills to the current state-of-the-art.
CSC8503 PRINCIPLES OF PROGRAMMING LANGUAGES (FHESC - PGRD)
Semester 1 (WEB) (Toowoomba) (ONC) (Toowoomba)
Units 1.0 (Networks and Communications) Band 2
Pre-requisite: CSC2402 or enrolled in one of the following Programs: GTDT or GCSC or MCTN

This course introduces the basic principles of programming languages. It emphasizes the structure and the semantics of programming languages. It covers the major elements of languages such as types, objects, names, scopes, expressions, functions, procedures, parameters, control structures and run-time storage management.

CSC8600 ADVANCED ICP PROFESSIONAL PROJECT (FHESC - PGRD)
Semester 1 (ONC) (Toowoomba) (WEB) (Toowoomba)
Semester 2 (ONC) (Toowoomba) (WEB) (Toowoomba)
Units 1.0 (Information Technology not etc) Band 2
Pre-requisite: CSC8500 and Students must be enrolled in one of the following Programs: GTDT or GCSC or MCTN or MOPCP or MScN (Applied Data Science)

The course aims to provide students with a simulated real-world on environment, in which students would demonstrate authority and expert judgement as a member of a team to operate and apply established theories to an ICT related problem. A key focus is to help students to gain integrated understanding of the characteristics of an efficient team work. The course also helps students to foster their creativity and to practice independent analysis and reflect on complex problems solving and communication skills.

CWR1001 WRITING GOOD PROSE (FBELA - UGRD)
Semester 1 (ONC) (Toowoomba) (WEB) (Toowoomba)
Units 1.0 (Written Communication) Band 1
Pre-requisite: Students must be enrolled in the following Program: GDTI or GCSC or MCTN

Writing effective prose is an essential skill for all students, as well as for professional activities in a wide range of fields. This course provides you with an introduction to the fundamentals of expression in written language. This unit will ensure that at the end of the first semester of your first year you have the necessary writing skills to complete a range of writing tasks, including typical assessment tasks such as essays, at a high standard.

CWR1002 WRITING ABOUT PEOPLE (FBELA - UGRD)
Semester 2 (ONC) (Toowoomba) (WEB) (Toowoomba)
Units 1.0 (Written Communication) Band 1

The writing we produce is most often about people, whether that writing takes the form of creative works (like short stories, novels, poems, or works of non-fiction, such as biographies and profiles). This course provides you with an introduction to a range of techniques for producing engaging 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 focus in the course is on demonstrating your awareness of the relationship between the writer and the marketplace.

CWR2001 FAIRTALES AND OTHER FORMS (FBELA - UGRD)
Semester 1 (WEB) (Toowoomba) (ONC) (Toowoomba)
Units 1.0 (Written Communication) Band 1
Pre-requisite: CWR1002

This course will equip students with a range of skills required in the workplace, and in professional writing practice, including interpreting and responding to market demands, meeting deadlines, and writing to purpose. Through close study of a suite of folk and fairy tales, this course will equip students with a deep understanding of how writers draw on traditional forms to create dynamic and engaging contemporary works of fiction. The course is designed to help you develop the dynamic relationship between reading the works of other writers, and developing personal writing skills and techniques. During the course, students will learn how to write folk and fairy tales. Students will examine a range of traditional tales - including works collected by the Brothers Grimm, tales written by Hans Christian Andersen, and tales from the French contes de fée tradition - as well as contemporary retellings and original works. Students’ own original or retold fairy tales will draw on this rich tradition.

CWR2002 WRITING ABOUT PLACE (FBELA - UGRD)
Semester 2 (ONC) (Toowoomba) (WEB) (Toowoomba)
Units 1.0 (Written Communication) Band 1
Pre-requisite: CWR1002

This course will equip students with a range of skills required in the workplace, and in professional writing practice, including interpreting and responding to market demands, meeting deadlines, and writing to purpose. Through close study of a suite of folk and fairy tales, this course will equip students with a deep understanding of how writers draw on traditional forms to create dynamic and engaging contemporary works of fiction. The course is designed to help you develop the dynamic relationship between reading the works of other writers, and developing personal writing skills and techniques. During the course, students will learn how to write folk and fairy tales. Students will examine a range of traditional tales - including works collected by the Brothers Grimm, tales written by Hans Christian Andersen, and tales from the French contes de fée tradition - as well as contemporary retellings and original works. Students’ own original or retold fairy tales will draw on this rich tradition.

CWR3001 WRITING SPECATULATIVE FICTION (FBELA - UGRD)
Semester 1 (WEB) (Toowoomba)
Units 1.0 (Communication and Media Studies) Band 1
Pre-requisite: CWR1001 Writing Good Prose and CWR2001 Fairytales and Other Forms

Speculative fiction extends readers understanding of themselves and the world in which they live through imagining different worlds or situations that are better (or worse), brighter (or darker) and stranger than our own. Works of speculative fiction hold a mirror up to our world, confronting and warning our assumptions about race, class, and gender, but also reflecting and subverting various ways of knowing or describing the world. Inviting us to question our settled ideas about science and scientific enquiry, for example, or about faith and religion, language, light and even what it is to be alive (or dead). In this course, you will explore the genre of speculative fiction: a collective term for a range of different types of genre fiction that includes (but is not limited to) science fiction, fantasy, horror and all narrative fiction that is classified as speculative fiction. You will read and write speculative fiction, focusing on short fiction, as well as engaging with contemporary debates within the vibrant, noisy and hugely energetic SF-FF (Science Fiction, Fantasy, Horror) community. During the course, you will be guided through the process of researching, pitching, writing and editing works of short fiction and non-fiction suitable for publication in professional speculative fiction markets.

CWR3002 POETRY AND POETICS (FBELA - UGRD)
Semester 2 (ONC) (Toowoomba) (WEB) (Toowoomba)
Units 1.0 (Written Communication) Band 1

This third year course immerses students in a close study of poetry and poetics, that is, in a deep study of how various textual strategies or devices create meaningful effects on our understanding and reception of poetry. Students will develop a deep understanding of how sound, sense and structure work together in creating a unique voice, on a line, as well as across a range of techniques and forms, and produce writing across a wide range of genres and forms. The aim of developing a deep and critical understanding of, and appreciation for, their own, voice.

CWR3003 BOOK CULTURE: THE PUBLIC LIFE OF WRITERS (FBELA - UGRD)
Semester 1 (WEB) (Toowoomba) (ONC) (Toowoomba)
Units 1.0 (Written Communication) Band 1

This third year course introduces students to a wide range of essential professional skills for contemporary writers. These skills include participating in critical friendships, publically discussing their work, performing their work at readings and festivals, commenting on writing in professional practice conferences or journals. Students will be engaged in developing your own skills as a writer of dialogue through producing a range of texts, including a pitch for a series, scenes for a pilot episode of a series, and (as part of a small group) a spec script. The focus in the course is on producing works that demonstrate an awareness of the marketplace for broadcast and performance scripts, particularly for radio, television, stage and online performance.

CWR5000 WRITING DIALOGUE FOR PERFORMANCE (FBELA - PGRD)
Semester 1 (WEB) (Toowoomba)
Units 1.0 (Written Communication) Band 1

Writing effective dialogue is the cornerstone of writing powerful and engaging playscripts. Working as a group, you will be introduced to the craft of writing dialogue, with an in-depth exploration of how to use dialogue to develop characters, develop subtext and develop the performance. Students will practice writing dialogue, producing their work at readings and festivals, commenting on writing in professional practice conferences or journals. Students will be engaged in developing your own skills as a writer of dialogue through producing a range of texts, including a pitch for a series, scenes for a pilot episode of a series, and (as part of a small group) a spec script. The focus in the course is on producing works that demonstrate an awareness of the marketplace for broadcast and performance scripts, particularly for radio, television, stage and online performance.
One of the most exciting and exciting aspects of being a professional writer is working in collaboration with other writers, and with other skilled practitioners. This course provides you with an under- standing of the skills required in a collaborative environment with other writers. This course will develop your skills as a creative writer in a writing-related medium (such as one of the broadcast or published media that you choose to work in), and will help you to develop your ideas in innovative ways and to contribute to the development of new ideas and perspectives in your chosen field.

This will incorporate ideas, concepts and theories including academic self-efficacy, reflective practice and resilience.

This course provides a comprehensive introduction to critical thinking and practice, exploring issues including critical thinking and creativity, and creativity in the creative arts. The course will introduce students to the practice of creative arts research. This course addresses a diverse range of practical and creative ideas, concepts and theories including academic self-efficacy, reflective practice and resilience.

This course offers an intermediate level of study for students who have completed at least one year of study in the field of creative arts. The course provides an introduction to the practice-led research in the creative arts and the creative arts industry. The course will enable students to develop the skills necessary for academic practice and resilience.

This course offers an intermediate level of study for students who have completed at least one year of study in the field of creative arts. The course provides an introduction to the practice of creative arts research. This course addresses a diverse range of practical and creative ideas, concepts and theories including academic self-efficacy, reflective practice and resilience.

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DIP1006 ACADEMIC AND PROFESSIONAL WRITING
(OAC - UGRD)
Semester 2 (ONC)(Springفيد)
Semester 3 (OAC)(Springفيد)
Units 1.0 (English Language) Band 1
This course is designed to transition to an Australian Academic culture via explicit instruction. The course focuses on two main university activities: oral presentation and group tutorials. Preparation and delivery of an oral presentation develops skills in formal structure and content appropriate professional context, effective visual aids design, response to questions and the use of fluent and effective vocal delivery. Students also learn about the importance of being well-prepared. Embedded within the course content will be the theme of student self-regulation of studying and learning. The course includes a variety of assessment tasks designed around their knowledge of core processes. These processes include: self-reflection to assess their own learning needs; searching for information using contemporary digital literacies; investigating, analysing and synthesising information and presenting this research in a clear, coherent manner using best-practice methods. Students can expect to increase their academic and professional written expression to a level commensurate with that required in undergraduate studies and their future workplace endeavours.

EAP7307 ACADEMIC SPEAKING AND LISTENING
(OAC - NONA)
Semester 1 (WEB)(Toowoomba)
Semester 2 (WEB)(Toowoomba)
Units 2.0 (English Language) Band 1
This course transitions students to an Australian Academic culture via explicit instruction and the cultivation of independent and ethical practices of knowledge acquisition and expression. It develops both intensive and extensive reading skills required for university and professional studies. These include: previewing, predicting, applying pre-existing knowledge, contextualising information and the capacity to critically analyse and evaluate text. Furthermore, students will learn how to understand, assess and summarise texts of texts that are relevant to their professional disciplines. The course encourages students to gain the confidence and capability to access, classify and utilise academic and professional texts relevant to their chosen study and career paths.

EAP7340 CRITICAL READING SKILLS
(OAC - NONA)
Semester 1 (WEB)(Toowoomba)
Semester 2 (WEB)(Toowoomba)
Units 1.0 (English Language) Band 1
This course assists students to transition to an Australian Academic culture via explicit instruction and the cultivation of independent and ethical practices. It develops both intensive and extensive reading skills required for university studies. These include: previewing, pre-reading, applying pre-existing knowledge, contextualisation, vocabulary development and the capacity to critically analyse and evaluate text. The course encourages students to gain the confidence and capability to access, classify and utilise academic text.

EAP7360 POSTGRADUATE STUDY SKILLS
(OAC - NONA)
Semester 1 (WEB)(Toowoomba)
Semester 2 (WEB)(Toowoomba)
Units 1.0 (English Language) Band 1
This course will develop students’ proficiency in using the English language for essay and research projects. Students will also engage in structural learning activities in their own academic disciplines in order to develop their discipline-specific English language competence. By focusing on student’s interest the study and learning processes as involved at university, individuals will be made aware of their competencies and of the learning strategies needed to succeed. Regular feedback on written work and in class discussion will help students form an understanding of their own resources and purposeful, organized approach to learning. Students will learn and practice effective reading, class discussion and presentation skills common to postgraduate studies in Australian higher education.

EAP7381 MATHEMATICAL AND COMPUTING LITERACY - LEVEL A
(OAC - NONA)
Semester 1 (WEB)(Toowoomba)
Semester 2 (WEB)(Toowoomba)
Units 1.0 (English Language) Band 1
The course consists of a series of group oriented problem solving sessions where students will develop their mathematical and computer literacy skills. Students will submit reports, worksheets and learning activities appropriate to A level Maths designed around the degree demands. Students will work in groups and rounds around activities designed in problem solving classes and through their study materials. Students will have the opportunity to practice reading, writing, speaking, listening, numerical and computer skills through assessment tasks designed around their specialisation.

EAP7382 MATHEMATICAL AND COMPUTING LITERACY - LEVEL B
(OAC - NONA)
Semester 1 (WEB)(Toowoomba)
Semester 2 (WEB)(Toowoomba)
Units 1.0 (English Language) Band 1
The course consists of a series of group oriented problem solving sessions where students at the Maths B level practice reading, writing, listening, speaking, academic numeracy and computer skills. Students will submit reports, worksheets and learning activities designed around the degree demands. Students will work in groups and rounds around activities designed in problem solving classes and through their study materials. Students will have the opportunity to practice reading, writing, speaking, listening, numerical and computer skills through assessment tasks designed around their specialisation.

EAP7383 MATHEMATICAL AND COMPUTING LITERACY - LEVEL C
(OAC - NONA)
Semester 1 (WEB)(Toowoomba)
Semester 2 (WEB)(Toowoomba)
Units 1.0 (English Language) Band 1
There are two compulsory parts of the course. Part A consists of the mastery of the content of selected topics within calculus, algebra and graphs, trigonometry, application of calculus, integral calculus, and Physics appropriate to Calculus LevelC. Students are also expected to show competence in communicating using mathematical language in English. Part B consists of group work designed to develop the student’s mathematical communication, problem solving and computer skills of students. This work utilises some of the content mastered in Part A of the course.

ECO1000 ECONOMICS (FBELA - UGRD)
Semester 1 (WEB)(Toowoomba)(OJC)(Toowoomba)
Semester 2 (OJC)(Springفيد)(WEB)(Toowoomba)
Semester 2 (OJC)(Springفيد)(WEB)(Toowoomba)
Units 1.0 (Economics) Band 3
Economic concepts and ideas are used in both business and government as the basis for much decision-making. This course introduces students to the main economic concepts and provides them with the opportunity to explore some of the key contemporary business and economic issues. Students not only learn the basic tenets of the discipline, but also be able to relate these concepts to understand real-world problems. Through case studies, students study real-life examples and can apply their theoretical knowledge to explain and critically analyse these problems faced by business and economic managers in the 21st century. It covers topics such as micro and macro economics.

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23
ECO2000 THE MACRO-ECONOMY AND BUSINESS (FBELA - UGRD)
Semester 2 (WEB)/Toowoomba Units 1.0 (Economics) Band 3
This course focuses on contemporary macroeconomic events and theories. It examines analytical tools such as aggregate demand and aggregate supply, 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.

ECO2001 BUSINESS ECONOMICS (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba Units 1.0 (Economics) Band 3
Microeconomics is part of the study of how the world works. It deals with businesses, government and household 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 in economic analysis and their relevance in the global economy. While drawing on the history of economic thought, it emphasises contemporary resource use issues and developing an understanding of the economic way of thinking in relation to the allocation of resources.

ECO2010 INTERNATIONAL ECONOMIES AND TRADE (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba Units 1.0 (Economics) Band 3
Pre-requisite: ECO1000
This course focuses on the role and work of the economist and policy analyst, particularly in the areas of national and international affairs. In this course, the issues of national economics and international trade are widely discussed for better understanding of trade and economic relations among the nations as well as barriers and opportunities of trade and investment flows. Students will develop a broad vision of international economics, and its likely future challenges as well as practical skills in strategic analysis.

ECO2011 SUSTAINABLE ECONOMIES (FBELA - UGRD)
Semester 2 (WEB)/Toowoomba Units 1.0 (Economics) Band 3
Pre-requisite: ECO1000
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 it in the context of economic interdependence and sustainability concerns, and the fundamental characteristics of an economic approach to environmental problems and their solutions. Both macro and microeconomic principles and their application are covered, as is the essence of economics in environmental contexts. Both regulatory and market-based approaches are explored in an effort to protect natural resources and improve environmental quality. The course later applies the concepts of sustainable economic development to the application of economic principles in the search for sustainable economic development.

ECO2030 SUSTAINABLE ECONOMIES (FBELA - UGRD)
Semester 2 (WEB)/Toowoomba Units 1.0 (Economics) Band 3
This course provides an introduction to the key concepts and ideas related to understanding of human development and learning. Taking a lifespan perspective, the course provides an overview of the changes and constancies in physical, cognitive, and psychosocial dimensions of the individual, and introduces varied ways on learning, the reciprocal influence of context, of family and educational settings, peer group and community environments, will be explored. Students will be encouraged to critically discuss theories of development and learning as applied to developmental practices across the lifespan and also the implications for themselves as lifelong learners.

EDC1000 METHODS FOR SUSTAINABLE DEVELOPMENT (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba Units 1.0 (Economics) Band 3
This course investigates major phenomena threatening planet earth’s environment and consequently the progress of industrialization and the standard of living in all countries alike. Issues and problems that have arisen through natural resource exploitation. Topics include phenomena such as climate change and loss of biodiversity, depletion of natural resources. In the first third of the course, the human population growth and the demand for and utilisation of resources will be explored. The course will then take on the role of the government in the same situation. Policies and tools that governments can use to achieve sustainability will be covered. The course will be co-taught with an environmental economist. The course will include visits to local businesses that have achieved success in implementing sustainability practices, and to other local communities that have struggled to do so. A public policy approach will be used to investigate how we got to this position and how these challenges can be overcome to correct/change the unsustainable pathways the global environment and economy is heading. This will particularly include examining the market-based economic concepts which explain, in part, why this situation has come about and why it continues on an unsustainable path.

ECO2040 BUSINESS IN THE INTERNATIONAL ENVIRONMENT (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba Units 1.0 (Economics) Band 3
This course has as its major focus the essential knowledge and skills necessary for beginning educators to: 1. design and implement well-organised and managed learning environments, 2. recognize and be responsive to learner backgrounds, characteristics and experiences which might impact upon engagement in learning and behaviour, 3. develop positive relationships with learners, 4. facilitate the acquisition of social competencies appropriate to the learning context, and 5. design learning experiences where necessary, which disrupts the learning-process. While these facets of teaching and learning are singled out here, this new approach with curriculum and pedagogy will be a feature of their coverage.
which they will create throughout the program as evidence of their opportunities for students to plan, implement and reflect upon their development.

This Professional Experience component will provide specific opportunities for students to understand and analyse young children's development as the basis for planning and organizing appropriate educational opportunities in early childhood.

To understand and analyse young children's development as the basis for planning and organizing appropriate educational opportunities in early childhood.

This course will provide practical frameworks for making curriculum effective and meaningful for children in the early years of school. It is designed to assist students to develop confidence and professional competence necessary for creating responsive learning and teaching environments in the early years of school.

This course will investigate curriculum priorities in the early years of school from the preschool period to eight years of age. Knowledge of contexts, their impact on development, and awareness of the different philosophical and pedagogical approaches. A 15 day professional experience placement is attached to this course.

EDC2400 DIVERSITY AND PEDAGOGY (FBEA - UGRD)

Semester 1 (ONC) (Springfield) (ONC) Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5
Pre-requisite: EDC1000 and EDUC1020

This course will investigate the role of play as a vehicle for learning and seeks to introduce students to appropriate practice in programming in early childhood contexts. This course considers play in a development perspective and explores types of play, general patterns of play, general characteristics of play and appropriate play materials. The course also considers the creative role of play and inquiry developed through play. Aspects such as gender and culture are also considered in relation to early childhood education and care.

EDC2010 PLAY AND PEDAGOGY I (FBEA - UGRD)

Semester 2 (ONC) (Springfield) (ONC) Toowoomba
Units 1.0 (Teacher Education: Early Child) Band 5
Pre-requisite: EDC1000 and EDUC1020

This course is designed to assist educators to develop their pedagogical and professional self-reflection skills and knowledge, which they will experience their teaching practice. Emphasis will be placed on the development of integrated assessment approaches and documentation techniques that are used by educators to understand and analyse young children's development as the basis for planning and organizing appropriate educational opportunities in early childhood.

To understand and analyse young children's development as the basis for planning and organizing appropriate educational opportunities in early childhood.

This course will provide practical frameworks for making curriculum effective and meaningful for children in the early years of school. It is designed to assist students to develop confidence and professional competence necessary for creating responsive learning and teaching environments in the early years of school.

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EDG3000 DESIGNING FOR DIVERSITY (FBELA - UGRD)
Semester 2 (ONC) (Spring) (FBELA - UGRD) Toowoomba
Units 1.0 (Teacher Education not elsewhere band 5) Pre-requisite: EDG2000 or EDG5000 and EDG401

Building on the design in EDG2000, this course will explore on the exploration of whole-child and individual educator approaches to the establishment of inclusive learning environments. Awareness of particular features involves particular features of their socio-cultural communities is explored through the lens of a social justice approach to meet the needs of diverse groups in contemporary education and community locations. Students will explore issues for designing and implementing long term plans and associated assessment activities for the educational program in which they are involved. The skills, attitudes and behaviours that promote effective relationships and collaboration will be identified and practiced. The course provides for 25 days of professional training attachment to an identified school.

EDG5000 DESIGNING FOR LEARNING (FBELA - PGRD)
Semester 1 (ONC) (Spring) (FBELA - PGRD) Toowoomba
Units 1.0 (Teacher Education not elsewhere band 5) Pre-requisite: Students must be enrolled in one of the following Programs: GID/0300

Through this course pre-service educators are introduced to concepts and developmental issues connected to research and the skills and strategies necessary to apply these in an educational setting. The influence of the similarities and differences in both learning styles and planning styles, ranging from single lessons to a sequence of learning, with provisions made for diversity amongst learners. The course provides students with opportunities to develop their general teaching skills and pedagogical content knowledge as they explore the variety of physical activity (for and of learning), content, learning and teaching. The course provides for 15 days of Professional Experience to an identified school.

EDH1150 SOCIOCULTURAL FOUNDATIONS OF SPORT AND PHYSICAL ACTIVITY (FBELA - UGRD)
Semester 1 (ONC) (Spring) (FBELA - UGRD) Toowoomba
Units 1.0 (Education Studies Band 5) Pre-requisite: EDC1400 or EDU1010

This course is designed to develop competency, knowledge and skills pertaining to children and adolescents’ participation in sport and physical activity. The course provides the student with advanced knowledge of the relationships between functional anatomy, mechanics of movement, movement control and psychological skills training for performance to various levels of activity and exercise. This course covers the exploration of contemporary curriculum and pedagogical issues. The course will be a detailed exploration of the variety of content and issues, and the social and cultural contexts framing these issues that relate to the teaching of HPE in Queensland. This course is designed to provide an overview of world health issues and the current health phenomena will be explored including a biocultural model as well as multidisciplinary and social ecological models. Students will gain a deeper understanding of current health promotion and in intervention strategies as well as the historical and current paradigms for understanding paediatric, adolescent and age health issues. Students will leave with an appreciation of the current state of health in Australia and internationally, a respect for the need of a multi-disciplinary approach, and their part in this process.

EDH2253 BIOPHYSICAL FOUNDATIONS OF SPORT AND PHYSICAL ACTIVITY (FBELA - UGRD)
Semester 1 (ONC) (Spring) (FBELA - UGRD) Toowoomba
Units 2.0 (Education Studies Band 5) Pre-requisite: EDH2253

The philosophy underlying this course is that there is knowledge base that is important for a monard of specialised areas of interest, such as movement education, health education, fitness, physical therapy, rehabilitation and allied health. This course will outline and evaluate student’s understanding of the relationships between functional anatomy, mechanics of movement, movement control and metabolic responses and psychological responses to movement experiences designed for preservice teachers, child care workers, coaches and others involved with sport and physical activity. This course will provide students with opportunities to develop their general teaching skills and pedagogical content knowledge as they explore the variety of physical activity (for and of learning), content, learning and teaching. The course provides for 15 days of Professional Experience to an identified school.

EDH2254 PEDAGOGY IN SPORT, HEALTH AND PHYSICAL EDUCATION (FBELA - UGRD)
Semester 1 (ONC) (Spring) (FBELA - UGRD) Toowoomba
Units 1.0 (Education Studies Band 5) Pre-requisite: EDH1400 or EDU1010

This course is designed to develop competency, knowledge and skills pertaining to children and adolescents’ participation in sport and physical activity. The course provides the student with advanced knowledge of the relationships between functional anatomy, mechanics of movement, movement control and psychological skills training for performance to various levels of activity and exercise. This course covers the exploration of contemporary curriculum and pedagogical issues. The course will be a detailed exploration of the variety of content and issues, and the social and cultural contexts framing these issues that relate to the teaching of HPE in Queensland. This course is designed to provide an overview of world health issues and the current health phenomena will be explored including a biocultural model as well as multidisciplinary and social ecological models. Students will gain a deeper understanding of current health promotion and in intervention strategies as well as the historical and current paradigms for understanding paediatric, adolescent and age health issues. Students will leave with an appreciation of the current state of health in Australia and internationally, a respect for the need of a multi-disciplinary approach, and their part in this process.

EDH2553 ADVANCED CURRICULUM STUDIES (FBELA - UGRD)
Semester 1 (ONC) (Spring) (FBELA - UGRD) Toowoomba
Units 1.0 (Education Studies Band 5) Pre-requisite: EDH2253

The philosophy underlying this course is to build on the foundation course to provide an advanced knowledge base that is important for a monard of specialised areas of interest such as movement education, health education, fitness, physical therapy, rehabilitation and allied health. This course will outline and evaluate student’s understanding of the relationships between functional anatomy, mechanics of movement, movement control and psychological skills training for performance to various levels of activity and exercise. This course will be a detailed exploration of the variety of content and issues, and the social and cultural contexts framing these issues that relate to the teaching of HPE in Queensland. This course is designed to provide an overview of world health issues and the current health phenomena will be explored including a biocultural model as well as multidisciplinary and social ecological models. Students will gain a deeper understanding of current health promotion and in intervention strategies as well as the historical and current paradigms for understanding paediatric, adolescent and age health issues. Students will leave with an appreciation of the current state of health in Australia and internationally, a respect for the need of a multi-disciplinary approach, and their part in this process.

EDH2559 SOCIOLOGY OF SPORT (FBELA - UGRD)
Semester 2 (ONC) (Spring) (FBELA - UGRD) Toowoomba
Units 1.0 (Education Studies Band 5) Pre-requisite: EDH2253

This course builds on specialist Health and Physical Education curriculum and pedagogical knowledge established through the completion of the HPE specialisation on the University of Southern Queensland EdH2253 Social, Cultural and Psychological Foundations of Sport and Physical Activity. This course is designed to introduce students to contemporary sociological perspectives relevant to the teaching and learning of health, physical education and sport. It is designed to provide knowledge and skills to enable students to apply some of the knowledge to personal and/or professional experiences. This course will introduce students to the sociological analysis of the relationships between education and social change, and the role of education in the changing social environment of Australia and internationally. Students will acquire skills in a range of understandings and competencies for interpreting and managing the HPE classroom as a complex social environment for teaching and learning. All aspects of work program, unit and lesson planning and the design of assessment instruments, teaching and learning will be provided through a combination of group tutorials, seminars, workshops and individual and small group activities. These activities are designed to provide students with opportunities to develop their general teaching skills and pedagogical content knowledge as they explore the variety of physical activity (for and of learning), content, learning and teaching. The course provides for 15 days of Professional Experience to an identified school.

EDH3258 HUMANS IN MOVEMENT (FBELA - UGRD)
Semester 2 (ONC) (Spring) (FBELA - UGRD) Toowoomba
Units 1.0 (Education Studies Band 5) Pre-requisite: EDH2253

This course is designed to develop competency, knowledge and skills pertaining to children and adolescents’ participation in sport and physical activity. The course provides the student with advanced knowledge of the relationships between functional anatomy, mechanics of movement, movement control and psychological skills training for performance to various levels of activity and exercise. This course covers the exploration of contemporary curriculum and pedagogical issues. The course will be a detailed exploration of the variety of content and issues, and the social and cultural contexts framing these issues that relate to the teaching of HPE in Queensland. This course is designed to provide an overview of world health issues and the current health phenomena will be explored including a biocultural model as well as multidisciplinary and social ecological models. Students will gain a deeper understanding of current health promotion and in intervention strategies as well as the historical and current paradigms for understanding paediatric, adolescent and age health issues. Students will leave with an appreciation of the current state of health in Australia and internationally, a respect for the need of a multi-disciplinary approach, and their part in this process.

EDH3259 SOCIOLOGY OF SPORT (FBELA - UGRD)
Semester 2 (ONC) (Spring) (FBELA - UGRD) Toowoomba
Units 1.0 (Education Studies Band 5) Pre-requisite: EDH2253

This course builds on specialist Health and Physical Education curriculum and pedagogical knowledge established through the completion of the HPE specialisation on the University of Southern Queensland EdH2253 Social, Cultural and Psychological Foundations of Sport and Physical Activity. This course is designed to introduce students to contemporary sociological perspectives relevant to the teaching and learning of health, physical education and sport. It is designed to provide knowledge and skills to enable students to apply some of the knowledge to personal and/or professional experiences. This course will introduce students to the sociological analysis of the relationships between education and social change, and the role of education in the changing social environment of Australia and internationally. Students will acquire skills in a range of understandings and competencies for interpreting and managing the HPE classroom as a complex social environment for teaching and learning. All aspects of work program, unit and lesson planning and the design of assessment instruments, teaching and learning will be provided through a combination of group tutorials, seminars, workshops and individual and small group activities. These activities are designed to provide students with opportunities to develop their general teaching skills and pedagogical content knowledge as they explore the variety of physical activity (for and of learning), content, learning and teaching. The course provides for 15 days of Professional Experience to an identified school.

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EDM5000 PLANNING FOR LEARNING: INTRODUCTION TO CURRICULUM AND PEDAGOGY (FBELA - PGRD)
Semester 1 (EXT)Toowoomba
Units 1.0 (Teacher Education) Band 5
Pre-requisite: EDM5000 Co-requisite: EDM5000

This course provides an introduction for pre-service teachers entering the teaching profession to the basic concepts and development issues connected to research and the pedagogical strategies for teaching in an educational setting. Pre-service teachers will begin to explore a range of planning styles, ranging from single lesson planning to planning learning outcomes, and then in unit plans with provisions made for diversity among learners. The course aims to provide opportunities for pre-service teachers 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.

EDM5001 UNDERSTANDING LEARNERS AND LEARNING (FBELA - PGRD)
Semester 1 (EXT)Toowoomba
Units 1.0 (Teacher Education) Band 5
Pre-requisite: EDM5000 Co-requisite: EDM5000

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 social-cultural factors) and how they affect the learning process will also be examined. On the completion of this course, pre-service teachers will have an understanding of learner development, which they will apply when designing effective educational environments that promote learning. Pre-service teachers will also develop the critical literacy skills to analyse and evaluate research literature. Embedded within the course is a 20 day Professional Experience under the supervision of a mentor teacher.

EDM5002 DIVERSITY IN EDUCATIONAL CONTEXTS (FBELA - PGRD)
Semester 1 (WEB)Toowoomba
Units 1.0 (Teacher Education) Band 5
Pre-requisite: EDM5000 Co-requisite: EDM5000

The purpose of the course is to provide pre-service teachers with an understanding of the framework of significant pedagogies and consider the characteristics for their discipline or teaching area. Opportunity will be provided for pre-service teachers to consider their own alignment to this. Pre-service teachers will identify the distinctive (‘signature’) pedagogies relevant to their discipline or teaching area. Although there are some common pedagogical approaches across different disciplines, there are also distinctive practices within specific disciplines. These distinctive practices are intended to be more than the expertise of individual teachers. Their purpose is to indue participants into the ‘profession’ and its traditions and conventions. Signature pedagogies deal with things that we as educators have to know and how to do, and both are evident in the world and the ways in which we orient ourselves to being and making meaning in the world. The combination of knowing, doing and being that are found in signature pedagogies is not separable into distinctive pieces which can be planned for and taught or taught separately, but must be experienced holistically.

EDM5010 LITERACY LEARNING IN THE EARLY YEARS (FBELA - PGRD)
Semester 1 (WEB)Toowoomba
Units 1.0 (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 reading and writing will be explored. This course focuses on curriculum and pedagogy for literacy learning, and the English curriculum in particular, by studying a variety of balanced approaches, including appropriate play-based approaches, to the teaching of reading and writing. Children's literature will be explored in order to develop a flexible repertoire of practices and resources that are found in signature pedagogies is not separable into distinctive pieces which can be planned for and taught or taught separately, but must be experienced holistically.

EDM5003 SCIENCE CURRICULUM & PEDAGOGICAL STUDIES (FBELA - PGRD)
Semester 1 (WEB)Toowoomba
Units 1.0 (Teacher Education) Band 5
Pre-requisite: EDM5000 Co-requisite: EDM5000

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 curricula and initiatives in science education; apply knowledge of how learners develop conceptual understanding in science; recognise and be responsive to learner backgrounds, characteristics, experiences and prior understandings which might impact upon engagement and learning; understand and design well-organised and managed science learning environments.

EDM5004 MATHEMATICS CURRICULUM & PEDAGOGICAL STUDIES 1 (FBELA - PGRD)
Semester 1 (WEB)Toowoomba
Units 1.0 (Teacher Education) Primary Band 5

Pre-requisite: Students must be enrolled in MOLT Co-requisite: EDM5000

The purpose of the course is to provide pre-service teachers with an understanding of the framework of significant pedagogies and consider the characteristics for their discipline or teaching area. Opportunity will be provided for pre-service teachers to consider their own alignment to this. Pre-service teachers will identify the distinctive (‘signature’) pedagogies relevant to their discipline or teaching area. Although there are some common pedagogical approaches across different disciplines, there are also distinctive practices within specific disciplines. These distinctive practices are intended to be more than the expertise of individual teachers. Their purpose is to indue participants into the ‘profession’ and its traditions and conventions. Signature pedagogies deal with things that we as educators have to know and how to do, and both are evident in the world and the ways in which we orient ourselves to being and making meaning in the world. The combination of knowing, doing and being that are found in signature pedagogies is not separable into distinctive pieces which can be planned for and taught or taught separately, but must be experienced holistically.

EDM8005 ASSESSMENT FOR LEARNING (FBELA - PGRD)
Semester 1 (WEB)Toowoomba
Units 1.0 (Teacher Education) Band 5
Pre-requisite: EDM5000

This course provides pre-service educators, in the Australian context, with an introduction to the guiding legislation, policies and practices of inclusive education. Pre-service teachers will also develop knowledge of the characteristics 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. Congruent of the range of students and contexts, this course will focus on scientific, evidence-based approaches to supporting the learning and development of students with special needs and those studying pre-service educational environments. This course will introduce pre-service educators to effective management strategies for these students who exhibit challenging behaviours. The course will require pre-service educators to review research to inform and develop strategies for teaching students with special needs in an inclusive classroom environment.

EDM8004 SCIENCE CURRICULUM & PEDAGOGICAL STUDIES 2 (FBELA - PGRD)
Semester 1 (WEB)Toowoomba
Units 1.0 (Teacher Education not elsewhere) Band 5

MoT students pre-requisite: EDM5000 and EDM5001 and EDM5000 GDLT, and GDLT students co-requisite: EGD3000

In this course, interns will be required to seek the authorisation of a host site to undertake a 20 day professional internship. In Queensland schools, this will also require an ‘internship authorisation’ from the Queensland College of Teachers, sought on their behalf by the Pro Experiential Office. Equivalent processes may be required in other jurisdictions, which will be the responsibility of interns in such circumstances. In all situations, appropriate arrangements for mentoring, supervision and evaluation will be required as part of the process of approval for the placement. Pre-service teachers will lead responsibility for planning and teaching 50% of the normal load of a class. This responsibility is supported by an experienced and on-site mentor as well as by a school-based mentor. This course will introduce pre-service educators to effective management strategies for students who exhibit challenging behaviours. The course will require pre-service educators to review research and develop strategies to support their Mentor in a secondary role for the remaining 50% of a full-time placement. This course will also introduce pre-service educators to professional practice in which educators engage in schools or the professional community, and conduct research and reports to reflect on their prior learning and professional experiences and critically evaluate changes in teaching and learning practice in the school. Pre-service educators will be encouraged to reflect on their prior learning and professional experiences and critically evaluate changes in teaching and learning practice in the school.

EDM8005 MATHEMATICS CURRICULUM & PEDAGOGICAL STUDIES 2 (FBELA - PGRD)
Semester 1 (WEB)Toowoomba
Units 1.0 (Teacher Education) Primary Band 5
Pre-requisite: EDM5000 and EDM5001

The course focuses on inquiry-based approaches to the teaching of Mathematics with the goal of developing deeper understanding in all aspects of the Australian Curriculum: Mathematics. The purpose of the course is to provide pre-service educators with opportunities to develop knowledge, skills and practices that will enable them to effectively involve student learning. In this course, students will begin with an exploration of the main theoretical components of quality assessment informed by contemporary literatures, investigate data analysis especially in relation to non-referenced processes of assessment, and require pre-service educators to demonstrate an advanced and integrated understanding of relevant content and context. This course will also engage prospective educators in scoping, designing and justifying an authentic, reliable and valid assessment tool relevant to student needs and professional context.
EDM8006 CURRICULUM AND PEDAGOGICAL STUDIES 2: ARTS & TECHNOLOGIES (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Teacher Education: Primary) Band 5
Pre-requisite: EDM8005
This course examines 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 (EALD) learners and Aboriginal and Torres Strait Islander students. Drawing on a range of literacies frameworks, including those in literacy pedagogy, this course will enable pre-service educators to design and plan integrated and inclusive learning opportunities that ensure the planning of learning will be embedded into learning across the curriculum. Specific attention will be paid to the planning of focused learning/teaching episodes about the language forms and features and textual structures through the study of models of planning and texts. The course will also focus on contemporary issues and current reforms in literacy education, including strategies for the planning of and support for EALD students, and the development of feasible repertoires of learning/teaching strategies for effective planning and writing across a range of educational contexts.

EDM8008 INQUIRING THROUGH THE HUMANITIES (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 2.0 (WEB)/Toowoomba
Units 1.0 (Education not elsewhere classified) Band 5
Pre-requisite: EDM100 and EDM8006
Investigating inquiry pedagogy, as the signature pedagogy associated with the Humanities and Social Sciences, is the focus of this course, both in theory and in practice. Pre-service educators in this course will explore the ideas associated with the Humanities and Social Sciences (History, Geography, Civics and Citizenship, and Economics and Business) that draw on students’ growing experience of coursework and life in the wider world. Pre-service educators will also integrate the Australian curriculum Cross-Curriculum Priorities and Graduate Capabilities to embed them when designing from the curriculum. To reflect on their teaching of the Humanities and Social Sciences educators in this course will identify and contribute to professional learning networks in order to improve practice.

EDM8100 BUILDING EDUCATION COMMUNITIES (FBELA - PGRD)
Semester 1 (EXT)/Toowoomba
Units 2.0 (EXT)/Toowoomba
Units 1.0 (Teacher Education not elsewhere) Band 5
Pre-requisite: EDM8001
EDM8100 has a major focus on the exploration of the multiple educational environments educators encounter as part of their professional practice. This course will specifically explore the student-educator, teacher-educator, professional and wider societal communities that educators engage with, and also detail mechanisms for success fully building a ‘professional network’. While various effective approaches and practices for engaging with communities will be explored, pre-service educators will be encouraged to uncover their own practices of engagement and network building as an ongoing professional practice. This course will involve pre-service educators mapping existing and potential future community networks to establish their placement as educators within wider school and community spheres. Embedded within the course is a 25 day Professional Experience under the supervision of a mentor teacher.

EDO2104 FAMILIES AND SOCIETY (FBELA - UGRD)
Semester 2 (WEB)/Toowoomba
Semester 3 (WEB)/Toowoomba
Units 1.0 (Education Studies) Band 5
This course introduces students to the changing nature of the family, structure and function of the family in contemporary society. Opportunities for cross-cultural comparisons and explorations will be pro vided. The course will examine the impact and effect of social policies as they impact on socialisation. The implications of gender, class and ethnicity on families will be addressed. Social institutions such as education, religion, economy and government will be examined in isolation and reflect changes in the role and form of contemporary family structures. Particularly attention will be paid to the impact of government and economic policies and directions on services for young children and their families.

EDO3112 MIDDLE YEARS 2 (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba
Semester 2 (WEB)/Toowoomba
Units 1.0 (Teacher Education not elsewhere) Band 5
This course will enable pre-service educators to develop competence in engaging early adolescents with purposeful learning. It will assist those enrolled to develop an understanding of factors which impact on adolescent learning including physical and emotional development, relationships and school or sector transitions. These factors will then be further explored within a school context as students propose classroom and whole school strategies to enhance student engagement, success, resilience, partnerships, tolerance and emotional wellbeing.

EDO3211 TEACHING IN GLOBAL CONTEXTS (FBELA - UGRD)
Semester 3 (WEB)/Toowoomba
Units 1.0 (Teacher Education not elsewhere) Band 5
Throughout completing this course, students will develop an understanding of the range and complexity of issues impacting on student learning and teaching in different contexts. Students will explore theories relating to curriculum design and pedagogy for global contexts, as well as strategies for ensuring those theories in specific international contexts. By using digital media students will visit schools in other countries virtually.

EDO3341 TEACHING IN RURAL AND REMOTE COMMUNITIES (FBELA - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Education Studies) Band 5
This course will emphasise issues relating to the structure of education, teaching practice, and curriculum delivery methods in rural and remote Australia. Students will learn to develop and apply pedagogies and supporting technologies, support for teachers in rural and remote contexts, school management issues, and processes designed to support community partnerships. Analysis of political and systemic contexts of rural and remote education will provide students with a framework for understanding the complexities of rural and remote teaching contexts. The course will provide students with an understanding of the experiences of teachers in rural and remote locations.

EDO3377 TEACHING THE AUSTRALIAN CURRICULUM: ENGLISH (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Teacher Education not elsewhere) Band 5
In this course pre-service teachers will focus upon poetry, prose and drama from a range of traditional and contemporary contexts, so as to enhance their personal repertoires of practice and knowledge of literature and language. Through reading, creating and sharing literary texts participants will have opportunities to enhance their personal understanding, skills and knowledge of grammar and literacy for teaching in Australian contexts, bringing the potential for learning to be transformed to global contexts. This course complements EDO1170, ED02170 and EDU3270 in its approaches to literacy, focusing specifically upon literature and the Australian Curriculum for English.

EDO3471 MULTILITERACIES: UNDERSTANDING TEXTS (FBELA - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Education Studies) Band 5
Pre-requisite: EXD1170 or EDU2170 or EDU3270
This course provides in-depth study of the textual and language features of a range of texts, including print, visual and multimodal. Students will learn about the ways in which these different features of language can be used to analyse the language and textual features of a range of genres and texts. They will also develop a research methodology which will enable them to be effective literacy teachers across curriculum areas. These activities will provide opportunities to develop their writing skills while learning about the effective teaching of writing.

EDO3472 CHILDREN'S AND YOUNG ADULT LITERATURE (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Education Studies) Band 5
This course will examine the selection and use of children’s and young adult literature to enrich the educational experience. The concept of children’s literature from historical through to contemporary genres will be studied. Investigation and analysis will be conducted to explore the value of literary texts, including wide reading from a range of picturebooks, novels for beginning and independent readers and young adult literature.

EDO3476 DRAMA IN ARTS EDUCATION (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Education Studies) Band 5
Students will focus on expressing and communicating their understanding about human issues and experiences, through enactment of real and imagined events. Through dramatic role (voice, gestures, and dramatic movement in the performance space); purpose and context (time frames, language, place, space and mood); structure (role-play, story, scenarios and scripts, styles or forms); students will investigate various contemporary issues, actions, and consequences that have local, national and global relevance. Students will be engage in creating, presenting and responding. Through creating, students will focus on the use of control, management and synthesis of the elements and conventions of drama. Students will, through preparing of drama performance students will rehearse, share and perform. Finally through responding to dramatic performance students will describe, analyse and evaluate their own and other dramatic work. Through their engagement in the historical and socio-cultural driven arts of drama, students will develop an understanding of global citizenship in their roles as educator, artist, actor and audience. Educators will also be required to familiarise themselves with curriculum documents and relevant literature and collateral resources that will support the development of pedagogical strategies for teaching drama in the Arts.

EDO3500 ALTERNATE PROFESSIONAL EXPERIENCE (FBELA - UGRD)
Semester 1 (EXT)/Toowoomba
Semester 2 (EXT)/Toowoomba
Semester 3 (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 ‘replaced’ course. In that 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
Semester 3 (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 ‘replaced’ course. In that 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 1 (WEB)/Toowoomba
Semester 2 (WEB)/Toowoomba
Semester 3 (WEB)/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 ‘replaced’ course. In that 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.
EDR8001 EFFECTIVE AND ETHICAL EDUCATIONAL RESEARCH (FBELA - UGRD)

Semester 1 (ONC) (Spr/Spri) (ONC) (Toowoomba) (ONC) (Toowoomba)
Units 1.0 (Teacher Education: Primary) Band 5
Pre-requisite: EDC1400

This course is designed to introduce students to what language is, how meaning is realised in language use and how it operates in mainstream learning environments in English. In this course, you will develop edge of cognitive processes involved in acquiring and using English, strategies for additional language learning and tools for enhancing the communicative competence of culturally diverse home background grounds of learners in the classroom provide the focus of study. Social and cultural factors affecting language identity, development and communication is experienced through theory and practice. The course aims to develop a broad integration of theoretical and practical knowledge of language skills of learning, speaking, reading and writing alongside grammar and vocabulary are established and applied to a content discipline unit of work in the Australian curriculum. Students become familiar with the potential needs of second language learners. ESL Band scales, as they develop resources and learning activities for professional use. Information Literacy will be developed through exploration of Internet sites including Education Queensland Internet resources, ACARA and professional ESL networks in Australia and abroad, and readings focusing upon principles and educational practice in English as an Additional Language (EAL).

EDP1410 SECOND LANGUAGE LEARNING AND PEDAGOGY (FBELA - UGRD)

Semester 1 (ONC) (Spr/Spri) (Toowoomba) (Toowoomba) (Toowoomba)
Units 1.0 (Teacher Education: Primary) Band 5

This course is designed to introduce students to what language is, how meaning is realised in language use and how it operates in mainstream learning environments in English. In this course, you will develop edge of cognitive processes involved in acquiring and using English, strategies for additional language learning and tools for enhancing the communicative competence of culturally diverse home background grounds of learners in the classroom provide the focus of study. Social and cultural factors affecting language identity, development and communication is experienced through theory and practice. The course aims to develop a broad integration of theoretical and practical knowledge of language skills of learning, speaking, reading and writing alongside grammar and vocabulary are established and applied to a content discipline unit of work in the Australian curriculum. Students become familiar with the potential needs of second language learners. ESL Band scales, as they develop resources and learning activities for professional use. Information Literacy will be developed through exploration of Internet sites including Education Queensland Internet resources, ACARA and professional ESL networks in Australia and abroad, and readings focusing upon principles and educational practice in English as an Additional Language (EAL).

EDP4200 THE REFLECTIVE PRACTITIONER (FBELA - UGRD)

Semester 1 (ONC) (Spr/Spri) (Toowoomba) (Toowoomba) (Toowoomba)
Units 2.0 (Teacher Education: Primary) Band 5

This course is designed to introduce students to what language is, how meaning is realised in language use and how it operates in mainstream learning environments in English. In this course, you will develop edge of cognitive processes involved in acquiring and using English, strategies for additional language learning and tools for enhancing the communicative competence of culturally diverse home background grounds of learners in the classroom provide the focus of study. Social and cultural factors affecting language identity, development and communication is experienced through theory and practice. The course aims to develop a broad integration of theoretical and practical knowledge of language skills of learning, speaking, reading and writing alongside grammar and vocabulary are established and applied to a content discipline unit of work in the Australian curriculum. Students become familiar with the potential needs of second language learners. ESL Band scales, as they develop resources and learning activities for professional use. Information Literacy will be developed through exploration of Internet sites including Education Queensland Internet resources, ACARA and professional ESL networks in Australia and abroad, and readings focusing upon principles and educational practice in English as an Additional Language (EAL).
This course introduces students to methodological approaches to the analysis of social and cultural contexts in written and spoken texts, and spoken text or written discourse. Students will develop an understanding of current curriculum policy in the senior phase and middle years of schooling. Emerging professionals will develop and design authentic learning experiences for students in these phases in an approved educational setting.

EDR8001 FOUNDA TIONS OF RESEARCH IN EDUCATION (FBELA - PGRD)
Semester 1 (Web)/Toowoomba
Units 1.0 (Society and Culture not elsewhere)
Band 1
Pre-requisite: EDS2401 or EDS2402

This course introduces learners in the theory and practices of education evaluation and evidence-based decision-making in education. They will compare the concept of educational evaluation with related concepts such as assessment and research; develop understanding of different approaches to, and models of, educational evaluation; conduct of evaluations; and understand the special case of evaluation of innovative educational programs.

EDR8002 EDUCATIONAL EVALUATION (FBELA - PGRD)
Semester 2 (Web)/Toowoomba (ONC)/Toowoomba
Units 2.0 (Society and Culture not elsewhere)
Band 1
Pre-requisite: EDS2401 or EDS2402

This course introduces learners to the folio. It is expected that the following elements will normally be completed by students working in close consultation with their supervisors. For students preparing a DISSECTATION - Writing and presenting a confirmation proposal; appropriate, conducting a pilot or small-scale study; and understanding the special case of evaluation of innovative educational programs. Students undertaking this course are required to complete a 15 day professional experience placement in an approved educational setting.

EDS2401 MIDDLE PHASE CURRICULUM AND PEDAGOGY (FBELA - UGRD)
Semester 1 (On-line)/Toowoomba (EXT)/Toowoomba
Units 2.0 (Society and Culture not elsewhere)
Band 1
Pre-requisite: EDS2401 or EDS2402

This course seeks to provide learning opportunities that will require pre-service teachers to play an active role in the construction of their own pedagogical practice and the development of professional expertise in planning and delivering effective teaching and learning. Emerging professionals will design and develop authentic learning experiences for students in these phases in an approved educational setting.

EDS2402 PLANNING FOR LEARNING AND TEACHING (FBELA - UGRD)
Semester 2 (On-line)/Toowoomba (EXT)/Toowoomba
Units 2.0 (Society and Culture not elsewhere)
Band 1
Pre-requisite: EDS2401 or EDS2402

This course supports pre-service teachers to build in-depth understanding of curriculum policy and organisational requirements in order to apply these effectively in their teaching practice. Discussion and applications cover mandated elements of curriculum for certification and practice designing units of work that create alignment with pedagogical knowledge. Secondary educators increased understanding of curriculum policy and organisational requirements in order to apply these effectively in their teaching practice. Discussion and applications cover mandated elements of curriculum for certification and practice designing units of work that create alignment with pedagogical knowledge.

EDS4250 LITERACIES ACROSS THE CURRICULUM (FBELA - UGRD)
Semester 2 (Web)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Teacher Education: Secondary)
Band 5
Pre-requisite: EDS2401 or EDS2402

This course explores the links between literacies and learning and helps pre-service teachers plan for literacy learning in their teaching areas. Pre-service teachers will learn about a range of approaches to, and models of, educational evaluation; conduct of evaluations; and understand the special case of evaluation of innovative educational programs. Students undertaking this course are required to complete a 15 day professional experience placement in an approved educational setting.
Business content, pedagogy and curriculum fit and work together to teaching for learning. The purpose of this course is to move beyond and develop professional expertise in delivering discipline-specific effective learning opportunities.

EDS4405 SECONDARY BUSINESS CURRICULUM AND PEDAGOGY (FBELA - UGRD)
Semester 2 (WEB)/Toowoomba Units 1.0 (Teacher Education: Secondary) Band 5 Co-requisite: EDS5000 or EDS2401
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 Computing discipline. This course provides the opportunity for pre-service educators to learn how Computing content, pedagogy and curriculum fit and work together to provide effective learning opportunities.

EDS4407 SECONDARY ARTS CURRICULUM AND PEDAGOGY (FBELA - UGRD)
Semester 2 (WEB)/Toowoomba Units 1.0 (Teacher Education: Secondary) Band 5 Co-requisite: EDS5000 or EDS2401
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 2 (WEB)/Toowoomba Units 1.0 (Teacher Education: Secondary) Band 5 Co-requisite: EDS5000 or EDS2401
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 2 (WEB)/Toowoomba Units 1.0 (Teacher Education: Secondary) Band 5 Co-requisite: EDS5000 or EDS2401
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.

EDUS112 TRANSFORMING LEARNING WITH ICT (FBELA - PGRD)
Semester 3 (WEB)/Toowoomba Units 0.0 (Education Studies) Band 5
Students in EDUS112 Transforming Learning with ICT will engage with the design and creation of educational, intellectually challenging and authentic learning environments in which ICT changes not only what students learn but also how they learn. Students in this course will examine how ICT might be used to both enhance and transform learning.

EDU5221 PROFESSIONAL LEARNING (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba Units 0.0 (Education Studies) 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 so they develop professionally and will develop skills which will enable them to develop appropriate mentoring practices within their workplace. For this course, access is required to an educational setting where professional learning processes may be explored and developed. This may include working with peers and mentoring.

EDU5212 EDUCATING STUDENTS WITH SPECIAL NEEDS (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba Semester 3 (WEB)/Toowoomba Semester 3 (WEB)/Toowoomba Semester 3 (WEB)/Toowoomba Semester 3 (WEB)/Toowoomba
In this course students will explore inclusive education philosophies, policies and practices as a contemporary response to maximizing 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, learning disabilities, emotional or behavioral 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 in-depth development of knowledge of the special needs and disabilities categories, thus necessitating individual tailored approaches to the evaluation and support of students with special needs.

EDU5324 BEHAVIOUR SUPPORT (FBELA - PGRD)
Semester 3 (WEB)/Toowoomba Units 1.0 (Teacher Education: Special Ed) 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 behavior. Participants will learn about student engagement, effective student behavior management, and support students who have experienced trauma, develop positive, secure relationships with traumatized students and develop supportive partnerships with key stakeholders within and beyond the school setting. The course will examine general education contexts; the impact of new and emerging evidence on practice; and recent developments in research and implementation of evidence-based strategies to support positive behavior. The course will also provide educators with the skills required to engage students who have experienced trauma, thus equipping them with the knowledge, skills and strategies to support students who demonstrate challenging behavior.

EDU5325 CHILD ABUSE AND NEGLECT: INTERVENTION, PROTECTION AND PREVENTION (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba Semester 3 (WEB)/Toowoomba Semester 3 (WEB)/Toowoomba Semester 3 (WEB)/Toowoomba Semester 3 (WEB)/Toowoomba
Education students enrolled in this course will learn about the legal framework for protecting children and young people, and the responsibilities of school professionals to manage situations involving child abuse and neglect. The course will cover the legal and ethical frameworks for protecting children and young people from harm and the role of school professionals in this process. Students will explore the effects of child abuse and neglect on children and families, including the impact of trauma on brain development. The course will also examine various settings of child abuse such as family, peer group, institutional and a wider social context. Within these ecological frameworks, students will study the causes, symptoms and consequences of four main forms of child abuse/emotional, physical, sexual and neglect. The course also offers a brief practical clinical component when students explore various ways of dealing with this social problem - prevention, intervention and therapy, with the emphasis on applications within the educational or school context. This version produced 12 Sep 2017.
EDU5335 EMOTIONAL AND BEHAVIOURAL PROBLEMS OF CHILDREN AND ADOLESCENTS (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Teacher Education: Special Ed) Band 5

The overall aim of this course is to introduce professionals 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 to overcome these problems. This course outlines the kinds of problems professionals can expect to encounter and elaborates on a range of strategies, both preventive and remedial, for responding in a positive and effective manner. The course aims to assist professionals to develop a sound understanding of the nature and treatment of emotional and behavioural problems of children and adolescents, and to develop an awareness of appropriate ways of dealing with the difficulties.

EDU6011 EMERGING ENVIRONMENTS FOR LEARNING (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Education Studies) Band 5

Theories, including constructivism and connectivism, associated with design and adoption of learning environments will be reviewed with a focus on developing understanding of how theory can inform effective design and implementation of learning environments appropriate to a variety of contexts such as formal education, workplaces, and leisure. Students will be introduced to courses 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 from a range of sources and are encouraged to participate as members of relevant professional communities. They will construct shared artefacts that contribute to the professional discourse of emerging learning environments and demonstrate an appropriate design of learning environments for specific purposes. Where appropriate, students will work with emerging and experimental technologies.

EDU6117 NETWORKED AND GLOBAL LEARNING (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Education Studies) Band 5

This course introduces the field of educational administration largely through perspectives drawn from the field of organisational theory. Students will be introduced to the development of thought in the field of educational administration and to a study of the key major paradigms, functionalist and interpretive paradigms. Students are then introduced to the concept of a post-modern organisation and explore the post-modern perspective on organisational theory. While the focus of this course is on educational administration, the theory base drawn from organisational theory that can be applied to most service organisations.

EDU6312 EDUCATORS AS LEADERS: EMERGING PERSPECTIVES (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Education Studies) Band 5

This course explores 'leadership in education' from a range of theoretical perspectives, including corporate/strategic, transformational/transactional, and action research. Attention is paid to the concept of 'leadership frameworks' in contemporary educational administration is traced through historical British and American influences. Educational leadership as a key dimension in the reform of education at both levels is 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.

EDU3314 HUMAN RESOURCE STRATEGIES FOR INNOVATION (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Teacher Education: Special Ed) Band 5
This course provides an introduction to human resource management as a basis from which students can explore the organisational capacity for innovation. Students will analyse their organisation using concepts such as validity, flexibility and reliability as well as processes underlying test construction such as standardisation and norms. Subsequent topics address the data collection practices of observation, interviewing and formal testing, and the processes of assessment accommodating diverse groups. Testing practices. Students will develop an understanding of measurement concepts such as validity and reliability as well as processes involving test construction such as standardisation and norms.

EDU3317 INDIVIDUAL ASSESSMENT AND TESTING (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Education not elsewhere class) Band 5
Pre-requisite: EDU3132
This course consists of four modules. The first module is designed to equip students with a fundamental understanding of the importance of human resource management. The second and third modules focus on the relevance of HRM in developing human resource strategies for organisational effectiveness. The second and third modules are the focus of the course.

EDU3318 ORGANISATIONAL TRANSFORMATION THROUGH LEARNING (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Education not elsewhere class) Band 5
Pre-requisite: EDU3132
This course focuses on the teaching of children with specific learning difficulties. The focus of the course is on the assessment and diagnosis of children with reading problems and on the structuring, implementation and evaluation of appropriate intervention programs. Students will require access to a child with reading difficulties in English for completion of this course.

EDU3326 LEARNING DIFFICULTIES: MATHEMATICS (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Teacher Education: Special Ed) Band 5
This course focuses on the teaching of children with specific learning difficulties. It provides an overview of children with reading problems and on the structuring, implementation and evaluation of appropriate intervention programs.

EDU3329 COUNSELLING AND COMMUNICATION: THEORY AND PRACTICE (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Teacher Education: Special Ed) Band 5
This course introduces the student to the theory and practice of collaborative communication and related communication and interpersonal problem solving skills. The course is designed to meet the needs of both classroom teachers and special support teachers. The particular focus is on the delivery of appropriate instruction and using techniques to encourage children with learning, behaviour and adjustment problems. It focuses on the teaching of children with specific learning difficulties. Students will require access to a child with reading difficulties in English for completion of this course.

EDU3332 INTRODUCTION TO COUNSELLING IN EDUCATIONAL CONTEXTS (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Teacher Education: Special Ed) Band 5
This course provides an introduction to the theory and practice of collaborative counselling and related communication and interpersonal problem solving skills. The course is designed to meet the needs of both classroom teachers and special support teachers. The particular focus is on the delivery of appropriate instruction and using techniques to encourage children with learning, behaviour and adjustment problems. It focuses on the teaching of children with specific learning difficulties. Students will require access to a child with reading difficulties in English for completion of this course.

EDU3333 ADVANCED COUNSELLING IN EDUCATIONAL CONTEXTS (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Teacher Education: Special Ed) Band 5
Pre-requisite: EDU3332
This course focuses on the teaching of children with specific learning difficulties. Students will require access to a child with reading difficulties in English for completion of this course.

EDU3338 AUTISM (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Teacher Education: Special Ed) Band 5
This course examines the conceptual frameworks, in the field of autism spectrum disorder, of the three diagnostic differences (socialisation, communication and restricted interests/repetitive behaviour) and beyond, and the three cognitive theories: theory of mind, central coherence and executive function. Child, parent and school perspectives are presented, as well as personal accounts from adults with ASD. The process of evaluating the evidence base of practices in the field to inform support design is a critical course element. Teachers will learn how to determine the needs, and the impact they have on access and participation, as well as how to formulate effective support plans. Responding to behaviour and catering for the unique learning styles of these students is highlighted within a respectful and child-centred framework.

EDU400 MENTORING AND COACHING (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Education Studies) Band 5
This course provides 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 lead and manage teams. This module provides participants with an opportunity to understand the role of mentoring and coaching and the skills required to develop these skills through a series of case studies. It is expected that participants will have access to an educational or training setting in which they can apply their knowledge and skills.

EDU406 THEORIES FOR LEARNING FUTURES (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Education Studies) Band 5
Within a framework of contemporary theories of learning, students in this course will investigate contemporary theories of learning and be able to develop their own critical perspectives on learning. The theory of learning is an essential tool for education planners and policymakers as it provides insights that can be used to inform policy development and curriculum design. By engaging with this course, students will be able to develop a critical understanding of how learning is conceptualised in different educational contexts, and how to apply this knowledge to educational practice.

EDU415 MULTIMODAL TEXTS AND NEW LITERACIES (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Education not elsewhere class) Band 5
The purpose of this course is to 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 know more about informal ways students learn outside of education and bring aspects of their world into their learning processes. Further requires replacing the notion of learning with learning processes that support the creation of social and literate futures. These learning processes will incorporate the diversities and differences of globalised today's world. A study 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 connections about the text/literacy practices required to be literate in the 21st century and develop the capacity to support critical engagement with multiple literacies. The focus of the course will be on texts and literacy practices emerging from technology rather than the specifics of the technologies themselves.
EDU8500 AUSTRALIAN ABORIGINAL AND TORRES STRAIT ISLANDER PEOPLES’ EDUCATION AND ISSUES (FBEA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Other Education) Band 5

This course provides a critical historical overview of major thrusts of colonial and Australian government views and policies on the education of Australian Aboriginal and Torres Strait Islander peoples. It provides a base for the development of a deeper understanding of current issues and challenges facing both Australian Indigenous communities, and various government and nongovernment agencies responsible for the provision of education services to those communities. The course explores the tension between cultural [‘traditional’ and formal] and Western] educational imperatives and looks at various potentially positive developments in the areas of Australian Aboriginal and Torres Strait Island peoples’ education. Major contemporary issues, including Closing the Gap, the Northern Territory Emergency Response [the Intervention], the role of bilingual education, and issues that arise from the education/schooling of students who find themselves in classrooms at often significant geographic, educational settings, and teacher recruitment and preparation will be explored.

EDU8501 DEVELOPMENTAL FOUNDATIONS FOR LEARNING (FBEA - PGRD)
Semester 2 (WEB)/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 communicative 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 development 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 (FBEA - PGRD)
Semester 1 (WEB)/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 societies: migration, forced resettlement, diaspora, and refugee movements. Students will be required to become familiar with current educational issues relating to each of these and develop an understanding of the nature of, and environments conducive to, agentic, connected, and collaborative learning contexts to develop an in depth, working understanding of the complex ecology of human social emotional wellbeing and the key up effects and influences of education settings. The course is designed for professionals who are working in education contexts and who occupy student welfare related roles. This includes early childhood, primary and secondary school teachers, school counsellors, guidance officers, chaplains, school health nurses, social workers, child protection officers and psychologists. The course applies an ecological, contextual, systems-oriented approach to analyse contemporary theoretical positions to account for the increasing prevalence of mental health problems and illness, and the impacts on the development of young people and families. A whole of organisation mental health promotion model, based on the Health Promoting Schools framework is explored to identify and generate universal, targeted and intense support processes and options that can be directly applied to the student’s current professional practice. A case management model is offered to support the process of pro viding intensive support options for students with high support needs.

EDU8505 PROGRAMS TO PROMOTE GIFTED ACHIEVEMENT ACROSS THE LIFESPAN (FBEA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Education not elsewhere class) Band 5
Pre-requisite: EDU8511

This course is designed to 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 environment 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, collaboration, and working with their knowledge of program 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.

EDU8506 INFORMAL LEARNING (FBEA - PGRD)
Semester 3 (WEB)/Toowoomba
Units 1.0 (Education not elsewhere class) Band 5

This course will support students undertaking postgraduate studies in Education to develop an in-depth and contextualised understanding of informal learning. The course will examine the role of the liberal arts curriculum in contemporary contexts, and strategies for one-to-one coaching and collaboration. It will address issues related to learning in informal settings, including the role of non-formal learning and the experience of adult learners. The course will explore the role of education in informal settings and the importance of developing lifelong learning environments in communities and in individuals.

EDU8507 COUNSELLING IN EDUCATION CONTEXT: THEORY & PRACTICE (FBEA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Education not elsewhere class) Band 5

EDU8507 aims to assist professionals working in education contexts to develop an in-depth, working understanding of the foundations of counselling and the principles that inform professional practice. The course focuses on contemporary education contexts and the ways that counselling theory and practice can contribute to school and community wellbeing. Contemporary issues in education contexts such as diversity, mental health, digital technology, sexuality and suicide are canvassed before looking at the foundational concepts of counselling; change, counselling as a context, the therapeutic relationship, positive psychology and wellness, and models for describing the counselling process. Case conceptualization as a process is explored in the context of different therapeutic traditions. Finally, a model of case management is introduced to integrate the delivery of services to clients beyond the counselling room.

EDU8508 ENGAGING WITH INDIGENOUS COMMUNITIES (FBEA - PGRD)
Semester 3 (WEB)/Toowoomba
Units 1.0 (Other Education) Band 1

This course will provide insight into and aspects of the knowledge, language, and skills necessary for successful and respectful engagement by tertiary education institutions with Indigenous communities. Specifically, and generally, this course looks at Indigenous communities and their contexts as well as the processes that can engage and support Indigenous communities within the local, national, and international settings to provide education and training opportunities for Indigenous students. The course will examine the discourses of deficit, and looks to provide the student with a culturally appropriate and productive orientation to understanding the challenges that currently fall from a dominant discourse of interpretation and reduction. Concepts of language and culture are identified, and discussed, and models which engage with the key themes of social justice and cultural equity in education.
EDU8513 CREATIVITY AND INNOVATION ACROSS THE LIFESPAN (FBELA - PGRD)
Semester 3 (WEB)Toowoomba
Units 1.0 (Education not elsewhere classed) Band 5
This course will introduce students to human creativity, what is it, why is it important, and how it can be fostered. This course has been designed for students to consider how creativity can be fostered across the lifespan, and integrated with daily activities in specific settings (e.g., schools, workplaces). The course requires students to engage with focus questions (e.g., what is the creative process?) and provides students with flexibility to create learning artifacts to demonstrate their understanding of the course material. At the conclusion of the course students will have developed a portfolio (note making, reflection, evaluation) for a self-selected environment and target audience.

EDU8601 ADVANCED STUDIES IN PROFESSIONAL PRACTICE (FBELA - PGRD)
Semester 1 (WEB)Toowoomba
Semester 2 (WEB)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. The focus is on responsive and influential learning and development. 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 organisation-wide leadership. Students are facilitated to engage with others in unmasking the essence of the challenges in their workplaces and the authentic data, develop a contextually defensible response to an identified challenge.

EDU8602 ADVANCED STUDIES IN SPECIALISATION (FBELA - PGRD)
Semester 1 (WEB)Toowoomba
Semester 2 (WEB)Toowoomba
Units 2.0 (Education Studies) Band 5
Students will pursue in depth study within their specialisation area. It will involve an analysis and critical investigation of the literature relevant to the particular focus of the individual’s major study area. This will lead to the submission of a critical literature review paper, which will provide a foundation for the proposal and literature review(s) required for the research portfolio.

EDU8605 BUILDING COMMUNITIES OF PRACTICE (FBELA - PGRD)
Semester 1 (WEB)Toowoomba
Units 1.0 (Education Studies) Band 5
This course aims to critically examine the concept of Communities of Practice and the implications emerging across sectors and at all levels of education as teaching, learning, and the social sciences. By applying theoretical and empirical frameworks to highlight issues around content, context, leadership, educational power, and the significance of research across broader social and organizational contexts, learners will investigate and engage in the development and sustainability of Communities of Practice. Participants in the course will experience first-hand the development of a learning community as they create their own knowledge by engaging in authentic communities of practice relevant to their particular focus. The course is designed to provide a solid foundation for ongoing professional development, growth, and renewal.

EDU8701 TEACHING AND LEARNING IN CONTEMPORARY CONTEXTS: THEORY AND PRACTICE (FBELA - PGRD)
Semester 1 (WEB)Toowoomba
Units 1.0 (Education Studies) Band 5
This course provides opportunities for beginning and more experienced educators to develop and refine their knowledge, skills and capacity to effectively facilitate learning in contemporary contexts. Through analysis of contemporary learning theory and critical incidents, learners will be challenged to explore, reflect on and question their understandings and assumptions about learning and teaching. Engagement with critically reflective practice and development of a teaching and learning portfolio provides students with a solid foundation for ongoing professional development, growth and renewal.

EDU8702 SCHOLARSHIP IN HIGHER EDUCATION: REFLECTION AND EVALUATION (FBELA - PGRD)
Semester 2 (WEB)Toowoomba
Units 1.0 (Teacher Education: Higher Educ) Band 5
Higher education scholars will be introduced to the key capacity-building processes of constructive evaluation and self-reflection. This will support the development of research competences (e.g. practical, theoretical, scholarly etc.) in higher education and engage in an action learning process to identify and develop an ongoing cycle for improvement for their teaching. This course seeks to recognise and apply appropriate development activities or other relevant activities that can be demonstrated as contributing to the development of teaching capacities in higher education educators.

EDU8704 NEW PEDAGOGIES (FBELA - PGRD)
Semester 2 (WEB)Toowoomba
Units 1.0 (Education Studies) Band 5
The course will explore the impacts of and the effects of a move to the decolonisation of education generally, and will focus specifically on “new” (to Western eyes) pedagogies such as Rest pedagogy (Sandy Grande), Kaupapa Māori pedagogy (Linda Tuhai Smith, Graham Smith, Ruahine Fishburn), Indigenous pedagogy (Meriam Mayer) and Islamic perspectives on learning (Christopher Stonebanks). A major theme of the semester will be to connect the Western critical traditions to these emerging decolonialist pedagogies. Major themes in the critical tradition of pedagogies will be furthered and critiqued in the intellectual and critical traditions in which they have been worked, presented, and will specifically examine new critical pedagogy in practice.

EDU8712 CONTEMPORARY APPROACHES TO ALTERNATIVE EDUCATION (FBELA - PGRD)
Semester 3 (WEB)Toowoomba
Units 1.0 (Curriculum Studies) Band 5
This course commences with an exploration of the roots of formal education, and the evolution of curriculum and pedagogy. Participants engage in a critical exploration of the development of curriculum and pedagogies globally, considering the impact of national curricula, testing and reporting; they consider the impact of the raising of school leaving age and the use of flexible learning and vocational and community strategies for re-entraining school leavers. Participants explore the implementation of alternative education in their own workplaces, and small school closure widespread. Participants engage in a critical analysis of the possible reasons for student disengagement in their chosen educational context, discussing and analysing a range of alternative epistemologies and pedagogical practices applicable to that context.

EDU8719 CONTEMPORARY ISSUES IN HIGHER EDUCATION (FBELA - PGRD)
Semester 2 (WEB)Toowoomba
Units 1.0 (Education Studies) Band 5
The course will be structured around an online conference that will include several themes or strands that reflect current trends and is based in education. Students will have a proposal for a paper in which they will develop their proposal through research and writing and participate in the conference. The course will be delivered via an online conference environment. Students will be required to develop presentations and participate in the conference. The course will provide an opportunity for students to develop critical thinking and research skills and will be delivered via an online conference environment. Students will be required to develop presentations and participate in the conference. The course will provide an opportunity for students to develop critical thinking and research skills and will be delivered via an online conference environment. Students will be required to develop presentations and participate in the conference.
EDX1200 FOUNDATIONS OF NUMERACY (FBELA - UGRD)
Semester 2 (ONC) (Springfield) (WEB) (Toowoomba) (ONC) (Toowoomba)
Semester 3 (WEB) (Toowoomba)
Units 1.0 (Teacher Education) Band 5
Foundations of Numeracy is a shared course for the specialisations of Early Childhood, Primary and Middle Special Education and will focus on aspects of teaching, planning and assessing the number and algebra strand of the Australian mathematics curriculum, underpinned by a clear understanding of relevant subject matter knowledge and current theories of learning and teaching. An approach to teaching that is based on thinking strategies rather than rule driven processes is emphasised. Consequently, methods of doing and teaching mathematics experienced during the course are likely to be different to those experienced in the students' own schooling. Past and present practices will be critically examined in the light of research findings, curriculum documents and teaching practice. The course also helps to ensure that students themselves have an appropriate level of mathematical understanding and proficiencies to undertake their professional roles.

EDX1450 HPE CURRICULUM AND PEDAGOGY (FBELA - UGRD)
Semester 2 (ONC) (Springfield) (WEB) (Toowoomba) (ONC) (Toowoomba)
Semester 3 (WEB) (Toowoomba)
Units 1.0 (Teacher Education) Band 5
This course explores pedagogical and curriculum considerations for teaching the current Health and Physical Education (HPE) curriculum. In this role the pre-service teacher is expected to develop an understanding of the principles that underpin the curriculum and to develop a repertoire of teaching strategies to accommodate the needs and learning experiences of diverse groups of students. The course will also focus on the development of the knowledge and skills necessary to design and plan integrated and inclusive learning experiences that will enhance the learning opportunities for all children and incorporate the social justice principles of equity, diversity and supportive environments. There is a particular focus on developing competencies needed for planning and teaching, based on appropriate educational research, and relevant learning experiences aligned with assessment processes; management of classes and environments; integration of cross-curriculum priorities and general capabilities into the teaching and learning content, and the impact of these considerations on the enacted curriculum are examined. Pre-service teachers will have the opportunity to learn and practice skills and develop confidence in effective teaching practices specifically related to teaching HPE. It is expected that pre-service teachers will become increasingly independent and reflective practitioners.

EDX1260 TEACHING SCIENCE FOR UNDERSTANDABILITY (FBELA - UGRD)
Semester 1 (ONC) (Springfield) (WEB) (Toowoomba) (ONC) (Toowoomba)
Semester 3 (WEB) (Toowoomba)
Units 1.0 (Teacher Education) Band 5
The aim of the course is to develop students’ understanding of content for science, in parallel with their awareness of ways of transforming this understanding of the content for the learners in their classroom. Students will have the opportunity to examine their own misconceptions, and to understand how such misconceptions might be avoided. Problem-solving skills will be developed together with an approach to science that incorporates inquiry and scientific literacy. Content will include 1: Scientific concepts from the science curriculum 2: Application of scientific pedagogical content knowledge, and the development of suitably transformed content which would be accessible for learners in an appropriate year level.

EDX1160 SCIENCE CURRICULUM AND PEDAGOGY (FBELA - UGRD)
Semester 2 (ONC) (Springfield) (WEB) (Toowoomba) (ONC) (Toowoomba)
Semester 3 (WEB) (Toowoomba)
Units 1.0 (Teacher Education) Band 5
The aim of the course is to develop students’ understanding of pedagogical strategies to address the Australian Curriculum in Science. This course is focused on students’ awareness of ways of transforming this understanding of the content for the learners in their classroom. Students will have the opportunity to examine their own misconceptions, and to understand how such misconceptions might be avoided. Problem-solving skills will be developed together with an approach to science that incorporates inquiry and scientific literacy. Content will include 1: Scientific concepts from the science curriculum 2: Application of scientific pedagogical content knowledge, and the development of suitably transformed content which would be accessible for learners in an appropriate year level.

EDX2170 ENGLISH CURRICULUM AND PEDAGOGY (FELC - UGRD)
Semester 1 (WEB) (Toowoomba)
Semester 2 (ONC) (Springfield) (ONC) (Toowoomba) (WEB) (Toowoomba)
Semester 3 (ONC) (Springfield) (WEB) (Toowoomba)
Units 1.0 (Teacher Education) Band 5
This course examines current theories and issues in literacy education. There will be a focus on curriculum and pedagogy for literacy learning, and the English curriculum in particular, by studying a variety of articles that touch on the teaching of reading and writing and how people's literature to develop a flexible repertoire of practices for planning and implementing teaching and learning experiences. This will build on an understanding of the complexities of teaching literacy as a discipline.

EDX2190 AUSTRALIAN HISTORY AND PEDAGOGY (FBELA - UGRD)
Semester 1.0 (Teacher Education) Band 5
This course engages students in a comprehensive, critical and evaluative exploration of the major events and issues of Australian history. The course will also focus on how to cater for diverse learners in the classroom and an awareness of the social and political contexts of Australian history.

EDX2280 MATHEMATICS CURRICULUM AND PEDAGOGY (FBELA - UGRD)
Semester 1.0 (ONC) (Springfield) (WEB) (Toowoomba) (ONC) (Toowoomba)
Semester 3 (WEB) (Toowoomba)
Units 1.0 (Teacher Education) Band 5
Pre-requisites: EDX1210
Students will examine a variety of concepts from each strand within the primary school and middle school mathematics curriculum. Past and present practices will be critically examined in the light of research findings, curriculum documents and teaching practice. These practices will be analysed, compared, adapted, modified and refined in the context of group discussion and guided workshop activities. Readings, computers and focus questions will be used to help students identify and address challenges faced by the typical teacher of mathematics. Students will be encouraged to build frameworks for thinking about and articulating their own approaches to teaching mathematics.

EDX1301 COMPUTER ENGINEERING (FHESC - UGRD)
Semester 1.0 (ONC) (Springfield) (ONC) (Toowoomba) (WEB) (Toowoomba)
Units 1.0 (Computer Engineering) Band 5
This course provides a fundamental understanding of the operation of the digital computer. It includes digital logic fundamentals, number systems, binary arithmetic, computer architecture, busing, address modes, memory, instruction sets, machine and assembly language programming, analog to digital conversion, input/output methods, general interface techniques and an introduction to PLC's with practical examples.

EDX1520 ELECTRONIC CIRCUITS (FHESC - UGRD)
Semester 1.0 (ONC) (Springfield) (ONC) (Toowoomba) (WEB) (Toowoomba)
Units 1.0 (Electrical Engineering) Band 5
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 design and present electronic and electrical circuitry, present circuits in parallel with their awareness of ways of transforming this understanding of the content for the learners in their classroom. Students will have the opportunity to examine their own misconceptions, and to understand how such misconceptions might be avoided. Problem-solving skills will be developed together with an approach to science that incorporates inquiry and scientific literacy. Content will include 1: Scientific concepts from the science curriculum 2: Application of scientific pedagogical content knowledge, and the development of suitably transformed content which would be accessible for learners in an appropriate year level.

EDX1801 ELECTRICAL TECHNOLOGY (FHESC - UGRD)
Semester 2 (ONC) (Springfield) (WEB) (Toowoomba) (ONC) (Toowoomba)
Semester 3 (WEB) (Toowoomba)
Units 1.0 (Electrical Engineering) Band 5
Pre-requisites: ENG1500 or MAT1500 or ENM1500 or ENM1600 or Students must be enrolled in one of the following Programs: MEM or GCEN
Electrical engineering is about the use of electrical and electronic technology to achieve most of our daily needs. To understand how many things that we use every day work, electrical engineers are needed for planning and teaching, based on appropriate pedagogical strategies that incorporate inquiry and scientific literacy. Content will include 1: Scientific concepts from the science curriculum 2: Application of scientific pedagogical content knowledge, and the development of suitably transformed content which would be accessible for learners in an appropriate year level.

EDX1502 ELECTRONIC CIRCUITS (FHESC - UGRD)
Semester 1.0 (ONC) (Springfield) (ONC) (Toowoomba) (WEB) (Toowoomba)
Units 1.0 (Electrical Engineering) Band 5
Pre-requisites: ENG1500 or MAT1500 or ENM1500 or ENM1600 or Students must be enrolled in one of the following Programs: MEM or GCEN
This course provides a fundamental understanding of the operation of the digital computer. It includes digital logic fundamentals, number systems, binary arithmetic, computer architecture, busing, address modes, memory, instruction sets, machine and assembly language programming, analog to digital conversion, input/output methods, general interface techniques and an introduction to PLC's with practicalexamples.

EDX1520 ELECTRONIC CIRCUITS (FHESC - UGRD)
Semester 1.0 (ONC) (Springfield) (ONC) (Toowoomba) (WEB) (Toowoomba)
Units 1.0 (Electrical Engineering) Band 5
Pre-requisites: ENG1500 or MAT1500 or ENM1500 or ENM1600 or Students must be enrolled in one of the following Programs: MEM or GCEN
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 design and present electronic and electrical circuitry, present circuits in parallel with their awareness of ways of transforming this understanding of the content for the learners in their classroom. Students will have the opportunity to examine their own misconceptions, and to understand how such misconceptions might be avoided. Problem-solving skills will be developed together with an approach to science that incorporates inquiry and scientific literacy. Content will include 1: Scientific concepts from the science curriculum 2: Application of scientific pedagogical content knowledge, and the development of suitably transformed content which would be accessible for learners in an appropriate year level.

EDX1801 ELECTRICAL TECHNOLOGY (FHESC - UGRD)
Semester 2 (ONC) (Springfield) (WEB) (Toowoomba) (ONC) (Toowoomba)
Semester 3 (WEB) (Toowoomba)
Units 1.0 (Electrical Engineering) Band 5
Pre-requisites: ENG1500 or MAT1500 or ENM1500 or ENM1600 or Students must be enrolled in one of the following Programs: MEM or GCEN
Electrical engineering is about the use of electrical and electronic technology to achieve most of our daily needs. To understand how many things that we use every day work, electrical engineers are needed for planning and teaching, based on appropriate pedagogical strategies that incorporate inquiry and scientific literacy. Content will include 1: Scientific concepts from the science curriculum 2: Application of scientific pedagogical content knowledge, and the development of suitably transformed content which would be accessible for learners in an appropriate year level.

EDX1801 ELECTRICAL TECHNOLOGY (FHESC - UGRD)
Semester 2 (ONC) (Springfield) (WEB) (Toowoomba) (ONC) (Toowoomba)
Semester 3 (WEB) (Toowoomba)
Units 1.0 (Electrical Engineering) Band 5
Pre-requisites: ENG1500 or MAT1500 or ENM1500 or ENM1600 or Students must be enrolled in one of the following Programs: MEM or GCEN
Electrical engineering is about the use of electrical and electronic technology to achieve most of our daily needs. To understand how many things that we use every day work, electrical engineers are needed for planning and teaching, based on appropriate pedagogical strategies that incorporate inquiry and scientific literacy. Content will include 1: Scientific concepts from the science curriculum 2: Application of scientific pedagogical content knowledge, and the development of suitably transformed content which would be accessible for learners in an appropriate year level.
Automated assembly using surface mount technology is introduced. The course provides practical experience and documentation of electronic equipment. The principles of manufacturing processes and to acquire competency in the design, construction, and testing of electronic equipment. This will enable the student to comprehend the principles of modern manufacturing techniques, and to develop practical design skills.

ELE2101 CONTROL AND INSTRUMENTATION (FHESC - UGRD)
Semester 2 (ONC)/Toowoomba
Units 1.0 (Electrical, Electronic) Band 2
Pre-requisite: EMTH1501 or EMTH1601 or Students must be enrolled in one of the following Programs: MEIP or GCEN

This course covers the elements of classical control. A good grounding in the understanding of the dynamic behaviour of systems is fundamental to the control of any modern systems. Standard techniques for modifying the behavior of control systems are introduced. In particular, a number of studies of real control systems are used to bring together the topics previously covered.

ELE2103 LINEAR SYSTEMS AND CONTROL (FHESC - UGRD)
Semester 2 (ONC)/Toowoomba
Units 1.0 (Electrical, Electronic) Band 2
Pre-requisite: EMTH1501 or EMTH1601 or Students must be enrolled in one of the following Programs: MEIP or GCEN

Given that all engineering processes are time varying in nature, it is highly desirable to be able to model and hence predict their behaviour in time. This course initiates the skills necessary for the analysis, modification, and control of specific dynamic behaviour in dynamic engineering systems. At present, it is linear analysis which provides the means to solve such problems. In an engineering context, the ability to control the dynamic performance of an element is an essential part of the systems design process. The study of classical control techniques and hardware provides an introduction to many of the problems required of the control engineer. Attention will be restricted to single input single output systems.

ELE2303 EMBEDDED SYSTEMS DESIGN (FHESC - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Computer Engineering) Band 2
Pre-requisite: ELE1502 and ELE1801 or Students must be enrolled in the following Programs: GCEN or METC

This course develops the techniques used in microcomputer design, interfacing hardware, and applications. It includes microprocessor architecture and C and some assembly language programming. I/O methods and in software, hardware and system design, and applications. Computer systems and computer architecture are included. Students study microprocessors. A hardware and software design project is used to develop practical design skills.

ELE2501 ELECTRONIC WORKSHOP AND PRODUCTION (FHESC - UGRD)
Semester 2 (ONC)/Toowoomba
Units 1.0 (Electrical, Electronic) Band 2
Pre-requisite: ELE1502 and ELE1801 or Students must be enrolled in the following Program: GCEN

A technical officer or professional engineer, employed in the electrical and electronics industry, will at some time be involved in the design and development of electronic equipment. A knowledge of manufacturing processes and construction practice is therefore necessary, whether developing new processes, improving existing processes, using manual skills "hands on" or supervising others using these skills. The information presented in this course will provide the necessary background to manufacturing processes and the manual skills necessary to develop a final product. The aim of this course is to enable the student to comprehend the principles of modern manufacturing techniques, and to develop practical design skills. Students will acquire competency in the design, construction, and testing of electronic equipment. The principles of component selection, printed circuit design using CAD software, fabrication and assembly techniques are presented and modern so-tomilled assembly using surface mount technology is introduced.

ELE2503 ELECTRONIC SYSTEMS (FHESC - UGRD)
Semester 2 (ONC)/Toowoomba
Units 1.0 (Electronic, Engineering) Band 2
Pre-requisite: ELE1502 or Students must be enrolled in the following Program: GCEN

Completion of this course will enable an understanding of the operation of most of the basic circuits found in electronic equipment of both an analogue and digital nature. The transistor as an amplifier is treated leading to an understanding of differential amplifiers and power amplifiers, but also extending briefly to high frequency effects and problems of handling small voltage signals. This leads to a con sideration of operational amplifier small scale effects and to the questions of analogue measurements and instrumentation amplifiers. The effect of capacitive and analogue circuit performance is covered leading to active filters and the theory of oscillation in a context of feedback theory. Selected analog voltage regulators are introduced as well as the operation of monostable and astable circuits, waveform generating circuits and interfaces between simple analogue and digital signal areas.

ELE2504 ELECTRONIC DESIGN AND ANALYSIS (FHESC - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Electronic, Engineering) Band 2
Pre-requisite: ELE1502 or Students must be enrolled in one of the following Programs: MEIP or GDNS or MEIN or GCEN or GCEN

Familiarity with electronic devices and circuits is fundamental to electronic engineering and will be assumed here. This course will further develop both in breadth and depth that which was covered in the preceding courses, with a specific focus on the design of modern developing digital skill. Topics to be covered will include; semiconductor devices (discrete and integrated), logic design and logic design techniques, operational amplifiers, operational amplifiers, filter design, feedback, oscillators, power supplies, selected circuits used in communication systems.

ELE2601 TELECOMMUNICATIONS PRINCIPLES (FHESC - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Communications Technologies) Band 2
Pre-requisite: ELE1502 and ELE1801 or Students must be enrolled in one of the following Programs: EDCO or GCEN

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, communications systems operate. It examines the nature of signals in both the time and frequency domain and considers how information signals may be transmitted using modulated carrier signals. Radio frequency transmission lines, radio wave propagation and basic antennas are included. The course also covers fibre-optic data communication systems.

ELE2702 ELECTRICAL MEASUREMENT AND ANALYSIS (FHESC - UGRD)
Semester 1 (ONC)/Toowoomba
Units 1.0 (Electrical, Electronic) Band 2
Pre-requisite: ELE1502 or Students must be enrolled in the following Program: GCEN

In electronic, electrical and instrumentation industries, engineers and technicians perform tests and measurements for quality assurance and performance evaluation to comply with Australian Standards. They need to acquire basic knowledge and skills in electrical analogue measurement techniques and to become familiar with Australian Standards. Topics in this course deal with theoretical aspects of using analogue measuring instruments and test equipment, and analytical techniques for performance evaluation of components, devices and circuits.

ELE2704 ELECTRICITY SUPPLY SYSTEMS (FHESC - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Electrical, Electronic) Band 1
Pre-requisite: ELE1502 or Students must be enrolled in one of the following Programs: MEIP or GCEN or METC

This course introduces the principles and practical aspects of generation, transmission and control of electrical energy. In a successful completion of this course, the student should be able to discuss the technical, economical and environmental considerations of planning and operating different types of electrical plant (generators, transformers, circuit breakers, load controllers and transmitters), as well as principles of substation layout, control, network optimization and protection. The student should also be aware of the theoretical principles of system stability, load flow, and fault analysis of power systems using computing software tools.

ELE2707 ELECTRICAL ENERGY SYSTEMS (FHESC - UGRD)
Semester 1 (ONC)/Toowoomba
Units 1.0 (Electrical, Electronic) Band 1
Pre-requisite: ELE1502 or Students must be enrolled in one of the following Programs: GCEN or GCEN or MEIN or METC

This course introduces the principles and practical aspects of generation, transmission and control of electrical energy. In a successful completion of this course, the student should be able to discuss the technical, economical and environmental considerations of planning and operating different types of electrical plant (generators, transformers, circuit breakers, load controllers and transmitters), as well as principles of substation layout, control, network optimization and protection. The student should also be aware of the theoretical principles of system stability, load flow, and fault analysis of power systems using computing software tools.

ELE2913 ELECTRICAL AND ELECTRONIC SYSTEMS DESIGN (FHESC - UGRD)
Semester 2 (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: EDCO or GCEN

The purpose of this practice course is to provide experimental support for the 2nd and 3rd levels of all programs in Electrical & Electronic, Telecommunications, and Power Engineering. This practice course provides the fundamental knowledge of the theory of oscillation and practical work experience in the following areas: Pulse and digital waveforms, Transistor and integrated circuit amplifiers, Operational Amplifiers, oscillators, filters and the theory of oscillation in a context of feedback theory. Selected analog voltage regulators are introduced as well as the operation of monostable and astable circuits, waveform generating circuits and interfaces between simple analogue and digital signal areas.

ELE3105 COMPUTER CONTROLLED SYSTEMS (FHESC - UGRD)
Semester 2 (ONC)/Toowoomba
Units 1.0 (Electrical, Electronic) Band 2
Pre-requisite: ELE2102 or Students must be enrolled in one of the following Programs: GDNS or GCEN or MEIN or MEIP or GCEN

To apply control to any 'real' problem, it is first necessary to express the system to be controlled in mathematical terms. The 'state space' approach is taught both for expressing the system dynamics and for analysing stability both before and after feedback is applied. These concepts involve realization and expansion of matrix manipulation and the solution of differential equations. By defining a time step to be small, these state equations give a means of simulating the system and its controller for both linear and nonlinear cases. Many of the experimental set-ups, on-line control now involve a computer, which applies control actions at discrete intervals of time rather than continuously. It is shown that discrete-time systems which have much in common with the continuous ones. Simulation techniques on discrete systems are examined. The course is divided into two parts. The first, 9 or 10 weeks, covers the fundamentals of the 'state space' approach. The operator is first introduced with the meaning of 'state', resulting in a higher order differential representation to be shown to be a simple state, and a transform to discrete time. It is shown that the discrete-time transfer functions are identical and can be simulated from the Laplace transform of the continuous system, with additional terms to represent the zero order hold of the DAC. Analysis of stability in terms of the roots of a characteristic equation are seen to be parallel to the continuous methods and techniques of pole assignment and root locus are also seen to correspond. Techniques are presented for synthesizing transfer functions by means of a few lines of computer code, to make stable control possible for systems which would be unstable with simple feedback.

ELE3107 SIGNAL PROCESSING (FHESC - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Electrical, Electronic) Band 2
Pre-requisite: ELE2102 or Students must be enrolled in one of the following Programs: GCEN or GCEN or MEIP or GCEN or METC

Signal processing is the treatment of signals to enable detection, classification, transmission or enhancement. Such signals may, for example, be the apparent noise generated by a mechanical process, music, speech or other audio, or a video image. This course aims to give the student a thorough introduction to the basic techniques of digital signal processing. Practical applications of signal processing are envisaged via directed experimentation and assignment work.
ELE3505 ELECTRONIC MEASUREMENT (FHEC - UGRD) Semester 2 (WEB)Toowoomba (ONC)Toowoomba Units 1.0 (Electronic Engineering) Band 2

Pre-requisite: ELE1801 or Students must be enrolled in one of the following Programs: GCEN or METC or MENG or GCNS or MENP

Central to the profession of all electrical engineers, measurement of electrical quantities and to a lesser degree other physical quantities, forms part of day to day practice. To measure some quantities an electrical equivalent is required and the specialist who designs, builds and maintains instruments capable of making this measurement is the measurement engineer. The course covers the theory and practical aspects of the measurement of electrical quantities, which are used in industry and the services in such a way as to provide the most reliable information for the decision making process. If the instrument is to function correctly, the knowledge of both wave propagation and electromagnetics is essential in all branches of electrical engineering.

ELE3915 ELECTRICAL AND ELECTRONIC PRACTICE E (FHEC - UGRD) Semester 2 (EXT)Toowoomba (ONC)Toowoomba Units 0.0 (Elect and Elec Eng and Telech) Band 2

Pre-requisite: ELE1901 and ELE1905 and ELE2902 or Students must be enrolled in one of the following Programs: GCEN or METC or MENG or GCNS or MENP

This is the final practical course for Bachelor of Engineering Students majoring in Electrical and Electronic or Computer Systems Engineering. This course provides experimental work and project work in the areas of automatic electronic test equipment, power electronics, applied control, electronic design, computer systems & shell scripting and networking & VoIP systems. The purpose of the course is to allow the student to develop skills of techniques, apply theory and interact with phenomena in real situations, and further develop problem identification and solution skills together with a capacity for self learning. A significant proportion of the course is devoted to group based project work.

ELE4605 FIELD AND WAVES (FHEC - UGRD) Semester 1 (WEB)Toowoomba (ONC)Toowoomba Units 1.0 (Communications Technologies) Band 2

Pre-requisite: (ELE3102 or ELE3100) and ELE2505 or ELE2501 or Students must be enrolled in one of the following Programs: GCEN or METC or MENG or GCNS or MENP

This course provides an introduction to the key concepts behind radio, radar, navigation, radio communication and broadcast systems and provide a foundation for advanced study in these areas. These are fundamental to understanding how electrical fields are generated and how these fields interact with surrounding objects. This is a fundamental course for future placement in any of the engineering science degree programs.

ELE3803 ELECTRICAL PLANT (FHEC - UGRD) Semester 1 (WEB)Toowoomba (ONC)Toowoomba Units 1.0 (Electrical Engineering) Band 2

Pre-requisite: ELE1901 or Students must be enrolled in one of the following Programs: GCEN or METC or MENG or GCNS or MENP

Electricity touches almost every aspect of our lives and occupations. In Electrical and Electronic Engineering, students develop skills and knowledge in the selection, installation, operation, control and maintenance of electrical equipment such as transformers, power supplies, motors, generators and other types of energy converters found in the workplace. It provides students with skills to carry out performance analysis of electrical equipment, power generation and supply systems and conduct energy audit of electrical installations.

ELE3804 POWER SYSTEMS PROTECTION (FHEC - UGRD) Semester 1 (WEB)Toowoomba (ONC)Toowoomba Units 1.0 (Electrical Engineering) Band 2

Pre-requisite: ELE1901 or Students must be enrolled in one of the following Programs: GCEN or METC or MENG or GCNS or MENP

Modern society cannot function without a reliable supply of electricity. However, an electrical power system that is completely free from failure is neither economically justifiable nor technically feasible. A power system or some part of the power system will, under normal or abnormal circumstances, become faulted and as a result cease to operate as intended. A protection system, in the event of a fault, is required to maintain safety of personnel and members of the public, minimize damage to equipment, minimize interruption of supply and help maintain quality of supply. This course will help students develop the skills needed to design and carry out performance analysis of protection systems.

ELE3905 POWER ELECTRONICS PRINCIPLES AND APPLICATIONS (FHEC - UGRD) Semester 1 (WEB)Toowoomba (ONC)Toowoomba Units 1.0 (Electrical Engineering) Band 2

Pre-requisite: ETE1502 and ELE1901 or Students must be enrolled in one of the following Programs: GCEN or METC or MENG or GCNS or MENP

Power Electronics deals with the study of semiconductor devices and their applications in the industry. Power semiconductor devices, such as the diode, thyristor, triac and power transistor, are used in applications as switching devices. The modern electrical engineer requires knowledge of these devices and their applications in rectification, inversion, frequency conversion, dc to ac and ac machine control, 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.

ELE3907 POWER SYSTEMS ANALYSIS (FHEC - UGRD) Semester 1 (WEB)Toowoomba (ONC)Toowoomba Units 1.0 (Electrical Engineering) Band 2

Pre-requisite: ELE1901 and ELE1905 or ELE2902 or Students must be enrolled in one of the following Programs: GCEN or METC or MENG or GCNS or MENP

This course provides a broad understanding of the key concepts behind power systems studies. Power systems are dynamic systems and the students are required to apply these concepts to their studies. The course covers the theory and practical aspects of the power system, the operation of large interconnected power systems, power system stability and power economics.

ELE3914 ELECTRICAL AND ELECTRONIC PRACTICE D (FHEC - UGRD) Semester 1 (ONC)Toowoomba Units 0.0 (Elect and Elec Eng and Telech) Band 2

Pre-requisite: ELE1901 and ELE1905 and ELE2902 or Students must be enrolled in one of the following Programs: GCEN or METC or MENG or GCNS or MENP

This course provides students with a range of practical skills in the design and testing of electronic and electrical systems, including the completion of a major project. The course covers topics such as circuit design, power electronics, control systems, and signal processing. Students will also have the opportunity to work in teams and apply their knowledge to real-world problems.
The course examines the methods used for coding, transmitting and storing continuous signals such as speech, music, and 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 and to select topics suitable for students who may wish to undertake research and development work in this important field.

**ELE5001 INDUSTRIAL COMMUNICATIONS PROTOCOLS** *(FHESC - PGRD)*

Semester 1 (ONC) Toowoomba (WEB) | Toowoomba (ONC)
Units 1.0 (Communications Technologies) | Band 2
Pre-requisite: ENG1301 or Students must be enrolled in the following Program: GCSN or MENG or GCNGN or MENS or MEPR

The course focuses on industrial control networks. It builds upon knowledge and skills developed in undergraduate courses on data communications systems typically covering local and area networks such as Ethernet and higher level protocols such as TCP/IP. The major differences between industrial networks and the conventional computer or data communication systems are considered in detail. Factors influencing the choice of industrial communication protocols for a given application and the factors affecting the Quality of Service (QoS) parameters are deducted and evaluated.

**ELE5002 INDUSTRIAL COMMUNICATIONS SYSTEMS** *(FHESC - PGRD)*

Semester 2 (WEB) | Toowoomba (ONC)
Units 1.0 (Communications Technologies) | Band 2

This course focuses on deterministic and time varying transmission of industrial data within a wide area network. It builds on concepts covered in ELE5001. Engineering sciences courses such as signal processing, modulation and transmission principles. Emphasis is placed on the analysis of networks for secure transmission of sensitive and safety critical data.

**ENG102 INTRODUCTION TO ENGINEERING AND SPATIAL APPLICATIONS** *(FHESC - UGRD)*

Semester 1 (ONC) | Springfield (WEB) | Toowoomba (ONC)
Semester 2 (ONC) | Springfield (WEB) | Toowoomba (ONC)
Units 2.0 (EnginTech not classified) | Band 2

The purpose of this course is to introduce students to the engineering and spatial sciences profession, to provide them with an understanding of the fundamental concepts 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, the role of engineering science in modern society, its role in industry, its changing nature, the changing nature of work in industry, and the nature of professional practice skills. Students will work in small teams on design-based projects that enable them to demonstrate problem solving and design optimisation skills. Completion of the chosen project shall validate their achievement of the graduate attributes required for an Associate Degree program. Each group of students will work on an engineering-related project or in which they will collectively develop design options, carry out cost-benefit analysis and recommend a solution that is optimised within safety and sustainability. Undergraduate students in industry are welcome, but may not be offered in the same year as any other offerings. Students are advised to contact their course coordinator to determine the availability of any offered in industry.

**ENG103 PROBLEM SOLVING IN ENGINEERING AND THE BUILT ENVIRONMENT** *(FHESC - UGRD)*

Semester 1 (ONC) | Springfield (WEB) | Toowoomba (ONC)
Semester 2 (ONC) | Springfield (WEB) | Toowoomba (ONC)
Units 1.0 (EngTech not classified) | Band 2

This course provides students with a foundation for solving problems in engineering and the built environment. 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 reinforce the skills and knowledge acquired during the course.

**ENG104 ENGINEERING AND SPATIAL PROBLEM SOLVING PRINCIPLES** *(FHESC - UGRD)*

Semester 1 (ONC) | Springfield (ONC) | Toowoomba (WEB) | Toowoomba (ONC)
Semester 2 (ONC) | Springfield (WEB) | Toowoomba (ONC) | Toowoomba (ONC)
Units 1.0 (EngTech not classified) | Band 2

This course covers the fundamental principles of Engineering and Spatial Science problem solving. It emphasises the development of skills in critical thinking, data analysis, information literacy, communication, time and resource management, and teamwork. It introduces students to the problem solving cycle and to a number of analytical tools and approaches for solving problems. Completion of a team-based project allows students to reinforce the skills and knowledge acquired during the course.

**ENG1100 INTRODUCTION TO ENGINEERING DESIGN** *(FHESC - UGRD)*

Semester 1 (ONC) | Springfield (ONC) | Toowoomba (WEB) | Toowoomba (ONC)
Semester 2 (ONC) | Springfield (WEB) | Toowoomba (ONC) | Toowoomba (ONC)
Units 1.0 (Computer Graphics) | Band 2

The rationale for this course is to motivate students by fostering one ability and introducing conceptual design, sustainable design in engineering, industrial design, computer aided design and drafting early in the course. Early training and practice in the engineering design studio, the introduction to engineering handbooks and commercial catalogues is necessary for a foundation to which students can relate future studies in the more advanced courses of the program. Engineers need skills in the integration and communication and spatial vision in the practice of their profession.

**ENG1901 ENGINEERING PRACTICE 1** *(FHESC - UGRD)*

Semester 1 (ONC) | Springfield (ONC) | Toowoomba (WEB) | Toowoomba (ONC)
Semester 2 (ONC) | Toowoomba (EXT) | Toowoomba (ONC)
Units 0.0 (EngTech 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. Engineering practice skills such as the ability to perform practical and project related tasks, error control in a digital transmission system, professional practice skills such as negotiation and interactive thinking. The available projects will require students to apply their discipline-specific skills and knowledge acquired during their Associate Degree program.

**ENG2111 ENGINEERING ASSOCIATE DEGREE DESIGN PROJECT** *(FHESC - UGRD)*

Semester 2 (ONC) | Springfield (ONC) | Toowoomba (WEB) | Toowoomba (ONC)
Units 1.0 (EngTech not classified) | Band 2

Pre-requisite: ENG1100 and (ENG1101 or ENG1103)

Students will work in small teams on design-based projects that enable them to demonstrate problem solving and design optimisation skills. Completion of the chosen project shall validate their achievement of the graduate attributes required for an Associate Engineering. Each group of students will work on an engineering-related project in which they will collectively develop design options, carry out cost-benefit analysis and recommend a solution that is optimised within safety and sustainability. Undergraduate students in industry are welcome, but may not be offered in the same year as any other offerings. Students are advised to contact their course coordinator to determine the availability of any offered in industry.

**ENG2909 WORK EXPERIENCE - ASSOCIATE** *(FHESC - UGRD)*

Semester 1 (WEB) | Toowoomba
Semester 2 (WEB) | Toowoomba
Units 0.0 (EngTech not classified) | Band 2

Students must complete a minimum of 30 days of professional practice in their discipline field to be eligible to graduate from the Associate Degree of Engineering program. This work experience is intended to enable students to apply their engineering and professional practice skills they acquire within the workplace. Work experience may be achieved in numerous ways ranging from roles as junior members of teams to tasks that form part of discrete engineering projects. This experience should enhance a student's ability to perform practical and project work, to be innovative, to solve problems and identify solutions, thereby developing engineering judgement. Students will prepare a career episode report (CER) of less than two pages in length in which they compare their acquired competencies to at least two Engineers Australia (EA) stage 1 competency units. A diary with regular entries must be maintained and periodically certified by the work experience provider as a true and faithful record of the hours the student has completed. The CER prepared for ENG2909 may be used as a part of the required documentation when applying to Engineers Australia for registration as a professional engineer. Students should demonstrate at least a basic achievement in two elements drawn from Appendix C, the Associate Degree of Engineering handbook for Chartered status, Engineers Australia. On-campus students are advised to contact the Industry Experience and Development Office at Student services for assistance with work experience queries. Both on-campus and external students will be required to submit their CER and work diary electronically for review and assessment by the due date to permit timely assessment.

**ENG2911 AD CAPSTONE PROJECT** *(FHESC - UGRD)*

Semester 2 (WEB) | Toowoomba
Units 2.0 (EngTech not classified) | Band 2

Students will work in small teams on design-based projects that enable them to demonstrate achievement of the graduate attributes required for an Engineering Associate Degree program. Each group of students will work on a discipline-related project for which they will collectively develop design solutions, carry out cost-benefit analysis and recommend a solution that is optimised within safety and sustainability. Undergraduate students in industry are welcome, but may not be offered in the same year as any other offerings. Students are advised to contact their course coordinator to determine the availability of any offered in industry.

**ENG3003 ENGINEERING MANAGEMENT** *(FHESC - UGRD)*

Semester 1 (ONC) | Springfield (WEB) | Toowoomba (ONC)
Semester 3 (ONC) | Toowoomba (ONC) | Toowoomba (ONC)
Units 1.0 (EngTech not classified) | Band 2

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 career, and a sound understanding of managerial and professional practice skills and the legal implications of managing an engineering organisation is essential that graduate engineers have an understanding of the basic principles of management and their application in engineering organisations. Graduates also need an appreciation of the social environment and the legal and ethical implications pertaining to the engineering profession.

**CRICOS: QLD 00244B, NSW 02225M | TEQSA: PRV12081**

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EN3104 ENGINEERING SIMULATIONS AND COMPUTATIONS (FHESC - UGRD)
Semester 2 (ONC) | Sprigfield (WEB) | Toowoomba (ONC) | Toowoomba
Units 1.0 | (EnginTech not classified) | Band 2
Pre-requisite: (ENG3200 or MET4202 or MAT4205) or Students must be enrolled in one of the following Programs: UCEN or GDET or METC or MENS or GCNS or GDNS or MENS.

EN3132 TECHNOLOGY WORK-INTEGRATED LEARNING PROJECT B (FHESC - UGRD)
Semester 1 (WEB) | Toowoomba
Units 0.0 | (EnginTech not classified) | Band 2
Pre-requisite: ENG3200 and students must be enrolled in the BENS engineering practice sub-plan pathway.

An outcome of ENG3200 Self-Assessment Workplace Portfolio is the nomination of up to two courses within the Engineering Science-curriculum for which credit is sought based on prior work experience. Credit for up to two of those courses is granted on successful completion of this course which includes a work-integrated learning (WIL) report. It is required that the report is planned and produced so that it demonstrates achievement of all the learning objectives of those nominated courses. Credit for any other courses nominated in ENG3200 is granted on successful completion of ENG3200, ENG3311 and/or ENG3312.

EN3302 PROFESSIONAL PRACTICE 1 (FHESC - UGRD)
Semester 1 (ONC) | Toowoomba (EX/TO)
Units 0.0 | (EnginTech not classified) | Band 2

This is the first of two courses which address the practice of professional engineering and professional spatial science. The course is concerned largely with non-technical matters, independent of the specific disciplines, which involve the particular work undertaken, performance and responsibilities borne by the professional engineer and spatial scientist. The major manifestations of this professional practice are in the performance of professional development activities and the planning, execution and reporting of project work. Hence a major portion of the course content is devoted to the preparation for the commencement of your final year ENV4111 Research Project Part 1 and ENV4112 Research Project Part 2 (or ENG4111 Masters Dissertation B and ENV4112 Masters Dissertation B). This preparation includes consulting with supervising staff, a literature search and attendance at the annual “Project Conference” in which ENV4093 Professional Practice 2 students present their course project work to other students, staff and members of various professions. Students will also participate in, and report on, a range of laboratory sessions, demonstrations, seminars and workshops given by staff of the Faculty, the University and by industry representatives. Students are required to choose and self-manage the completion of similar professional activities, and the course is intended to enable students to document practical engineering and professional spatial practice. These professional development activities seek to provide the student with some insight into the “cutting-edge” of current engineering and surveying practice.

EN3309 WORK EXPERIENCE - TECHNOLOGIST (FHESC - UGRD)
Semester 1 (WEB) | Toowoomba
Semester 3 (WEB) | Toowoomba
Units 0.0 | (EnginTech not classified) | Band 2

Students must complete a minimum of 45 days of professional practice in their discipline field to be eligible to graduate from the Bachelor of Engineering Technology program. This work experience course is intended to enable students to document practical engineering and professional practice skills they acquire within the workplace. Work experience may be achieved in numerous ways ranging from roles as junior members or team leaders to tasks that form part of discrete engineering projects. This experience should enhance students’ ability to perform practical engineering work, be innovative, to solve problems and identify solutions, thereby developing engineering judgement. It is a significant learning experience that offers students the opportunity to practice their skills and abilities in a wide range of situations. The course is intended to be delivered in the workplace or in consultation with the supervisor.

EN3311 TECHNOLOGY DESIGN PROJECT (FHESC - UGRD)
Semester 2 (WEB) | Toowoomba
Semester 3 (WEB) | Toowoomba
Units 1.0 | (EnginTech not classified) | Band 2
Pre-requisite: ENG3200 and students must be enrolled in the BENS engineering practice sub-plan pathway.

The focus of this gateway course ENG3200 is the development of the student’s conceptual, critical and professional perspectives in the context of professional engineering practice by a number of assignments: - Demos - Development of a technical development pathway to the Bachelor of Engineering Technology Graduation Diploma. - Achievement of the Bachelor of Engineering Technology Graduation Diploma. - The performance of the Bachelor of Engineering Technology Graduation Diploma. - The performance of the Bachelor of Engineering Technology Graduation Diploma.

EN4004 ENGINEERING PROJECT AND OPERATIONS MANAGEMENT (FHESC - UGRD)
Semester 2 (ONC) | Sprigfield (WEB) | Toowoomba (ONC) | Toowoomba
Units 1.0 | (EnginTech not classified) | Band 2

This course provides students with the ability to (critically) evaluate research literature including standards, 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 that enable students to conduct research and prepare an original project in their professional area of interest. Students will be instructed in how to prepare and justify an appropriate research plan for a particular research problem, to choose and apply appropriate methodology, to judge the degree to which conclusions are supported by data, to present and interpret results and to evaluate the outcome of a research project in terms of useable knowledge, and to design, defend and evaluate research proposals, and to apply techniques for writing clear and well expressed technical papers and reports.

EN4111 RESEARCH PROJECT PART 1 (FHESC - UGRD)
Semester 1 (ONC) | Toowoomba (ONC) | Toowoomba
Units 1.0 | (EnginTech not classified) | Band 2
Pre-requisite: ENV4093 and ENV4110

The project (comprising ENV4111 Research Project Part 1 immediately followed by ENV4112 Research Project Part 2) is intended to integrate and augment the student’s total formal knowledge by means of its application to a real problem at the professional appropriate level. This course (being the first half of the project) will comprise firstly the selection, negotiation and approval of a project topic appropriate to the student’s major study. Following this the student will: (i) research the background, context and literature, (ii) develop an appropriate methodology, (iii) demonstrate a sound appreciation of the overall task and its constraints by formal reporting, and (iv) make substantial progress in the execution of the work.

EN4112 RESEARCH PROJECT PART 2 (FHESC - UGRD)
Semester 2 (ONC) | Toowoomba (ONC) | Toowoomba
Units 1.0 | (EnginTech not classified) | Band 2
Pre-requisite: ENV4111

Following satisfactory progress in ENV4111 Research Project Part 1 the student will be offered, and with the continuing guidance of supervisors, the student will further develop skills spanning both technical and non-technical areas at the professional level. This course will study and replicate the rationale, style and format of the academic dissertation and present the total project work (comprising ENV4111 Research Project Part 1 and ENV4112 Research Project Part 2) as a dissertation.

EN4903 PROFESSIONAL PRACTICE 2 (FHESC - UGRD)
Semester 1 (ONC) | Toowoomba
Units 0.0 | (EnginTech not classified) | Band 2
Pre-requisite: ENV3302

This is the second of two courses which address the work undertaken, professional opportunities and professional ethics of professional engineering and spatial science. As the final practice course, students will be expected to commit to a specified professional ethics program and use the project as a practical example of full-time professional practice. The course is concerned with the development of professional ethics and the application of professional ethics in professional practice. This course provides guidance and experience in both verbal (semi-narrative) and written reporting skills and is undertaken to complement the courses ENV4111 Research Project Part 1 and ENV4112 Research Project Part 2 or ENV4111 Masters Dissertation B & ENV4112 Masters Dissertation C in the final year of the degree. The presentation of a major seminar on an WIL undertaken during the final year project is a requirement for the completion of this course.
ENG4099 WORK EXPERIENCE - PROJECT (FHESC - UGRD)
Semester 1 (WEB)/Toowoomba
Units 0.0 (EnginTech not classified) Band 2
Students are required to complete a minimum of 40 days of professional practice in their discipline field to be eligible to graduate from the Bachelor of Engineering program. This work experience course is intended to enable students to document practical engineering and professional practice skills they acquire within the workplace. Work experience may be achieved in numerous ways ranging from roles as junior members of teams to tasks that form part of discrete engineering projects. This experience should enhance a student's ability to perform practical and project work, to be innovative, to solve problems and identify solutions, thereby developing their engineering judgement. Students will prepare a career episode report (CER) of less than four pages in length in which they reflect on their assessment competencies and how they relate to at least four (4) Engineer Australia competencies. The CER must be submitted and verified by a professional or supervisor as a true and faithful record of the hours the student has completed. The CER prepared for ENG4099 may be used as a part of the required documentation when applying to Engineer Australia for registration as a Chartered Professional Engineer. All students should demonstrate at least a basic achievement in four elements drawn from Appendix C, stage 1 competency units, AppI's hand book for Chartered status. Engineers Australia. On-campus students are advised to contact the Industry Experience and Development Office at Student Services for assistance with work experience queries. Both on-campus and external students will be required to submit their CER and work diary electronically for review and assessment by the due date to permit timely assessment.

ENG5001 PROFESSIONAL SKILLS IN ENGINEERING (FHESC - PGRD)
Semester 1 (ONC)/Toowoomba (WEB)/Toowoomba
Semester 2 (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (EnginTech not classified) Band 2
This course provides an opportunity to acquire and enhance the personal and professional skills required for them to succeed in their respective USQ engineering programs. Four themes are followed throughout the course. Firstly, the development of personal and social management skills and, secondly, the development of skills and understanding about the stages in, and processes used when applying the 'engineering method'. The learning is situated in the Australian context and case studies are used so students will acquire their knowledge and skills about the engineering and spatial science professions in a real-world environment. The first assessment item requires students to reflect on and self-assess their progress towards achieving Engineers Australia's Stage 1 Competencies and then map a pathway to help them achieve that goal. In the second assessment item, students will apply the engineering method to a project, and use basic project management skills to manage the processes in each stage of the method.

ENG6001 ENGINEERING RESEARCH METHODS (FHESC - PGRD)
Semester 1 (ONC)/Toowoomba (WEB)/Toowoomba
Semester 2 (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (EnginTech not classified) Band 2
This course provides students with the ability to critically evaluate research literature including 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 to enable them to conduct research and prepare an original project in their professional area of interest. Students will be instructed how to pre- pose and justify an appropriate research plan for a particular research 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 useable knowledge, and to design, defend and evaluate research proposals, and to apply techniques for writing clear and well expressed technical papers and reports.

ENG8020 ADVANCED ENGINEERING PROJECT MANAGEMENT (FHESC - PGRD)
Semester 1 (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (EnginTech not classified) Band 2
As most engineering works have a clear purpose and stipulated time frames, they are regulated by laws. It is expected that an engineering project reaches fulfillment within its required constraints in the given time. The course aims to familiarize students with the concepts, processes and tools of advanced project engineering project management. The course concludes with a discussion of specialised and emerging project management topics, designed to improve project management outcomes.

ENG8300 SELF-ASSESSMENT PORTFOLIO (FHESC - PGRD)
Semester 1 (WEB)/Toowoomba
Semester 2 (WEB)/Toowoomba
Semester 3 (WEB)/Toowoomba
Units 1.0 - 2.0 (EnginTech 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 an 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 plan the content of the Workplace Portfolio and Industrial Project courses that they will take to demonstrate their existing attributes and capabilities. 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 Career Episode Reports 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. The course concludes with a critical analysis of the program from the perspective of one of the student and the student before the final version of the Pathway to Graduation Plan and the other portfolio documents are submitted.

ENG8311 WORKPLACE PORTFOLIO (FHESC - PGRD)
Semester 1 (WEB)/Toowoomba
Semester 2 (WEB)/Toowoomba
Semester 3 (WEB)/Toowoomba
Units 2.0 (Process and Resources Engineer) Band 2
Pre-requisite: ENG8300 or Students must be enrolled in the following courses, this course, and the course ENG8308 Industrial Project.
This course provides a vehicle for students to demonstrate their applied knowledge of 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 competencies by covering both the technical and non-technical dimensions of engineering and spatial science at the professional level. Students will prepare 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 plan the content of the Workplace Portfolio and Industrial Project courses that they will take to demonstrate their existing attributes and capabilities. 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 Career Episode Reports 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. The course concludes with a critical analysis of the program from the perspective of one of the student and the student before the final version of the Pathway to Graduation Plan and the other portfolio documents are submitted.

ENG8301 SELF-ASSESSMENT PORTFOLIO (FHESC - PGRD)
Semester 1 (WEB)/Toowoomba
Semester 2 (WEB)/Toowoomba
Units 2.0 (Process and Resources Engineer) Band 2
Pre-requisite: ENG8300 or Students must be enrolled in the following courses, this course, and the course ENG8308 Industrial Project.
This course provides a vehicle for students to demonstrate their applied knowledge of 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 competencies by covering both the technical and non-technical dimensions of engineering and spatial science at the professional level. Students will prepare 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 plan the content of the Workplace Portfolio and Industrial Project courses that they will take to demonstrate their existing attributes and capabilities. 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 Career Episode Reports 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. The course concludes with a critical analysis of the program from the perspective of one of the student and the student before the final version of the Pathway to Graduation Plan and the other portfolio documents are submitted.
EN8411 MASTERS ENGINEERING RESEARCH PROJECT A (FHSIEC - PGRD)
Semester 1 (WEB)/Toowoomba (ONC)/Toowoomba
Units 4.0 (EngTech not classified) Band 2
Pre-requisite: EN8441
This project comprises a significant engineering research project as a major component of Masters study and represents a substantial contribution towards the student's major study. The project will be supervised by a member of academic staff.

EN8412 MASTERS ENGINEERING RESEARCH PROJECT B (FHSIEC - PGRD)
Semester 1 (WEB)/Toowoomba (ONC)/Toowoomba
Units 2.0 (EngTech not classified) Band 2
Pre-requisite: EN8441
This course provides students with a range of strategies for reading great books. A number of celebrated English literary texts will be examined in terms of their sophistication and self-consciousness within the context of historical debates about the cultural importance of Classic Literature and the social and political functions of an English literary canon.

ENL1001 AUSTRALIAN STORIES (FBELA - UGRD)
Semester 2 (ONC)/Springfield (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (Literature) Band 1
This course serves as an introduction to Australian stories and the role they play in the formation of cultural identities. It examines the heterogeneity of Australian culture through its stories and will direct particular attention to the way in which narrative reimagines social, cultural and political values.

ENL2004 GOTHIC STORIES: TERROR OVER TIME (FBELA - UGRD)
Semester 2 (ONC)/Springfield (ONC)/Toowoomba (WEB)/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 as both an instance of pre-fashionable practice and of one of the most influential genres in literary history. The course will build on the foundational knowledge contained in ENL1001 and Enrolment is permitted in ENL1001.

ENL2005 SHAKESPEARE AND EARLY MODERN LITERATURE (FBELA - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Literature) Band 1
Pre-requisite: ENL1000 or ENL1001
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 as a backdrop to the place of Shakespeare on the Elizabethan stage. Students will develop the ability to critique received scholarly opinion on the work of Shakespeare and his co-evaluos.

ENL2006 LITERATURE AND ADOLESCENCE: WRITING THE CHILD (FBELA - UGRD)
Semester 1 (ONC)/Springfield (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (Literature) Band 1
The emerging popularity of Children's and Young Adult Literature as a field of study provides a critical and theoretical framework for this inquiry which begins with the Victorian romanticisation of childhood, the invention of the teenager in the twentieth century, and the more recent rise of Young Adult Fiction which seeks to engage directly with a range of adolescent issues, while often ultimately containing the threat of adolescent rebellion. Students will be encouraged to consider the ideological implications of the adult interests vested in the production of texts for children and young adults. The course will open a space in which 'classic' children's literature and 'young adult' literature can be analysed in terms of their key literary features as well as their way narratives influence our understanding of the process of growing up.

ENL2007 SPECULATIVE Fictions / SCIENCE FICTION (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba (ONC)/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 con menury. Students will have the unique opportunity to examine visions of the future and the uncrarny present produced by some of the most influential and enduring narratives 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.

ENL3000 MODERNISM (FBELA - UGRD)
Semester 1 (ONC)/Springfield (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (Literature) Band 1
Pre-requisite: ENL1000
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 a means of framing reading strategies and critical debates. The course also considers the set texts within their socio-historical context.

ENL3004 THE LITERARY CANON: HOW TO READ GREAT BOOKS (FBELA - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Literature) Band 1
Pre-requisite: ENL1000 or ENL1001
This course provides students with a range of strategies for reading great books. A number of celebrated English literary texts will be examined in terms of their sophistication and self-consciousness within the context of historical debates about the cultural importance of Classic Literature and the social and political functions of an English literary canon.

ENL3007 LAW AND LITERATURE (FBELA - UGRD)
Semester 1 (WEB)/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 wider society, what law does outside of traditional legal mindsets, and how law envelops us all, with consequences ranging from the brutal to the brilliant and the weird. Using a number of authoritative, critical, and popular texts, 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 legal and theoretical narratives.

ENL3008 SCREENING LITERATURE: TEXTS IN ADAPTATION (FBELA - UGRD)
Semester 2 (ONC)/Springfield (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (Literature) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: MARA or BAHN or BSTA. Enrolment is not permitted in ENL3007.
This course surveys the history of literary theory and criticism, with a focus on the development of prominent movements in the twentieth century based on historical perspectives. The survey spans from the classical period to issues in contemporary critical theory, tracing the influence of classical and neoclassical thinkers in recent critical perspectives, including Feminism, Marxism, Structuralism, Formalism, and Psychoanalytic Criticism.

ENL8013 TRANSNATIONAL LITERATURE (MASTERS) (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Literature) Band 1
Pre-requisite: Students must enrol in one of the following programs: MSTA or MARA or BAHN. Enrolment is not permitted in ENL8007.
This course examines a range of popular cultural and critical texts in the fields of science fiction, speculative fiction and the study of con menury. Students will have the unique opportunity to engage in a critical evaluation of what law means to wider society, what law does outside of traditional legal mindsets, and how law envelops us all, with consequences ranging from the brutal to the brilliant and the weird. Using a number of authoritative, critical, and popular texts, 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 legal and theoretical narratives.

ENL8014 THE MADWOMAN AND THE MEDIAUSA: WOMEN'S WRITING SINCE THE 19TH CENTURY (MASTERS) (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Literature) Band 1
Pre-requisite: Students must enrol in one of the following programs: MSTA or MARA or BAHN. Enrolment is not permitted in ENL8013.
This course surveys the history of literary theory and criticism, with a focus on the development of prominent movements in the nineteenth century based on historical perspectives. The survey spans from the classical period to issues in contemporary critical theory, tracing the influence of classical and neoclassical thinkers in recent critical perspectives, including Feminism, Marxism, Structuralism, Formalism, and Psychoanalytic Criticism.

CRICOS: QLD 00244G, NSW 02225M | TEQSA: PRV12081
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ENM1500 INTRODUCTORY ENGINEERING MATHEMATICS (FHESC - UGRD)
Semester 1 (ONC) (Spring/WEB) (Toowoomba) (ONC) Toowoomba
Semester 2 (ONC) (Spring/WEB) (Toowoomba) (WEB) Toowoomba
Units 1.0 (Mathematics) Band 2
This course builds on the Queensland Mathematics B content and further develops algebra, function, trigonometric, exponential, logarithm, graphing, and graphing competencies, and introduces matrices, vectors, and calculus. Emphasis is placed on developing strong skills in these areas within an engineering context and on exploring and applying these skills to a range of engineering and surveying applications.

ENM2600 ADVANCED ENGINEERING MATHEMATICS (FHESC - UGRD)
Semester 1 (ONC) (Spring/WEB) (Toowoomba) (ONC) Toowoomba
Semester 2 (ONC) (Spring/WEB) (Toowoomba) (WEB) Toowoomba
Units 1.0 (Mathematics) Band 2
This course builds on the Queensland Mathematics B content and further develops algebra, function, trigonometric, exponential, logarithm, limit, graphing, and graphing competencies, and introduces matrices, vectors and calculus. Emphasis is placed on developing strong skills in these areas within an engineering context and on exploring and applying these skills to a range of engineering and surveying applications.

ENV2105 APPLIED CHEMISTRY AND MICROBIOLOGY (FHESC - UGRD)
Semester 1 (WEB) (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 environmental engineering. The course is an applied course focusing on (1) the aspects of chemical processes that are critically valuable for solving environmental problems, and (2) laying the groundwork for water and wastewater engineering and materials, environmental processes, and practice.

ENV2201 LAND STUDIES (FHESC - UGRD)
Semester 1 (WEB) (Toowoomba) (ONC) Toowoomba
Units 1.0 (Environmental Studies not elsewhere) Band 2
Professional in arts, science, engineering, and surveying are increasingly required to have a knowledge of physical land resources and materials. This course provides an introduction to the physical land resources of geology, soils, landform, climate, vegetation and fauna, the principles of resource management and the major management issues, environmental protection and environmental management. It also includes an introduction to the methods involved in undertaking land resource surveys and land evaluations, and in class the processes and legislative requirements associated with environmental impact assessments.

ENV2902 HYDRAULICS PRACTICE (FHESC - UGRD)
Semester 2 (ONC) (Spring/WEB) (EXT) (Toowoomba) (ONC) Toowoomba
Units 3.0 (Engineering) Band 2
Pre-requisite: ENV2102 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 results on an individual basis. Laboratory sessions provide for a better understanding of relevant theory and calibration techniques for flow measuring devices hands on experience.

ENV3104 HYDRAULICS II (FHESC - UGRD)
Semester 1 (ONC) (Spring/WEB) (Toowoomba) (WEB) Toowoomba
Units 1.0 (Civil Engineering not elsewhere) Band 2
Pre-requisite: ENV1101 or ENV2102 or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or GCNS or GDNS or MENS
The emphasis of this course is the application of hydraulic theory to the solution of problems commonly encountered in engineering hydraulics and to the design of hydraulic systems and structures. The basic concepts of the conservation of mass, momentum and energy are introduced in the context of design of residential and commercial hydraulic systems as well as those found in a wide variety of hydraulic systems. New material on unsteady open channel and open channel flows, boundary hydraulic and hydraulic and solid structures and applied and presented. Students are practised in the design analysis of open channel and pipeline systems and a wide range of hydraulic systems.

ENV3105 HYDROLOGY (FHESC - UGRD)
Semester 2 (ONC) (Spring/WEB) (Toowoomba) (WEB) Toowoomba
Units 1.0 (Civil Engineering) Band 2
Pre-requisite: ENV2103 or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or GCNS or GDNS or MENS
This course provides the basic skills to carry out the hydrologic analyses and designs that are often encountered in engineering practice. Knowledge of engineering hydrology is required for the design of stormwater drainage systems, for the management of flooding and is also needed to assess how much water can be safely obtained from water supply catchments and groundwater systems. This course provides a background to hydrological techniques used by professional engineers, including those codified in "Australian Rainfall and Runoff" and "Australian Urban Drainage and Floodway Design." The course will enable students to undertake a range of hydrological analyses and computations using spreadsheets.

ENV3904 ENVIRONMENTAL ENGINEERING PRACTICE (FHESC - UGRD)
Semester 3 (EXT) (Toowoomba)
Units 3.0 (Environmental Engineering) Band 2
Pre-requisite: ENV2103 or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or GCNS or GDNS or MENS
This course is designed to introduce the student to the interactive complexity of environmental problem solving. It will: (i) acquaint students with the range of pollution and waste management issues (including air, water, and noise pollution; solid waste disposal; crime mitigation; and the setting of environmental quality standards); (ii) provide students with the knowledge to assess and develop solutions for these issues; (iii) provide an awareness of modern environmental protection legislation and ethical considerations that form the back ground to engineering activity.
The course aims to develop a reasonable postgraduate level of expertise in the areas of solid waste treatment facilities, and the design of wastewater treatment facilities.

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This course will introduce students to financial markets, the tools and techniques taught in this course. It will cover the basics of financial analysis, including the time value of money, valuation of shares and bonds, risk and return, and the structure and characteristics of financial markets. It will also introduce students to advanced topics such as system setup, the interplay between monetary and fiscal policy, and the relationship between financial markets and real-world economic phenomena. In addition, students will learn about the principles of financial and monetary economics, including the role of financial assets in the global economy, and how they are used in a variety of locations. Students will learn via practical exercises skills such as video composition, manual focus, exposure, white balance, compression, and timing, as well as experiments on another for the creative outcome - a completed production. Students will learn how to compose, edit, and manipulate digital video clips, and how to use a variety of software tools and techniques to create high-quality video content for a diverse range of purposes. This course will provide students with the necessary technical skills to express themselves creatively and professionally in the field of digital video production.
FTR2004 ADVANCED EDITING (FBELA - UGRD)
Semester 1 (ONC/Spingr) (ONC/Toowoomba)
Units 1.0 (Audio/Vision Studies) Band 1
Pre-requisite: FTR1000 and FTR1004
This course provides an opportunity to expand on content, style and form of video editing production styles. The course is designed for committed editors who aspire to further develop their craft. With its focus on hands-on, student-driven, learning environments. Students will develop a solid understanding of the processes involved in creating short animated sequences from first principles through to complete rendered sequences.

FTR2005 3D MODELLING (FBELA - UGRD)
Semester 1 (ONC/Spingr) (Web) (ONC/Toowoomba)
Units 1.0 (Communication & Media Studies) Band 1
Students will have the opportunity to develop a solid awareness of processes involved in creating 3D-based assets for production, in cluding conceptualisation, render, planning and production out comes and uses. Students are encouraged to test their conceptions experimentally during workshops through image manipulation and modelling processes. Through their studies, students should develop an awareness of digital and commercial contexts in which 3D design can be applied, understood, and used.

FTR2006 DOCUMENTARY AND FACTUAL ENTERTAINMENT (FBELA - UGRD)
Semester 1 (ONC/Spingr) (ONC/Toowoomba)
Units 1.0 (Communication & Media Studies) Band 1
Pre-requisite: FTR1004 and FTR2007 or MEA1004
This course develops in students the organisational, planning and strategic skills required of the documentary and factual entertainment producer. It requires them to demonstrate a grasp of documentary and factual entertainment theory, and to produce a completed original documentary or factual entertainment production in video.

FTR2008 BROADCAST RADIO AND AUDIO PRODUCTION 2 (FBELA - UGRD)
Semester 2 (ONC/Spingr) (Web) (ONC/Toowoomba)
Units 1.0 (Journalism) Band 1
Pre-requisite: FTR2002
Media producers must have the ability to pursue projects from con ception to completion. This course requires students to produce a set of significant and innovative radio projects which will involve ad hoc production methodologies and are intended for broadcasting. All students are expected to contribute to the production team and take their role upon the production, what is usually a one-week period, in addition students will use audio production to enhance video production.

FTR2009 ADVANCED BROADCAST TELEVISION (FBELA - UGRD)
Semester 2 (ONC/Spingr)
Units 1.0 (Journalism) Band 1
Pre-requisite: FTR2003
Advanced Broadcast Television allows students the opportunity to create production ideas and work on all modes of a production with a highly supportive teaching staff and a crew consisting of class mates. Using both the studio and Outside Broadcast (OB) facilities, students will produce works chosen and determined by the require ments of the production and/or the client’s needs. Students will pro duce original work that will be pitched to the class, chosen and selected by the Production Team. The completed works will be demonstrated for students. All students will be responsible for each production and the others perform minor roles, offering each student the chance to stage management experience in a major level. By the end of the course, students will have gained practical experience in the production process. It will provide a framework to experience and negotiate with other film producers (such as ‘Co-Productions’). Students will undertake a major project throughout the semester.

FTR2011 CG ANIMATION (FBELA - UGRD)
Semester 2 (ONC/Spingr) (ONC/Toowoomba) (Web) (ONC/Toowoomba)
Units 1.0 (Communication & Media Studies) Band 1
A comprehensive, specialist course designed to develop professional digital animation skills for digital artists through production-focused learning environments. Students will develop a solid awareness of the processes involved in creating short animated sequences from first principles through to complete rendered sequences.

FTR3000 MEDIA BUSINESS (FBELA - UGRD)
Semester 1 (Web) (ONC/Toowoomba)
Units 1.0 (Audio/Vision Studies) Band 1
This course will explore how to incubate a Media Business from start-up through to commencement of business. The areas of business management and financial models will provide an understanding of the media industry. How to establish an ASCG registered business, advanced budgeting, media legal systems, national and state funding bodies and the business behind broadcasting will also be examined. Also, how to apply for grants, how to attract business clients, how to deal with/pitch to television networks and commissioning editors and negotiating with other film producers (such as ‘Co-Productions’). Students will be discussed to assist final year students in making the transition to becoming successful media professionals.

FTR3002 STORY AND STYLE (FBELA - UGRD)
Semester 1 (ONC/Spingr) (ONC/Toowoomba) (Web) (ONC/Toowoomba)
Units 1.0 (Audio/Vision Studies) Band 1
Students acquire advanced technical, analytical and research skills within cinematic areas. This course includes lectures and discussions about contemporary cinema fiction and non-fiction research and practice; and analysing the work of established professionals in order to increase student research and professional practices as well as looking at how artists position their work.

FTR3004 MAJOR BROADCAST PRODUCTION (FBELA - UGRD)
Semester 2 (ONC/Spingr)
Units 1.0 (Audio/Vision Studies) Band 5
Pre-requisite: Students enrolled in BCAI (Film/TeleRadio/Animation 17119); FTR2001. Students enrolled in BCAI (Film/TeleRadio/Animation 17117); FTR2009. Students enrolled in BCAI (Film/TeleRadio 17306); FTR2008.
Major Broadcast Production provides students with an opportunity to produce a high quality production within the broadcasted specialty area. It will combine studio (radio, and digital art) and OB (outside broadcast of both radio and TV) at the same time, allow opportunities for role specialisation suited to the students demonstrated skills and interest. The production will represent the original work by the student/s, from creative script ideas through to planning and management of all resources necessary to achieve the finished production. This practical-led course will require students to research and prepare a specific production area and that results in high quality broadcast programming. Students will actively engage in all aspects of pre-production, production and post-production to bring about this.

FTR3007 AUTHORSHIP AND CREATIVITY (FBELA - UGRD)
Semester 2 (Web) (ONC/Toowoomba)
Units 1.0 (Audio/Vision Studies) Band 1
This course provides an opportunity to expand on the content and form of media theory and production, form and style. It requires stu dents to build on knowledge and skills acquired in FTR2003. With a strong emphasis on hands-on, students acquire advanced specialist knowledge and work at a professional levels on a range of media projects. This is designed for committed editors who aspire to further develop their craft. With its focus on hands-on, student-driven, learning environments. Students will develop a solid understanding of the processes involved in creating short animated sequences from first principles through to complete rendered sequences.

FTR3021 MAJOR FILM PRODUCTION (FBELA - UGRD)
Semester 2 (ONC/Spingr) (ONC/Toowoomba)
Units 1.0 (Journalism) Band 1
Pre-requisite: FTR2001 or MMS2031 or MEA2002
This course provides an opportunity to expand on the content and form of a short production for the single-camera productions style. It requires students to build on knowledge and skills acquired in either MMS2023 Documentary Production and/or MMS2031 Short Narrative Practice.

FTR5000 TELEVISION PRODUCTION: STUDY PLANNING (FBELA - PGRD)
Semester 1 (ONC/Spingr)
Units 1.0 (Audio/Vision Studies) Band 1
Pre-requisite: Students must be enrolled in the following Program: GCOP Co-requisite FTR5000
This is an introductory postgraduate level course that will introduce students to professional television production, planning, and negotiating with other film producers (such as ‘Co-Productions’) to develop and execute a range of different styles and productions. This will include variety, drama, in studio and incorporate the production of a television commercial from planning to finished product.

FTR5001 TV PRODUCTION - LOCATION (FBELA - PGRD)
Semester 1 (ONC/Spingr)
Units 1.0 (Audio/Vision Studies) Band 1
Pre-requisite: Students must be enrolled in the following Program: GCOP Co-requisite FTR5000
This course provides students with the opportunity to develop skills and knowledge through location camera work within the framework of television production. This will involve skills and knowledge such as capturing and allowing the student to understand the design of television news, feature pieces, and special projects. Within this there will be development of skills in camera operation, lighting, audio and post production. Social media plays a large role in news and television and to that end students will be trained practice the strategic use of a range of tools and also work with the website distribution channel.

FTR5002 TV DRAMA AND EVENT PRODUCTION (FBELA - PGRD)
Semester 2 (ONC/Spingr)
Units 1.0 (Audio/Vision Studies) Band 1
Pre-requisite: FTR5000 and FTR5001 and Students must be enrolled in the following Program: GCOP Co-requisite FTR5000
This course develops skills and knowledge around advance television studio productions. Students will specifically be able to produce and direct a television program and be actively involved in all aspects of the production process. It will provide a framework to experience and explore television production from behind the camera and they will have to meet specific timesframes that will reflect standard industry practice. It will fine-tune the students awareness of what goes into the body of work into a television framework. Students will be trained in the use of outside broadcasting, webcasting and other as sociated new technologies in media distribution. It will develop skills in working talent and how to direct them.

GSI1401 GEOGRAPHIC DATA PRESENTATION (FHESC - UGRD)
Semester 2 (ONC/Spingr) (ONC/Toowoomba) (ONC/Toowoomba)
Units 1.0 (Mapping Science) Band 2
The professional presentation of survey plans and geographic infor mation on a map is an important facet of preparing data for client presentation and interpretation of plans. Students learn the processes involved in the preparation of geographic data, and to understand the design of geographic information, with other mapping information in thematic presentations. This course is designed to provide the above skills to students.

GSI1402 GEOGRAPHIC INFORMATION SYSTEMS (FHESC - UGRD)
Semester 1 (ONC/Spingr) (ONC/Toowoomba) (ONC/Toowoomba)
Semester 3 (Web) (ONC/Toowoomba)
Units 1.0 (Geomatic Engineering not above) Band 2
The course will cover the basic concepts and principles of geographic information systems (GIS). Topics to be covered include introduction to GIS; GIS data (nature, input, editing, output & management); co ordinate system & projection, and GIS tools for vector & raster pro cessing, as well as proximity, network and surface analyses.

GSI3008 APPLICATIONS OF GIS AND REMOTE SENSING (FHESC - UGRD)
Semester 2 (Web) (ONC/Toowoomba)
Units 1.0 (Geomatic Engineering not above) Band 2
Pre-requisite: GSI1402 and GSI4308
This course is a problem based learning course. It will allow students to apply geographic information systems (GIS) and remote sensing methods and techniques that they have acquired to open ended problems. Emphasis will be placed on how spatial science and technologies are being applied in niche areas to acquire, manage, analyze data and generate spatial information for planning and manage ment. The problems in this course may come from the following ap plication areas: natural resource management, environment, ecology, urban and regional planning, socio-economic aspects and business, agriculture, health, engineering, and climate change.
GIS3405 SPATIAL ANALYSIS AND MODELLING (FHESC - UGRD)
Semester 2 (ONC) Toowoomba (WEB) Toowoomba
Units 1.0 (Geomatic Engineering not elsewhere) Band 2
This course will introduce the concepts, techniques, and applications of spatial analysis and modelling. Topics include: spatial statistics; overlay analysis; map algebra and cartographic modelling; spatial analysis; remote sensing; surface analysis; and terrain modelling. Basic programming will be practiced on in spatial analysis and modelling is used in practical applications, and a functional component of a modern spatial information system.

GIS3406 REMOTE SENSING AND IMAGE PROCESSING (FHESC - UGRD)
Semester 2 (WEB) Toowoomba (ONC) Toowoomba
Units 1.0 (Mapping Science) Band 2
This course is designed to provide students with the basic and intermediate knowledge and skills in the digital processing of remotely sensed images. Topics include: basic principles of remote sensing; image processing systems; pre-processing of remotely-sensed data; image enhancement techniques; image transformation and Merging techniques; unsupervised classification; supervised classification; post-classification and accuracy assessment in field investigations; integration with GIS; and applications and case studies. Various imagery products will be studied, such as panchromatic, multispectral and hyperspectral data. Image processing software will be used to demonstrate and reinforce the concepts and principles involved.

GIS3407 GIS PROGRAMMING AND VISUALISATION (FHESC - UGRD)
Semester 1 (WEB) Toowoomba (ONC) Toowoomba
Units 1.0 (Mapping Science) Band 2
Pre-requisite: GIS1402 and GIS1401 or Students must be enrolled in one of the following Programs: GIS0 or GDST or MFFST or MGSIC or MGNS or GNSO or MNSO
In this course, students will learn about Python scripting language for GIS programming, geodatabase design and implementation, spatial data visualization in GIS, and 3D visualization using markup language.

GIS4407 WEB BASED GEOGRAPHIC INFORMATION SYSTEM (FHESC - UGRD)
Semester 1 (WEB) Toowoomba (ONC) Toowoomba
Units 1.0 (Mapping Science) Band 2
Pre-requisite: GIS1402 and GIS1402 or (URP9 or P9) or Students must be enrolled in one of the following Programs: GIS0 or GSIC or GDST or MFFST or MGSIC or MGNS or GNSO or MNSO
The course covers the fundamental concepts and principles of Web based GIS. It deals with the theories and principles behind Web based GIS, including Web mapping services, distributed (cloud) systems and client/server computing. Web interface design, networking fundamentals, geographic markup language, service oriented architecture, and Web mapping are some of the topics covered in this course. Web based GIS applications including virtual geographic information.

GPL2901 GIS AND PLANNING PRACTICE 1 (FHESC - UGRD)
Semester 3 (EXT) Toowoomba
Units 0.0 (Geomatic Engineering not elsewhere) Band 2
Pre-requisite: GIS1401 and GIS1402 or (URP9 or P9) or Students must be enrolled in one of the following Programs: GIS0 or GSIC or GDST or MFFST or MGSIC or MGNS or GNSO or MNSO
The course is intended to provide students with basic to intermediate skills in the use of industry-standard software and hardware being used 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 protection, agriculture, land use and project presentations.

GPL3902 GIS AND PLANNING PRACTICE 2 (FHESC - UGRD)
Semester 3 (EXT) Toowoomba
Units 0.0 (Geomatic Engineering not elsewhere) Band 2
Pre-requisite: GIS1401 and GIS1402 or (URP9 or P9) or Students must be enrolled in one of the following Programs: GIS0 or GSIC or GDST or MFFST or MGSIC or MGNS or GNSO or MNSO
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 sciences, 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 protection, agriculture, land use and project presentations.
HEA8403 PROMOTING DISASTER RESILIENCE (FHESC - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Nursing not classified) Band 4
Pre-requisite: Students must be enrolled in one of the following Programs: GCMH or GCMH or MOH or MNGS or PDEV.
This course will develop student's abilities to apply a resilience-based approach within a broader disaster management strategy. Studies will focus on extending each student's current professional knowledge through critical analysis of several key case studies and local health disaster plans. Through examination of past events, students will better understand the planning, response and recovery process on emergency management during disaster events, both nationally and internationally. Students will be introduced to risk management principles and critically reflect upon current health service practices to mitigate, manage and respond from disasters.

HEA8404 SEXUAL AND REPRODUCTIVE HEALTH (FHESC - PGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Nursing not classified) Band 4
Pre-requisite: Students must be enrolled in one of the following Programs: GCMH or GCMH or MOH or MNGS or PDEV.
This course will focus on extending each student's current professional knowledge on issues relating to women's health, including reproductive, gynecological and sexual health. Students will critically reflect upon the study and care for women and girls within the context of human rights and ethical standards and their role in the reproductive health and rights of women and girls. Students will explore the role of health care providers in the management of women's health issues and critically reflect upon the evidence-based care of women and girls. The course will focus on the ethical and legal issues associated with sexual and reproductive health, including the right to freedom of choice and access to comprehensive sexuality services. Students will critically analyse the sociopolitical factors that influence sexual and reproductive health, including gender-based violence and the impact of cultural, religious, and social norms on women's health. The course will also explore the role of health care providers in the management of women's health issues, including the prevention and management of sexually transmitted infections, pregnancy, and mental health. Students will critically reflect upon the evidence-based care of women and girls, including the role of health care providers in the management of women's health issues, including the prevention and management of sexually transmitted infections, pregnancy, and mental health. The course will also explore the role of health care providers in the management of women's health issues, including the prevention and management of sexually transmitted infections, pregnancy, and mental health. Students will critically reflect upon the evidence-based care of women and girls, including the role of health care providers in the management of women's health issues, including the prevention and management of sexually transmitted infections, pregnancy, and mental health. The course will also explore the role of health care providers in the management of women's health issues, including the prevention and management of sexually transmitted infections, pregnancy, and mental health. Students will critically reflect upon the evidence-based care of women and girls, including the role of health care providers in the management of women's health issues, including the prevention and management of sexually transmitted infections, pregnancy, and mental health. The course will also explore the role of health care providers in the management of women's health issues, including the prevention and management of sexually transmitted infections, pregnancy, and mental health. Students will critically reflect upon the evidence-based care of women and girls, including the role of health care providers in the management of women's health issues, including the prevention and management of sexually transmitted infections, pregnancy, and mental health.

HIS2000 CONTEMPORARY AUSTRALIA (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (History) Band 1
Pre-requisite: One unit of History or INR1000 or INR1001
This course explores the social, economic, political and cultural history of Australia from World War II to the present. It includes themes related to the persistence of racial beliefs and their impact on Australia's re-narrative to world affairs. Australia's new relations with Britain and the United States, consumerism and its effect on social order, the changes in the role of the working class after the 1950s, the impact of globalisation and the Culture Wars of the Howard Government. There will be further development of critical and interpretative skills through the analysis of primary and secondary sources. NOTE: Students who have already passed the unit until 3550/1 will not be permitted to enrol in this course.

HIS2001 RACE RELATIONS IN AUSTRALIAN HISTORY (FBELA - UGRD)
Semester 1 (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (History) Band 1
Pre-requisite: HIS1001 or HIS2000 or KNL1001 or KNL1002 or ANTH3000 and one other History or KNL or Anthropology course
Race has been a crucial factor in Australian society since the arrival of the First Fleet in 1788. This course examines the historical development of racial opium and racial ideas and structures in the twentieth and twentieth centuries. As well as scrutinising the nature of European relations, it explores the impact of racism on Chinese, Melanesian, Irish, German, Italian and post-colonial migrant groups.

HIS3003 CONTEMPORARY AMERICA (FBELA - UGRD)
Semester 2 (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (History) Band 1
Pre-requisite: Any two courses of History or International Relations
This course will focus on the United States of America during the second half of the twentieth century. It begins with America's entry into the Second World War and continues to the "War on Terror" and the presidency of Barack Obama. The course incorporates themes of popular protest, youth culture, gender relations and America's international presence. Key events include the Sixties' counterculture, the Watergate scandal, Ronald Reagan's presidency, the September 11 attacks on the Twin Towers and the 'Culture Wars' of the 1990s. The United States remains one of the most influential and complex nations in the world today, and this course will provide students with the historical context to understand contemporary America.

HIS3004 APPROACHES TO HISTORY (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (History) Band 1
Pre-requisite: Any first year History course plus one other in History or International Relations
This course provides an introduction to the development of historical writing and current debates in the philosophy and methodology of the discipline of History. The course is divided into three parts. The first part surveys the evolution of the discipline of History from the ancient world to the Renaissance. The second part focuses on methodological issues of objectivity/subjectivity, positivism/relativism, and postmodernism. Each section emphasises the interrelation between the transmission and control of ideas, and the structure of society. An important theme in each part is the nature of ideology and hegemony.

HIS3005 EUROPE: HISTORY OF AN IDEA (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (History) Band 1
Pre-requisite: Any First Year History Course
This course engages with questions about the 'idea of Europe' and Europeans. It introduces students to modern European history by examining some of the forces and trends that influenced development between the Black Death (1348) and the rise of nationalism after the French Revolution of 1789. By focusing on significant turning points and some of the key players in this historical period, students analyse features of political, social and cultural change. In particular, the course allows students to engage with critical issues and to do with Europe's hegemonic transformations and responses to the challenges of the social movements of the 1960s, 70s and 80s, as well as the persistence of racial beliefs and their impact on Australia's re-narrative to world affairs. Australia's new relations with Britain and the United States, consumerism and its effect on social order, the changes in the role of the working class after the 1950s, the impact of globalisation and the Culture Wars of the Howard Government. There will be further development of critical and interpretative skills through the analysis of primary and secondary sources. NOTE: Students who have already passed the unit until 3550/1 will not be permitted to enrol in this course.

HIS3006 MODERN ASIAN HISTORY (FBELA - UGRD)
Semester 2 (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (History) Band 1
Pre-requisite: This course will examine the evolution of historical forces that have shaped Asia in the 21st century, as well as considering the way that the historical past has impacted upon current critical arguments about contemporary society, development patterns and international relations. Case studies include the construction of the modern world, the experiences of several states including India, Indonesia, China and Japan.

HISB001 WAR AND SOCIETY (MASTERS) (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba (ONC)/Toowoomba
Units 1.0 (History) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: NARA or BAHAH or BCAH or MSTA. Enrolment is not permitted in HISB001 if HIS4001 has been previously completed.
The experience of war is one which generates conflict between the interests of states or sides in war through generating conflict and responses within those societies engaged in conflict. This seminar will discuss ways in which the state, interstate groups and domestic social groups have responded to the impact of war, with a primary emphasis on the experience of Asian war. It will consider the themes of nationalism, interstate relations, social class, gender, race, anti-war protest, religion and ethnicity.

HISB002 THEMES IN TRANSNATIONAL HISTORY (MASTERS) (FBELA - UGRD)
Semester 2 (WEB)/Toowoomba (ONC)/Toowoomba
Units 1.0 (History) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: NARA or BAHAH or BCAH or MSTA. Enrolment is not permitted in HISB002 if HIS4002 has been previously completed.
The course employs a thematic approach, and draws upon the framework of recent world history. Students investigate the construction of individual and community consciousness in contemporary and postcolonial contexts. The course uses transnational research and the study of social memories in order to investigate the formation and expression of identities and community in multiple locales.

HISB004 EUROPEAN WOMEN'S HISTORY (MASTERS) (FBELA - PGRD)
Semester 1 (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (History) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: NARA or BAHAH or BCAH or MSTA. Enrolment is not permitted in HISB004 if HIS4004 has been previously completed.
This course is designed to provide opportunities for historical thinking and practice at an advanced level, with critical reference to selected aspects of European women's history. The course focuses on the experience of women throughout European history up to the turn of the twentieth century in order to examine, analyse and discuss Euro centric history from a female perspective and gender issues more broadly. There is an emphasis on the dynamics of change in the gender and social contexts. The course uses western canonical texts and the study of social memories in order to investigate the formation and expression of identities and community in multiple locales.

HMT1000 HISTORY OF WESTERN IDEAS (FBELA - UGRD)
Semester 2 (ONC)/Sprinfgfield (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (Studies in Human Society n.e.c) Band 1
Pre-requisite: This course provides a survey of some of the most significant currents of ideas in Western culture. Each week, the course introduces a pair of concepts that it explores in both historical and contemporary context, charting the history of these concepts over time and how they are applied in various disciplinary contexts. Specifically, it looks at the evolution of political thought, social and cultural categories, and the philosophical and artistic movements that continue to shape Western society today.

HMT2000 ETHICAL ISSUES AND HUMAN RIGHTS (FBELA - UGRD)
Semester 1 (ONC)/Sprinfgfield (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (Studies in Human Society n.e.c) Band 1
Pre-requisite: This course introduces students to the main legal, ethical, and social justice responsibilities that are integral to professional and research contexts. While considering a range of approaches to moral philosophy, the course will focus on a rights-based approach, together with an awareness of contemporary social justice issues. Examples and applications will be taken from a range of professional fields, including human rights, social justice, criminal justice, health and the environment, education, health, and cultural policy.
Consult the Handbook on the Web at http://www.usq.edu.au/handbook/current for any updates that may occur during the year.
HSWG210 PERSPECTIVES ON DISABILITY AGING (FHESC - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Community Health) Band 1
This course addresses individuals with disabilities and people who are chronologically older who will experiencing functional changes. It is essential that this content is covered because some individuals such as those with Down Syndrome or Cerebral Palsy, may experience changes typical of the aging process as early as 25 years of age. This course identifies strategies to support families, friends, service providers, organizations, and members of the community to improve the lives of older persons and people with disabilities. Topics include the aging process, pharmacodynamics, medical care among aging populations, individual and family adaptation, decision making, and family support and sexuality. Additionally, the course will discuss ethical issues faced by older persons with disabilities and their families including assisted suicide, advance directives and end of life decisions.

HSWG211 YOUTH WORK PRACTICE (FHESC - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Wellness Studies) Band 1
Pre-requisite: HSWG200 and CSID100 and HSWG210
This course will explore contemporary and distinctive youth work practices. Students will explore the different perspectives and experiences of young people, youth workers and other critical stakeholders. Content will present students critical to understand the impact of youth work within a cultural and social framework that considers matters of agency, health and empowerment.

HSWK399 FIELDWORK PLACEMENT B (FHESC - UGRD)
Semester 1 (EXT)/Toowoomba
Semester 2 (EXT)/Toowoomba
Units 1.0 (Wellness Studies) Band 1
Pre-requisite: HSWG200 and HSWG209
This industry placement provides students with the opportunity to build upon the practical skills and theoretical knowledge gained in their field and to experientially learn how to integrate and apply human services theories, principles and skills in a safe, supportive and supervised environment. This course encourages students to develop discipline or field based techniques and skills to enable them to work as part of a team or independently. The student will develop placement objectives in consultation with the host agency’s supervisor, and moderated by the designated USQ academic staff member and moderated by the designated USQ academic staff member. Students will be required to submit a placement report which will include the production of a research proposal. That writing goals will be set in collaboration with the student’s supervisor, which will include the production of a research proposal.

HSWK410 LEADERSHIP MANAGEMENT AND ENTREPRENEURSHIP TO MAINTAIN WELLBEING (FHESC - UGRD)
Semester 1 (ONC)/Toowoomba
Units 1.0 (Community Health) Band 1
This course introduces aspiring health and wellbeing focused professionals to current and emerging trends in organisational leadership, management, and entrepreneurship. It enables aspirants to understand the fundamental distinction between management and leadership and discriminate between approaches to those that are most suited to the development of a socially enterprises organisations. They will identify what is entailed in being an entrepreneur, i.e., a catalyst for perpetuating engagement, creativity, and innovation.

HSWK420 HEALTH AND WELLBEING PROJECT B (FHESC - UGRD)
Semester 1 (ONC)/Toowoomba
Semester 2 (ONC)/Toowoomba
Units 2.0 (Human Welfare Services and Serv) Band 1
Pre-requisite: HSWG400
This is the final of two projects courses that involve producing a written thesis based on an individual piece of research that contributes to the currently available body of research in the chosen area. In this final year, students are expected to complete the research, obtain ethics approval as applicable, and begin data collection. It is also expected that writing goals will be set in collaboration with the student’s supervisor, which will include the production of a research proposal.

INR1000 INTERNATIONAL RELATIONS IN A GLOBALIZING ERA (FBELA - UGRD)
Semester 1 (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (Political Science) Band 1
Pre-requisite: Students must be enrolled in one of the following Program: MARA or MBSI or MSTA or BAHN. Enrolment is permitted in INR1010 if INR4010 has been previously completed.
Drawing upon frameworks from the discipline of International Relations, the course briefly reviews the key aspects regarding evolving perceptions and relations between Australia and Asia. Students will enhance their research, analytical and essay writing skills while considering several contemporary issues, including globalisation, democracy, and security, democracy and human rights, security and international law.

INR1001 GUIDED TOPICS: GUIDED TOPICS (MASTERS) (FBELA - PGRD)
Semester 2 (WEB) Toowoomba (ONC) Toowoomba
Semester 1 (WEB) Toowoomba (ONC) Toowoomba
Units 2.0 (Human Welfare Services and Serv) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: MARA or MBSI or MSTA or BAHN. Enrolment is not permitted in INR1010 if INR4010 has been previously completed.
This course introduces students to the principal themes and issues that are central to contemporary debates about globalisation. These include an examination of transnationalism, power, inter-dependence, globalisation, and the contemporary international system.

INR1002 ISSUES IN A GLOBALIZING WORLD (FBELA - UGRD)
Semester 1 (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (Human Geography) Band 1
Pre-requisite: INR1000 or INR1001
This course briefly reviews the historical dimensions and contending analytical perspectives on international relations, with an emphasis on processes of globalisation and significant issues in contemporary world politics. Secondarily, it introduces the basic knowledge needed to comprehend the perspectives of the ‘great powers’, the European powers and the ‘emerging’ powers.

INR1003 GUIDED TOPICS: GUIDED TOPICS (MASTERS) (FBELA - PGRD)
Semester 2 (WEB) Toowoomba (ONC) Toowoomba
Semester 1 (WEB) Toowoomba (ONC) Toowoomba
Units 1.0 (Political Science) Band 1
This course provides a detailed analysis of Australian foreign policy. It explores the relationship of Australian foreign policy with its immediate surrounds and discusses how Australia’s foreign policy influences and is influenced by Australia’s international relations on a global basis, including a specific emphasis on the Asia-Pacific region, and to identify factors that have contributed to the development of these relations. The course also discusses the international role of Australia in the present era.

INR3010 MIGRANT WORLDS: ISSUES IN CONTEMPORARY AND HISTORICAL MIGRATION (FBELA - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Studies in Human Society n.e.c) Band 1
This course provides an understanding of the theoretical and conceptual issues and trends of migration as a global phenomenon that shapes local, national and international cultures, societies, economies and politics. Students will be introduced to a range of International Relations and Australian case studies to explore major trends and issues, such as humanitarian migration trends, economic migration, settlement policies (such as multicultural effort), and cultural representations (such as art, film and literature).

IPPT001 LEARNING THE LINGO: ACADMIC WRITING (CISER - NONA)
Semester 2 (EXT)/Toowoomba
Semester 2 (EXT)/Toowoomba
Units 1.0 (General Education Programmes n.) Band 3
This course focuses on mastery as a pathway to literacy, structured text patterns of speech and written text and the correlation between western and First Nations educational systems. Using a combination of self-paced online instruction and face to face delivery, students will develop an understanding of written and spoken text patterns and apply the learned principles in a written report and oral presentation. This course will enable students to position themselves within the community and dialogue with others who have similar or different identities and views.

IPPT002 THE LINGO: ACADEMIC WRITING (CISER - NONA)
Semester 1 (EXT)/Toowoomba
Semester 2 (EXT)/Toowoomba
Units 1.0 (General Education Programmes n.) Band 3
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ical dispossession and exclusion that left Aboriginal and Islander will, through an analysis of contemporary society, examine the historical and contemporary politics. Through a weekly lecture and a two hour tutorial the course will include, but not be limited to, identity, land, history, policy and Western Queensland, students will also gain an understanding of and communities. While there will be emphasis on South East and relevance to contemporary Aboriginal and Torres Strait Islander people but to address issues associated with marginalisation and health status. The opportunity for active participation in the course is provided via reflection on personal experiences and acquired knowledge through discussion forums and feedback sessions as well as opportunities for some practical activi ties.

ISE2001 ABORIGINAL AND TORRES STRAIT ISLANDER PEOPLES: RACE, POLITICS AND SPORT (CISER - UGRD)
Semester 1 (ONC)Springfield (ONC) (WEB) (TOO) Units 1.0 (Indigenous Studies) Band 1 Pre-requisite: ISE1000
This course provides an opportunity for students to investigate and analyze the experiences and issues related to Aboriginal and Torres Strait Islander Peoples involvement in both traditional games and modern sports. The course will draw upon knowledge and insights from different areas of study within the sociocultural area (historical, anthropological, social and philosophical disciplines) to allow students to understand and critically explore the role and importance of traditional games and modern sport to Aboriginal and Torres Strait Islander Peoples. Students will explore and evaluate the experiences and achievements of various Aboriginal and Torres Strait Islander sportspersons and focus on particular sports. The course will give special attention to race, politics and sport and students will become well informed through an investigation of these areas and reflection on personal attitudes and behaviours. This course will also explore special sport programs and events that have been developed not only to cater for the sporting and recreational interests of Aboriginal and Torres Strait Islander Peoples but to address issues associated with marginalisation and health status. The opportunity for active participation in the course is provided via reflection on personal experiences and acquired knowledge through discussion forums and feedback sessions as well as opportunities for some practical activities.

ISE2002 HUMAN RIGHTS AND IDEOLOGIES OF THE NATION STATE (CISER - UGRD)
Semester 1 (ONC) (WEB) (TOO) Units 1.0 (Indigenous Studies) Band 1 Pre-requisite: ISE1000
This course focuses on Western ideologies and the formation of Nation States in otherwise occupied territories. An analysis of the world we currently live in will be undertaken in relation to historical and contemporary political practices, both Aboriginal and Western. This course will provide students with an analysis of contemporary theory and an understanding of Indigenous rights, the law, Indigenous culture and movements. The dynamic relationship of words and their meanings will be unpacked and Torres Strait Islander cultures, and their experiences. Through an analysis of academic texts, songs, written 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. Students from the creative industries, community development and education will benefit from this course.

ISE2000 RECONCILIATION FROM POLICY TO PRACTICE (CISER - UGRD)
Semester 2 (WEB) (TOO) Units 1.0 (Indigenous Studies) Band 1 Pre-requisite: ISE1000
This course focuses on policy, particularly policy that is designed to bring First Nations non-native peoples together. An analysis of policies, existing and historical will be broken down to why they exist and what they hope to achieve and how we can achieve these outcomes. Questions of what is reconciliation, the historical context around reconciliation, the relationship between Indigenous and non-Indigenous peoples and the complexity of how laws have been applied to black/white relationships will be explored. An analysis of historical and contemporary contexts will be translated into ways that policy can be practically applied and continually re viewed.

ISE1003 CONTEXTS OF ABORIGINAL AND TORRES STRAIT ISLANDER ART AND REPRESENTATION (CISER - UGRD)
Semester 2 (WEB) (TOO) Units 1.0 (Indigenous Studies) Band 1
This course will offer students a method by which they can become conversant with an historical and contemporary overview of Aboriginal and Torres Strait Islander art. Students will gain an understanding of the story as visual language in discussing Human Rights, the law, Indigenous cultures, and their experiences. Through an analysis of academic texts, songs, written 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. Students from the creative industries, community development and education will benefit from this course.

ISE2001 ABORIGINAL AND TORRES STRAIT ISLANDER PEOPLES: RACE, POLITICS AND SPORT (CISER - UGRD)
Semester 1 (ONC) (WEB) (TOO) Units 1.0 (Indigenous Studies) Band 1 Pre-requisite: ISE1000
This course provides an opportunity for students to investigate and analyze the experiences and issues related to Aboriginal and Torres Strait Islander Peoples involvement in both traditional games and modern sports. The course will draw upon knowledge and insights from different areas of study within the sociocultural area (historical, anthropological, social and philosophical disciplines) to allow students to understand and critically explore the role and importance of traditional games and modern sport to Aboriginal and Torres Strait Islander Peoples. Students will explore and evaluate the experiences and achievements of various Aboriginal and Torres Strait Islander sportspersons and focus on particular sports. The course will give special attention to race, politics and sport and students will become well informed through an investigation of these areas and reflection on personal attitudes and behaviours. This course will also explore special sport programs and events that have been developed not only to cater for the sporting and recreational interests of Aboriginal and Torres Strait Islander Peoples but to address issues associated with marginalisation and health status. The opportunity for active participation in the course is provided via reflection on personal experiences and acquired knowledge through discussion forums and feedback sessions as well as opportunities for some practical activities.

ISE2002 HUMAN RIGHTS AND IDEOLOGIES OF THE NATION STATE (CISER - UGRD)
Semester 1 (ONC) (WEB) (TOO) Units 1.0 (Indigenous Studies) Band 1 Pre-requisite: ISE1000
This course focuses on Western ideologies and the formation of Nation States in otherwise occupied territories. An analysis of the world we currently live in will be undertaken in relation to historical and contemporary political practices, both Aboriginal and Western. This course will provide students with an analysis of contemporary theory and an understanding of Indigenous rights, the law, Indigenous culture and movements. The dynamic relationship of words and their meanings will be unpacked and Torres Strait Islander cultures, and their experiences. Through an analysis of academic texts, songs, written 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. Students from the creative industries, community development and education will benefit from this course.

ISE2001 ABORIGINAL AND TORRES STRAIT ISLANDER PEOPLES: RACE, POLITICS AND SPORT (CISER - UGRD)
Semester 1 (ONC)Springfield (ONC) (WEB) (TOO) Units 1.0 (Indigenous Studies) Band 1 Pre-requisite: ISE1000
This course provides an opportunity for students to investigate and analyze the experiences and issues related to Aboriginal and Torres Strait Islander Peoples involvement in both traditional games and modern sports. The course will draw upon knowledge and insights from different areas of study within the sociocultural area (historical, anthropological, social and philosophical disciplines) to allow students to understand and critically explore the role and importance of traditional games and modern sport to Aboriginal and Torres Strait Islander Peoples. Students will explore and evaluate the experiences and achievements of various Aboriginal and Torres Strait Islander sportspersons and focus on particular sports. The course will give special attention to race, politics and sport and students will become well informed through an investigation of these areas and reflection on personal attitudes and behaviours. This course will also explore special sport programs and events that have been developed not only to cater for the sporting and recreational interests of Aboriginal and Torres Strait Islander Peoples but to address issues associated with marginalisation and health status. The opportunity for active participation in the course is provided via reflection on personal experiences and acquired knowledge through discussion forums and feedback sessions as well as opportunities for some practical activities.

ISE2002 HUMAN RIGHTS AND IDEOLOGIES OF THE NATION STATE (CISER - UGRD)
Semester 1 (ONC) (WEB) (TOO) Units 1.0 (Indigenous Studies) Band 1 Pre-requisite: ISE1000
This course focuses on Western ideologies and the formation of Nation States in otherwise occupied territories. An analysis of the world we currently live in will be undertaken in relation to historical and contemporary political practices, both Aboriginal and Western. This course will provide students with an analysis of contemporary theory and an understanding of Indigenous rights, the law, Indigenous culture and movements. The dynamic relationship of words and their meanings will be unpacked and Torres Strait Islander cultures, and their experiences. Through an analysis of academic texts, songs, written 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. Students from the creative industries, community development and education will benefit from this course.
This course teaches you to find, report and write news stories for key reporting rounds including government, crime and the courts and sports. It builds on the news judgment and writing skills learned in JRN1000 Journalism Practice. The emphasis is on preparing the students to engage in professional journalism and be able to write news and feature articles with an understanding of the Australian legal system, defamation law, contempt of court and parliament, and the law of copyright. The study of major developments in moral philosophy will form a foundation on which to analyse specific cases, with particular reference to the contemporary issues affecting society, governance and the economy. This course emphasises journalism’s role in the function and forms of power. Students will extend their skills in higher order analysis and competencies essential for the industry.

This course continues to enhance students’ language skills and the cultural frameworks established in LAC2001 to provide a deeper understanding of significant historical periods and events in the development of German and Chinese national identities. The course considers more advanced theoretical perspectives about the formation of national identities and considers how social values emerge and change over time in both German and Chinese contexts. LAC2001 builds on the skills and concepts introduced in LAC1001 and aims to provide students 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, surveying the ways in which German and Chinese communities view themselves and express their identities in the context.

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LAC3003 LANGUAGE AND CULTURE SPECIAL PROJECT A (FBELA - UGRD)
Semester 2 (WEB)/Toowoomba
Units 2.0 (Northern European Languages) Band 1
Pre-requisite: LAC3001 or for GERMAN language competencies level of B1 or above
The Language and Culture Special Project is designed to allow students the opportunity to explore a topic of relevance to German/Swiss/Australian or Chinese history, culture, society, business, engineering, performing or creative arts and to present their findings through a written essay/report in the target language (approx. 1700 words) and in a formal spoken presentation. The project will be built upon the knowledge already acquired at this level and will normally involve the application of such skills and knowledge to a specific area of study or activity.

LAC3004 IN-COUNTRY STUDY AND PLACEMENT (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Language and Literature not enrolled) Band 1
Pre-requisite: LAC3001
The purpose of this course is to give students the opportunity to experience work/study in their target country and to further develop and communicate the skills, knowledge and experiences gained overseas. It will require students to record and to reflect upon their experiences, encourage them to communicate in the target language and to write about their experiences in the target language. It is envisaged that a formally recognised in-country experience will enhance students' post-graduation employment prospects. Students should be aware that the number of students admitted into this course will be restricted and acceptance will be at the discretion of the course examiner.

LAW1011 INTRODUCTION TO LAW (FBELA - UGRD)
Semester 1 (DCNP) and (Springfield) /Toowoomba
Semester 3 (Web)/Toowoomba
Units 1.0 (Business and Commercial Law) Band 3 Pre-requisite: Students enrolled in one of the following Programs: BLAW or BLAW or BBLA, or BBBL or BBLA, or BCLW, or BBBL or BBLA, or BCLW or BCLW or BCBL 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 commences with a review of the components of the Australian legal system, the judicial process and the means by 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.

LAW1111 AUSTRALIAN LEGAL SYSTEM (FBELA - UGRD)
Semester 1 (DCNP) and (Springfield) /Toowoomba
Semester 2 (DCNP) and (Springfield) /Toowoomba
Semester 3 (WEB)/Toowoomba
Units 1.0 (Law) Band 3 Pre-requisite: Students enrolled in one of the following Programs: BLAW or BBBL or BBLA or BCLW or BCBL or BBBL or BBLA or BCLW or BCLW or BCBL are not eligible for enrolment.
The course provides students with an introduction to the key skills necessary to undertake their substantive law courses, including how to read and analyse a case and how to interpret a statute. It also includes the development of skills relating to problem solving. These skills are explicitly taught and assessed throughout the course. Students will continue to build and develop these skills as they progress through other core courses in the Law program. In this course, fundamental doctrines of the criminal law and elements of criminal procedure are used as a basis for substantive legal development for legal writing and research competencies.

LAW1112 CIVIL OBLIGATIONS A (CONTRACT AND TORTS) (FBELA - UGRD)
Semester 1 (DCNP) and (Springfield) /Toowoomba
Units 1.0 (Law) Band 3 Pre-requisite: Students enrolled in one of the following Programs: BLAW or BLAW or BBLA, or BBBL or BBLA, or BCLW, or BBBL or BBLA, or BCLW or BCLW or BCBL 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 give students the opportunity to explore a topic of relevance to the Australian legal system.

LAW1122 LEGAL CONFLICT RESOLUTION (FBELA - UGRD)
Semester 2 (DCNP) and (Springfield) /Toowoomba
Semester 3 (Web)/Toowoomba
Units 1.0 (Law) Band 3 Pre-requisite: Students enrolled in one of the following Programs: BLAW or BBBL or BBLA, or BBBL or BBLA, or BCLW, or BBBL or BBLA, or BCLW or BCLW or BCBL are not eligible for enrolment.
This course provides students with an introduction to the key skills necessary to undertake their substantive law courses, including how to read and analyse a case and how to interpret a statute. It also includes the development of skills relating to problem solving. These skills are explicitly taught and assessed throughout the course. Students will continue to build and develop these skills as they progress through other core courses in the Law program. In this course, fundamental doctrines of the criminal law and elements of criminal procedure are used as a basis for substantive legal development for legal writing and research competencies.

LAW1123 CIVIL OBLIGATIONS B (CONTRACT) (FBELA - UGRD)
Semester 2 (DCNP) and (Springfield) /Toowoomba
Units 1.0 (Law) Band 3 Pre-requisite: Students enrolled in one of the following Programs: BLAW or BBBL or BBLA, or BBBL or BBLA, or BCLW, or BBBL or BBLA, or BCLW or BCLW or BCBL 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 give students the opportunity to explore a topic of relevance to the Australian legal system.

LAW1124 CIVIL OBLIGATIONS C (TORTS) (FBELA - UGRD)
Semester 2 (DCNP) and (Springfield) /Toowoomba
Units 1.0 (Law) Band 3 Pre-requisite: Students enrolled in one of the following Programs: BLAW or BBBL or BBLA, or BBBL or BBLA, or BCLW, or BBBL or BBLA, or BCLW or BCLW or BCBL 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 give students the opportunity to explore a topic of relevance to the Australian legal system.

LAW1204 BUSINESS AND CONSUMER LAW (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Business and Commercial Law) Band 3 Pre-requisite: Students enrolled in Programs: BLAW or BBBL or BBLA or BCLW or BCBL are not eligible for enrolment.
This course is not suitable to be undertaken as an elective under the Bachelor of Laws program. The introductory level course students are exposed to basic principles of legal liability. In this course the students are exposed to the principles of torts.

LAW1206 LAW OF BUSINESS ORGANISATIONS (FBELA - UGRD)
Semester 1 (DCNP) and (Springfield) /Toowoomba
Semester 3 (Web)/Toowoomba
Units 1.0 (Business and Commercial Law) Band 3 Pre-requisite: Students enrolled in Programs: BLAW or BBBL or BBLA or BCLW or BCBL are not eligible for enrolment.
This course is not suitable to be undertaken as an elective under the Bachelor of Business program. This course is designed to introduce students to the legal principles associated with partnerships, associations, trusts and corporations. Particulars, students will be exposed to the Partnership Act and Corporations Act in detail and shall be required to be able to describe a proper legal principles relating to partnerships, etc. and the internal and external relationships thereof.

LAW1207 ENVIRONMENTAL LAW (FBELA - UGRD)
Semester 1 (DCNP) and (Springfield) /Toowoomba
Units 1.0 (Law) Band 3 Pre-requisite: Students enrolled in Program: WBBL or WBBL and WBBL are not eligible for enrolment.
This course is designed to introduce students to the legal issues involved in the protection of the environment. This is to be achieved through exposure to the sources of Australian environmental regulation and intergovernmental and international environmental instruments. Through this mechanism students are exposed to the sources of Australian environmental regulation and intergovernmental and international environmental instruments.

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LAW2211 CONSTITUTIONAL LAW (FBELA - UGRD)
Semester 1 (Constitutional Law) Band 3 Pre-requisite: LAW1111 and LAW1112 or LAW1201.
Public International and Human Rights Law develops an understanding of the sources, principles and institutions of international law, with specific applications to human rights. The course explores fundamental concepts such as the nature and sources of international law and the international legal system, the relationship between international and domestic law, criteria for statehood, state personality, jurisdiction and responsibility, and the role of force. It provides a broad introduction to international human rights law, the law of the sea and international environmental law.

LAW2222 INTERNATIONAL AND HUMAN RIGHTS LAW (FBELA - UGRD)
Semester 2 (Constitutional Law) Band 1 Pre-requisite: LAW1111 and LAW1112 or LAW1201.
This course continues the study of property law commenced in Property and Trusts A. It particularly looks at leasing, mortgages, 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 interests in property. Other chapters of this course will consider the provisions concerning the vesting of property in trusts, the powers and duties of trustees, and the inspection and information rights of beneficiaries. Students will consider all potential legal rights and liabilities that arise with this structure.

LAW2223 PROPERTY AND TRUSTS B (FBELA - UGRD)
Semester 2 (Constitutional Law) Band 3 Pre-requisite: LAW2222.
While most law courses submerge students in the technical rules of various aspects of the law, this course places the law in the context of philosophies which critique the basis of those rules. Students will study various bodies of thought that have in the past influenced legal thinking, including legal positivism, natural law, feminist, and critical theories of law, and liberal, social and radical political theories. Against the background of classical and modern natural law, legal positivism and critical legal studies, the course will consider not only the theoretical underpinnings of law but the consequences for current law. Students will consider both the philosophical and practical implications of these questions, and their own views on the direction of the legal system.

LAW2231 REVENUE LAW AND PRACTICE II (FBELA - UGRD)
Semester 2 (Constitutional Law) Band 1 Pre-requisite: LAW3130.
In this course, students will be exposed to alternative dispute resolution (“ADR”) methodologies, in particular, rules governing admissibility determine the evidence juries will consider in reaching a verdict or deciding a fact in issue. This course ex considers the principles and practices of judicial review including the grounds upon which such proceedings may be brought (and relevant issues of statutory interpretation), who may bring them, and what remedies may be obtained. The course then turns to the non-judicial aspects of the legal landscape: law underpinning ombudsman investigation and freedom of information.
LAW3405 HUMAN RIGHTS AND ANTI-DISCRIMINATION LAW (FBELA - UGRD)
Semester 2 (ONC)(Springfield) (Qld) (Toowoomba)

Units 1.0 (Law) Band 3
Pre-requisite: LAW1022 or LAW1123 or LAW5502 or LAW5123 (and) LAW2220 or LAW2233 or LAW2234 or LAW5120, or LAW2124 or LAW2125 or LAW2126 or LAW2127.

This course introduces students to the law relating to the international human rights and anti-discrimination law. Students will examine national, international human rights conventions, state and international anti-discrimination law, and the laws and practices relating to human rights and discrimination. Students will develop an understanding of the international human rights system, the laws relating to human rights, and the bodies that promote and protect human rights.

LAW3444 COMPETITION AND CONSUMER LAW (FBELA - UGRD)
Semester 1 (ONC)(Springfield) (Qld) (Toowoomba)

Units 1.0 (Business and Commercial Law) Band 3
Pre-requisite: (LAW1111 and LAW1123) or LAW1011 or LAW1021 or LAW2201 or LAW2202 or LAW2203 or LAW2204.

This unit examines the regulation of Australian competition and consumer protection law, primarily under the Competition and Consumer Act 2010 (Cth). This layer of the law has two broad areas: (i) Competition Law, focusing on areas including market definition, competition, market power, cartels, anti-competitive agreements, exclusive dealing, resale price maintenance, anti-competitive mergers and acquisitions, authorisation and notifications and remedies and enforcement; and (ii) Consumer Law. This examines areas including the changes to consumer protection pursuant to the Competition and Consumer Act (Cth), misleading or deceptive conduct, unconscionable conduct, unfair contracts regime, false or misleading representations, other civil and criminal penalties, product safety standards, remedies and enforcement.

LAW3464 INTERNATIONAL TRADE LAW (FBELA - UGRD)
Semester 1 (Web) (Qld) (Toowoomba)

Units 1.0 (International Law) Band 3
Pre-requisite: LAW2202 or LAW2203 or LAW5960 or LAW5123.

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 - 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 payments (documentary credits). 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 to the conduct of business across borders will be developed, as well as skills of analysis and problem solving. The course will involve lectures and in-class problem-solving, and online discussion and critiques of international business problems.

LAW3466 MOOT COURT BENCH (FBELA - UGRD)
Semester 1 (ONC)(Springfield) (Qld) (Toowoomba)

Units 1.0 (Legal Practice) Band 3
Pre-requisites: LAW1111 and LAW1123 and LAW1133 or (LAW5111 and LAW5123) or (LAW5123 or LAW5213) or LAW5703 or LAW5723 or LAW5123.

This course provides students with the opportunity to develop practical advocacy skills by preparing and presenting written and oral submissions in a moot court. The course will involve both written and oral arguments presented to judges for judgment.

LAW3442 EMPLOYMENT LAW (FBELA - UGRD)
Semester 3 (Web) (Qld) (Toowoomba)

Units 1.0 (Legal Practice) Band 3
Pre-requisite: LAW1022 or LAW1123 or LAW5502 or LAW5123 and (LAW2204 or LAW2112 or LAW5094 or LAW5124).

This course provides a general introduction to the main aspects of legal practice related to the law of contract, the law of tort, the law of property, and the law of trusts. It examines the legal rights and obligations of employers and employees, the rights and duties of employees, the employment relationship, and the legal issues arising from the employment relationship. It also considers the role of the law in regulating the employment relationship and the bodies which regulate employment, including the national and state government bodies.

LAW3499 AUSTRALIAN CRIMINAL CODES (FBELA - UGRD)
Semester 1 (Web) (Qld) (Toowoomba) (ONC) (Qld) (Toowoomba)

Units 1.0 (Criminology) Band 3
Pre-requisite: LAW1021 or LAW1111 or LAW1112 or LAW2201 or LAW2202 or LAW2203 or LAW2204.

The focus is on Australian jurisdictions that have Criminal Codes: Commonwealth, Qld, Tas, Vic, ACT and NT. The elective provides the opportunity to compare and contrast the Codes, particularly the Commonwealth Code with the Grimm Codes, and drill down into criminal law is suited in larger detail than in the core course.
LAW5112 ADVANCED CRIMINAL LAW (FBELA - FGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Law) Band 3
Pre-requisite or Co-requisite: LAW5111 and LAW5112 or LAW5501
This course deals with general aims and doctrines of the criminal law, including an examination of criminal responsibility concerning the select range of offences against the person and against property, and the effects of different choices and defences. The course also focuses on selected aspects of criminal procedure.

LAW5112 ADVANCED CRIMINAL LAW RESOLUTIONS A (FBELA - FGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Law) Band 3
Pre-requisite: Students must be enrolled in Program DJUR or Early Career Plan (16650) of Program PCBS
A fundamental skill of a lawyer is the ability to successfully resolve conflicts in the professional arena. The course will introduce students to communication in a situation of conflict. Students will explore important skills in communication such as listening, interviewing and negotiating. Students will be introduced to the array of possible methods of resolving conflicts, including litigation. Some methods of conflict resolution and its implications will be considered in detail so students have a sound practical knowledge. The course will give students grounding in the fundamentals of conflict resolution in the Australian legal system.

LAW5123 ADVANCED PROPERTY AND TRUSTS B (FBELA - FGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Law) Band 3
Pre-requisite or Co-requisite: LAW5212 and LAW5213 or LAW5705 and LAW5603
This course continues the study of property law commenced in LAW5212. It is designed to introduce students to the concepts of property and basic transactions. "Possession and transfer of property of all types has been and continues to be a source of wealth and power for commercial and private endeavour. The legal rules that determine how these transactions take place are vital for ensuring stability. This course is designed to introduce students to the concepts of property and basic principles of property law. Students will gain awareness of the fundamentals of property and principles governing the possession, creation and transfer of interests in property, tenures and estates in co-ownership. The rights of native title and subsurface interest and the laws that govern and litigation will be examined.
LAW5323 ADVANCED EVIDENCE (FBELA - PGRD)
Semester 1 (WEB) / Semester 2 (WEB)
Units 1.0 (Law not elsewhere classified) Band 3
Pre-requisite: LAW5212 or LAW5705

The course deals with the nature of legal practice, and involves further study of philosophies of applied ethics in legal practice. It includes skills exercises in letter drafting, and accounting for client money. Topics studied include the regulation of the legal profession; administration; discipline; engagement; billing; and responsibilities in relation to client money, the conduct of litigation and advocacy, competence and careful practice, confidentiality, and loyalty to clients. It also deals with civility and courtesy in dealings with clients and other lawyers.

LAW5321 ADVANCED ETHICS FOR LAWYERS (FBELA - PGRD)
Semester 1 (WEB) / Semester 3 (WEB)
Units 1.0 (Business and Commercial Law) Band 3
Pre-requisite: LAW5212 or LAW5705

Evidence law concerns the rules and principles that govern what information can be used in court proceedings, who can use it and how it can be used. These rules pervade the operation of all areas of law in which an issue may come before a court for determination. Therefore, understanding the rules of evidence is critical for all laypersons, and especially for those who regularly practice in a field in which disputes of fact may arise. This is effectively an area of law. Criminal cases are the most heavily governed by law, but these rules are also important for civil law, including contractual disputes, claims for damages for negligence, and defamation. Although evidence law is largely procedural, its application can have a profound effect on the outcome of a case.

LAW5322 ADVANCED CIVIL PROCEDURE (FBELA - PGRD)
Semester 2 (WEB) / Semester 3 (WEB)
Units 1.0 (Law not elsewhere classified) Band 3
Pre-requisite: LAW5212 or LAW5705

This is a one-unit course that contributes towards the Master of Laws Research Dissertation. The Dissertation comprises the research and writing of a dissertation (maximum of 40,000 words). 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 applied research project is required to submit a research proposal to the Head of School and Faculty Research and Higher Degrees Committee for approval and endorsement by the Dean prior to the commencement of research. Most topics are drawn from the candidate's work experience and in these cases, topics are usually not necessarily suited for that purpose and the Head of School and Faculty Research and Higher Degrees Committee then considers topics drawn from elsewhere if necessary. The dissertation will be a significant piece of independently conducted and written research. To successfully complete 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.
LAW8118 INTERNATIONAL BUSINESS LAW (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (International Law) Band 3
This course addresses various areas of the law of the World Trade Organization (WTO) and the related international legal framework. It examines 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 inter national payments (documentary credits). 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 state of the law of contract. An introductory knowledge of the principles, statute and case law relating to trade and to the conduct of business across borders will be developed, as will skills of analysis and problem solving. The course will involve lectures and in-class problem-solving, and online discussion and critiques of international business problems.

LAW8500 AUSTRALIAN COMMERCIAL AND CORPORATIONS LAW (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Business and Commercial Law) Band 3
Pre-requisite: Students must be enrolled in one of the following programs: MIRC or MBAC or GDES or MPF or MPA or MPMA or MPMA.
This course is designed to provide students with general legal knowledge that covers the components of the Australian legal system, civil and common law, statute and torts, and the theory of agency and trusts, with particular emphasis on Australian company law.

LAW8710 AUSTRALIAN LAW FOR SCHOOL MANAGERS (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Law not otherwise classified) Band 3
This course aims to assist students to adapt new knowledge and skills relating to education law to the school management environment. Graduates of this course will gain confidence in identifying possible legal problems before and as they arise based on their knowledge of various statutory, contractual and common law duties, especially the duty to take reasonable care, which will underpin the educational process. Students will be challenged to critically examine and evaluate the legal rights and obligations of various stakeholders, including students and parents, educators and administrators associated with the role of managing schools. To promote the development of practical skills, students will be encouraged to use a professional and ethical approach to problem solving and to develop their own experiences and knowledge in others in the course. Participants will also gain a better understanding of the legal system in Australia, the role of lawyers, when to involve them, and how to work most effectively with them.

LAW8712 COMPARATIVE CONSTITUTIONAL LAW (FBELA - PGRD)
Semester 3 (CON)/Toowoomba
Units 1.0 (Constitutional Law) Band 3
Pre-requisite: LAW8511 or LAW5951 or LAW5501 or Students must be enrolled in one of the following programs: LLBH or LLMC or MIRC or MBAC or GDES or MPF or MPMA or MPMA.
The course encourages a historical approach to learning through (1) examining the national and methodology for comparing constitutions, and (2) an analytical framework addressing questions of constitutional purpose, function, and doctrine, and emphasis on the constitutional role of different governance structures, from the local to the supra-national. The course also looks qualitatively at constitutional convergence and divergence, and the impact of globalization on constitutional designs.

LAW8713 SUSTAINABLE ENVIRONMENTAL GOVERNANCE (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Law) Band 3
Sustainable Environmental Governance covers the national regulatory systems of Australian industry for environmental governance, and the legal and managerial requirements for the effectiveness of these. The course includes the broader framework of environmental law, rules of environmental protection and pollution control, the principles and implementation of government policies by industry codes of practice, created by agreements, and social rules; regulatory frameworks, liability for environmental impairment and non-aid; and environmental disputes. It is delivered in a seminar format over two weeks (two seminars in each of two weeks), and will involve closely supervised research assignments.

LAW8714 WATER RESOURCES LAW (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Law) Band 3
Water Resources Law deals with historical observations on the evolution and development of Australian water resource policy reform, the establishment of statutory water resource planning and the tran sition to new water access rights regimes; water access rights at common law, the contemporary statutory foundations of water access rights, the water resource planning system; and the law and policy of water trading in 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.

LAW8715 EUROPEAN UNION LAW (FBELA - PGRD)
Semester 1 (CON)/Toowoomba
Units 1.0 (International Law) Band 3
This course deals with the European Union Law as it applies to the development of international organisations, free trade agreements, and the protection of individual rights. It is delivered intensively in four seminars over two weeks (two seminars in each of two weeks), and will involve closely supervised research assignments.

LAW8716 INTERNATIONAL ENVIRONMENTAL LAW (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (International Law) Band 3
International Environmental Law covers the sources of current international environmental law, the institutional structures and processes by which international conventions and other agreements are enforced. It will interrelate key conventions and soft law instruments, and consider the role of states, international bodies, businesses and non-governmental organisations actors in developing and monitoring environmental issues. It covers the law of ozone protection and climate change, movable and fixed world heritage and wildlife and biodiversity. The course is delivered intensively in four seminars over two weeks (two seminars in each of two weeks), and will involve closely supervised research assignments.

LAW8717 INTERNATIONAL FAMILY LAW (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Family Law) Band 3
This course deals with the private international law of Australia, the European Union and the United States as it applies to questions of the validity of marriage, the recognition of foreign matrimonial and property decrees, and international child abduction. It is delivered intensively in four seminars over two weeks (two seminars in each of two weeks), and will involve closely supervised research assignments.

LAW8719 INTERNATIONAL FAMILY LAW (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Family Law) Band 3
This course deals with the private international law of Australia, the European Union and the United States as it applies to questions of the validity of marriage, the recognition of foreign matrimonial and property decrees, and international child abduction. It is delivered intensively in four seminars over two weeks (two seminars in each of two weeks), and will involve closely supervised research assignments.

LAW8750 MASTER OF LAWS COMMERICAL LAW PROJECT (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Business and Commercial Law) Band 3
Master of Laws Commercial Law Project involves a review of the literature associated with a unique project in commercial law. Students nominate a unique project in commercial law that may incorporate significant theoretical issues or practical experiences relevant to the student’s career development. The research and writing of the project will be undertaken with the guidance of an expert supervisor.

LAW8751 MASTER OF LAWS COMPARATIVE LAW PROJECT (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Law) Band 3
Master of Laws Comparative Law Project involves a review of the literature associated with a unique project in comparative law. Students nominate a unique project in comparative law that may incorporate significant theoretical issues or practical experiences relevant to the student’s career development. The research and writing of the project will be undertaken with the guidance of an expert supervisor.

LAW8752 MASTER OF LAWS SUSTAINABLE DEVELOPMENT LAW PROJECT (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Law) Band 3
Master of Laws Sustainable Development Project involves a review of the literature associated with a unique project in the law of sustainable development. Students nominate a unique project in sustainable development that may incorporate significant theoretical issues or practical experiences relevant to the student’s career development. The research and writing of the project will be undertaken with the guidance of an expert supervisor.

LAW8753 MASTER OF LAWS INTERNATIONAL LAW PROJECT (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (International Law) Band 3
Master of Laws International Law Project involves a review of the literature associated with a unique project in public international law. Students nominate a unique project in public international law that may incorporate significant theoretical issues or practical experiences relevant to the student’s career development. The research and writing of the project will be undertaken with the guidance of an expert supervisor.

LAW8754 MASTER OF LAWS PUBLIC LAW PROJECT (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Law) Band 3
Master of Laws Public Law Project involves a review of the literature associated with a unique project in public law. Students nominate a unique project in public law that may incorporate significant theoretical issues or practical experiences relevant to the student’s career development. The research and writing of the project will be undertaken with the guidance of an expert supervisor.

LIN5001 TEACHING ENGLISH GRAMMAR (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (English as a Second Language) Band 5
In this course, students will learn about the main grammatical structures of English, and about the academic foundations of grammar pedagogy. The course will build on this foundation by showing students how to use this knowledge to teach these structures to learners in a meaningful and effective way. It will also allow students to address the needs of their particular language and literacy context.

LIN5002 PRINCIPLES OF SECOND LANGUAGE LEARNING (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (English as a Second Language) Band 5
This course emphasises recent research in second language acquisition and the theoretical issues underlying such research in terms of (a) various approaches to assessing and describing learner language; (b) the notion of ‘interlanguage’; (c) the question of transfer from first language in second language learning; (d) cognitive processes and strategies involved in second language learning and communication; (e) individual learner characteristics, learning and social contexts; and (f) social and cultural context in which it is embedded.

LIN5003 PRINCIPLES OF SECOND LANGUAGE LEARNING (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (English as a Second Language) Band 5
This course emphasises recent research in second language acquisition and the theoretical issues underlying such research in terms of (a) various approaches to assessing and describing learner language; (b) the notion of ‘interlanguage’; (c) the question of transfer from first language in second language learning; (d) cognitive processes and strategies involved in second language learning and communication; (e) individual learner characteristics, learning and social contexts; and (f) social and cultural context in which it is embedded.
Digital communication technologies. Students will have the opportunity to explore the principles of second language learning methodology and the role of language in society, as well as the social aspects of language, including language and literacy assessment and policy. This course identifies and examines the key elements for success in managing language programs, including curriculum design and implementation. Students will develop their own assessment of a particular language and literacy program. The course provides language teachers with an introduction to theory and practice of Computer-Assisted Language Learning (CALL). Course topics include theoretical bases for CALL, current trends and issues of research, language teachers’ roles in CALL environments, and issues of monitoring and accountability, community engagement and organizational change. Students will have the opportunity to relate their study to their particular language and literacy program context.

LIN8002 METHODOLOGY IN TEACHING A SECOND LANGUAGE (FBELA - PGRD)
Semester 2 (WEB)Toowoomba
Units 1.0 (English as a Second Language) Band 5
This course examines the current knowledge concerning language and literacy assessment and provides students with the opportunity to relate their study to their particular language and literacy programs. It introduces the different types of language and literacy assessment, assessment techniques, and explores the purposes and investigation issues of reliability and validity. Students will develop their own assessment in which they will demonstrate their understanding of assessment design and interpretation of results.

LIN8003 LANGUAGE PROGRAM MANAGEMENT (FBELA - PGRD)
Semester 2 (WEB)Toowoomba
Units 1.0 (English as a Second Language) Band 5
This course provides language teachers with an introduction to theory and practice of Computer-Assisted Language Learning (CALL). Course topics include theoretical bases for CALL, current trends and issues of research, language teachers’ roles in CALL environments, and issues of monitoring and accountability, community engagement and organizational change. Students will have the opportunity to relate their study to their particular language and literacy program context.

LIN8006 COMPUTER-ASSISTED LANGUAGE LEARNING (FBELA - PGRD)
Semester 2 (WEB)Toowoomba
Units 1.0 (English as a Second Language) Band 5
This course provides language teachers with an introduction to theory and practice of Computer-Assisted Language Learning (CALL). Course topics include theoretical bases for CALL, current trends and issues of research, language teachers’ roles in CALL environments, and issues of monitoring and accountability, community engagement and organizational change. Students will have the opportunity to relate their study to their particular language and literacy program context.

LIN8007 LANGUAGE AND LITERACY ASSESSMENT (FBELA - PGRD)
Semester 2 (WEB)Toowoomba
Units 1.0 (English as a Second Language) Band 5
This course provides language teachers with an introduction to theory and practice of Computer-Assisted Language Learning (CALL). Course topics include theoretical bases for CALL, current trends and issues of research, language teachers’ roles in CALL environments, and issues of monitoring and accountability, community engagement and organizational change. Students will have the opportunity to relate their study to their particular language and literacy program context.

MAC9011 MATHESICS FOR TEACHERS (FHESC - UGRD)
Semester 2 (WEB)Toowoomba
Units 1.0 (Mathematics) Band 2
Students will be able to develop and extend their knowledge and understanding of mathematics and school mathematics through a variety of experiences involving problem solving, mathematical communication, reasoning and connecting mathematical ideas, its applications in the world around us. By working collaboratively and independently, students will be encouraged to think mathematically, and through many successful experiences, gain confidence in solving mathematical problems. The content of the course will include the following topics: measurement and geometry; number and algebra; statistics and probability.

MAC8901 ISSUES IN TEACHING MATHEMATICS (FHESC - PGRD)
Semester 2 (WEB)Toowoomba
Units 1.0 (Teacher Educator not elsewhere) Band 5
Students will be able to develop and extend their knowledge and understanding of mathematics and school mathematics through a variety of experiences involving problem solving, mathematical communication, reasoning and connecting mathematical ideas, its applications in the world around us. By working collaboratively and independently, students will be encouraged to think mathematically, and through many successful experiences, gain confidence in solving mathematical problems. The content of the course will include the following topics: measurement and geometry; number and algebra; statistics and probability. The course topics include theoretical bases for CALL, current trends and issues of research, language teachers’ roles in CALL environments, and issues of monitoring and accountability, community engagement and organizational change. Students will have the opportunity to relate their study to their particular language and literacy program context.

MAR8003 MASTER OF ARTS PROJECT A (FBELA - PGRD)
Semester 2 (WEB)Toowoomba
Units 2.0 (Studies in Human Society) Band 1
Pre-requisite: Students must have successfully completed HMT4005 or BCAC802.
This 2 unit course enables students enrolled in the Master of Arts program to either complete their 20,000 word thesis or their practice-led project with 10,000 word weight. The thesis shall be based on a topic chosen by the student and approved by the supervisor, and may be either the result of original investigations, or an appraisal or analysis of primary or secondary source material. The practice-led project will be accompanied by a written exposé and will enable students to explore at an advanced level the intersection between theory and practice applying their experiences in language and literacy. The emphasis will be primarily on practice in order to identify and articulate significant discoveries made through experimental methodologies to increase Masters-level discipline expertise.

MAR8004 MASTER OF ARTS PROJECT B (FBELA - PGRD)
Semester 1 (WEB)Toowoomba
Semester 2 (WEB)Toowoomba
Units 2.0 (Studies in Human Society) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: MSTA or MARA and have successfully completed MAR003.
This 2 unit course enables students enrolled in the Master of Arts program to either complete their 20,000 word thesis or their practice-led project with 10,000 word weight. The emphasis will be primarily on practice in order to identify and articulate significant discoveries made through experimental methodologies to increase Masters-level discipline expertise.
Consult the Handbook on the Web at http://www.usq.edu.au/handbook/current for any updates that may occur during the year.

MAT1000 MATHEMATICS FUNDAMENTALS (FHEC - UGRD)
Semester 1 (WEB)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Mathematics) Band 2
This course develops fundamental mathematical concepts for many fields of study. Topics include basic arithmetic, measurement, basic algebra, functions and graphing, exponential, logarithmic and trigonometric functions. Skills are developed in reading, writing and communicating mathematical and quantitative information effectively in a range of settings.

MAT1088 BUILDING PROFESSIONAL NURSING ATTRIBUTES B (FHEC - UGRD)
Semester 1 (WEB)/Toowoomba
Units 0.5 (General Nursing) Band 4
Pre-Requisite: Students must be enrolled in the following program: BNRW Co-Requisite: CM1009
This course provides nursing students with a sound understanding of numeracy and its diverse use in the health profession, including the correct numbers for measuring medications and rates of delivery. The students are also expected to understand the concepts of ratio and proportion and the use of units; to be able to reliably carry out calculations for medical purposes; and to interpret charts, graphs and tables. Students will also be expected to understand the universal learning management system, computer-based communication, management and storage of information, to have good word processing skills and how to create presentations. The course will be closely linked to other courses in the first-year nursing program.

MAT1100 FOUNDATION MATHEMATICS (FHEC - UGRD)
Semester 2 (WEB)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Mathematics) Band 2
Assuming current skills at the level of Queensland Senior Secondary School Mathematics B, this course strengthens and further develops algebraic functions, trigonometric, exponential, logarithmic and graphing competencies, and introduces matrices, vectors and calculus. Emphasis is placed on developing strong foundation mathematical skills in these areas for use in tertiary studies, and on exploring and applying these skills to a range of contexts.

MAT1101 DISCRETE MATHEMATICS FOR COMPUTING (FHEC - UGRD)
Semester 1 (ONC)/Springfield (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (Mathematics) Band 2
This course introduces the basic elements of discrete mathematics which provide a foundation for an understanding of algorithms and data structures used in computing. Topics covered include number systems, logic, relations, functions, induction, recursion, Boolean algebra and graph theory.

MAT1102 ALGEBRA AND CALCULUS I (FHEC - UGRD)
Semester 1 (ONC)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Mathematics) Band 2
It is assumed that students entering this course have up-to-date Mat1 Math B competencies, that is, well-established algebra, function, graphing and trigonometry competencies, and introductory level skills in matrices, vectors and calculus. This course advances conceptual and technical competencies in these fields by investigating limits, continuity, inverse functions, compositions, rational functions and implicit functions. Calculus concepts, 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. Matrix algebra is extended to determinants, and used for modeling systems of linear equations in a variety of settings. Euler notation is used to represent complex numbers and functions.

MAT1200 OPERATIONS RESEARCH 1 (FHEC - UGRD)
Semester 2 (WEB)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Mathematics) Band 2
This course focuses on the model development, analytical techniques and the background mathematics necessary for the solution and post-optimization of linear programming, integer programming, transportation, assignment, network, and critical path problems.

MAT2100 ALGEBRA AND CALCULUS II (FHEC - UGRD)
Semester 2 (WEB)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Mathematics) Band 2
Pre-requisite: MAT1102 or MAT1002 or ENN1600 or Students must be enrolled in the following program: RNCS or MEPRI
Module 1 is an introduction to ordinary differential equations (ODEs) and series including direction fields. Euler's method, first and order separable ODEs, first and second order linear ODEs with constant coeffi cients, Taylor and Fourier series. Module 2 covers multiple-valued calculus including representation of functions of several variables, arc lengths and curves in space, partial differential, optimisation, direct and indirect variational, gradient, divergence and curl, line integrals of the 1- and 2-nd kinds, iterated integrals, Green's theorem, Module 3 extends the linear algebra of MAT1102 Algebra and Calculus 1 to cover eigenvalues and eigenvectors, vector space, bases, dimension, rank, systems of linear equation, symmetric matrices, trans formations, diagonalisation with applications.

MAT2409 HIGH PERFORMANCE NUMERICAL COMPUTING (FHEC - UGRD)
Semester 1 (WEB)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Mathematics) Band 2
Pre-requisite: CS2100 or (MAT1102 or ENM1600) or Students must be enrolled in one of the following Programs: MPT1 or MICT or MCT1 or MCTE
This course develops skills in programming high performance computers. It examines some of the typical hardware architectures and how they affect performance and programming. Algorithms to illustrate the principles are chosen from a range of scientific tasks. The course includes the study of numerical solutions of linear and non-linear equations, numerical interpolation and curve fitting, the numerical stability of ordinary differential equations, and Monte Carlo simulation. Interaction utilising modern graphics is exploited.

MAT3103 MATHEMATICAL MODELLING AND NUMERICAL SYSTEMS (FHEC - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Mathematics) Band 2
Pre-requisite: MAT2100 or ENM2600
This course uses mathematical tools introduced in pre-requisite studies to model a variety of realistic phenomena surrounding us in everyday life and introduce the student to the use of mathematical models to optimise operations in production. The course emphasises the importance of the dimensional analysis and demonstrates the close connection between phase-plane concept and qualitative analysis of solutions of ODEs. The basics of technical communication in the mathematical sciences are developed throughout the course. The oncampus offering of this course is normally available only in even-numbered years. The external offering of this course is only available in odd years. The external offering of this course is available yearly.

MAT3104 MATHEMATICAL MODELLING IN FINANCIAL ECONOMICS (FHEC - UGRD)
Semester 2 (WEB)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Mathematics) Band 2
Pre-requisite: (MAT2100 and STA2300) or (MAT2500 and STA2300) or (ENN1600 and STA2300) or Students must be enrolled in the following Program: MPT1 or MICT1 or MCT1 or MCTE
This course begins by investigating models of economic activity and the financial and economic strategies which are used to stimulate economic activity. After this models of financial processes, such as equity prices, interest rates, bond yields, and so on are considered. Simulation models of such processes are developed and used in experiments using scripts written in R and code which are supplied on the course web page (students may choose whether to use R or code - it is necessary to use both). The theory of stochastic differential equations is introduced and studied by simulation and in theory. Techniques for solving such equations by means of Runge-Kutta and Euler methods is explained and applied. This is applied to financial process problems and the Black-Scholes differential equation is formulated and solved. Brownian motion models are introduced and used to solve a variety of option pricing models. In the last part of the course the method for solving option pricing problems based on the equivalent martingale measure. The oncampus offering of this course is normally available only in odd numbered years. The external offering of this course is available yearly.

MAT3105 HARMONY OF PARTIAL DIFFERENTIAL EQUATIONS (FHEC - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Mathematics) Band 2
Pre-requisite: ENM2600 or MAT2100 or MAT2500
This course develops properties of the basic partial differential equations (PDEs) that arise commonly in applications such as the heat equation, the wave equation and Laplace's equation. It also develops the mathematical tools of Fourier transforms and special functions necessary to analyse such PDEs. The theory of infinite series is used to introduce special functions for solutions of ODEs and the general Sturm-Liouville theory. A modelling part introduces the use of partial differential equation models to model and analyse queuing and inventory problems. Concepts in simulation are developed through the design of probabilistic simulation models for inventory and queuing problems. The oncampus offering of this course is normally available only in even-numbered years. The external offering of this course is available yearly.

MAT3201 OPERATIONS RESEARCH 2 (FHEC - UGRD)
Semester 1 (ONC)/Toowoomba (WEB)/Toowoomba
Units 1.0 (Mathematics) Band 2
Pre-requisite: MAC2001 or UST1016
This course provides students with the opportunity to apply the skills and knowledge acquired in the first-year units to areas of practical importance. Applications include, 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.

MAT8180 MATHEMATICS-STATISTICS COMPLEMENTARY STUDIES A (FHEC - PGRD)
Semester 1 (ONC)/Toowoomba (WEB)/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 program. Typically the course will consist of specialist 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.

MAT8190 MATHEMATICS-STATISTICS COMPLEMENTARY STUDIES B (FHEC - PGRD)
Semester 2 (ONC)/Toowoomba (WEB)/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 program. Typically the course will consist of specialist 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.

MBA8000 APPLIED BUSINESS RESEARCH AND ETHICS (FBELA - PGRD)
Semester 1 (ONC)/Springfield (ONC)/Toowoomba (WEB)/Toowoomba
Units 2.0 (Business and Management) Band 3
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 specialist 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.

MEA1003 AUDIO PRODUCTION (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Audio Visual Studies) Band 1
Pre-requisite: Only Han Chiang College and SEGI students eligible.
Mechanical engineering course has come into its own as a field of endeavour during the past 25 years. The central theme in this branch of the concept that the properties and behaviour of a material are closely related to the internal structure of that material. The properties (which may be regarded as the response of the material to its immediate environment) are functions of (i) the kinds of atoms present and the type of bonding among them, and (ii) the geometry and arrangement of the atomic structure and macrostructure. As a result, in order to modify properties, appropriate changes must be made in the internal structure. Also, if pro cessing or service conditions alter the structure, the characteristics of the material are altered. Over the same period, not only have there been a take in the teaching of engineering materials to the engineering students. Previously, elementary courseware achieved on the mechanical properties of materials with long dull lists of chemical specifications and descriptions of processing. More recently, elementary courseware seek to provide a thorough grasp of the structures and common engineering materials. This will be achieved by providing an understanding of the properties of materials and the experimental methods by which the changes must be accomplished.

Introduction to Process Control Systems (FHEC - UGRD)
Semester 2 (Web/Toowoomba) Units 1.0 (Process and Resources Engineering) Band 2
Pre-requisite: CIV1000 or Students must be enrolled in one of the following Programs: GCEN or METC or GNSI or MEPR or MENS
This introductory course enables the student to achieve a basic understanding of the operation of control systems in a number of different designs. This course is one part of the concept of a Process Control Systems, where process controllers are designed and implemented and by applying the fundamental principles covered in this course, together with the theory and application of Fluid Mechanics, Heat Transfer, Electrical and Electronic Circuits, Sensors, and Actuators, Programmable Logic Controllers, and Interfacing Systems. The aim of this course is to enable the student to develop a basic understanding of the operation of its controllers used in a wide range of industrial processes, including food processing, process-complexity, mining and ore processing, and transportation. The course is structured so that for each process there is discussion in this on the equipment used, safety considerations, sustainability, by-products, and control requirements and control strategies.

Mechanical Thermodynamics (FHEC - UGRD)
Semester 1 (On-campus) (Toowoomba) Units 1.0 (Mechanical Engineering) Band 2
Technologies is that branch of physics which seeks to derive information on the properties of matter affected by temperature, and a description of the conversion of energy from one form to another. Mechanical engineering systems are primarily about energy exchanges. All mechanical engineering must therefore be well-rounded in the relationships which describe these exchanges. They must also be able in analysing manufacturing and systems in which the energy exchanges occur. Thermodynamics is therefore an essential and most important part of any mechanical engineering course of study.

Introduction to Thermo-Fluids (FHEC - UGRD)
Semester 2 (On-campus) (Toowoomba) Units 1.0 (Mechanical, Industrial Engineering) Band 2
Pre-requisite: (MAT1500 or EMTH100) and CV1501 or Students must be enrolled in one of the following Programs: GCEN or MCR or GNSI or MEPR or MENS
Technologies have a particular need to understand the behaviour of fluids for, amongst other things, they have the professional task of performing the tasks of control and using the material of thermodynamic systems. This course presents the fundamental concepts of fluid flow in both steady and dynamic conditions. The objective is to design the student the ability to analyse many practical problems in solid fluid to the working medium. The aims of the analysis are to estimate forces on objects due to fluid which can be either static or flowing (this is an important step in the design of these objects), to detect causes of decline in performance, and to recommend actions to be taking the life and improve efficiency in fluid systems. Basics of Thermodynamics and heat transfer in its application to the design and operation of mechanical systems are also introduced. This is to enable the student to apply some simple thermal systems and cycles.

Manufacturing Processes (FHEC - UGRD)
Semester 1 (Web/Toowoomba) Units 1.0 (Manufacturing Engineering) Band 2
Pre-requisite: MEC2101 or Students must be enrolled in one of the following Programs: GMEP or GNCI or GNSI or MEPR or MENS
Manufacturing involves the transfer of raw materials from their initial form into finished, functional products. Man achieves this transformation by using known methods of assembly and processes to design each to perform a specific function in the transformation process. Inherent in the production process of operations must be a knowledge of the properties of engineering materials and specific methods to utilise these properties during the various stages of the manufacturing process. Because of the competitive nature of the manufacturing industry, engineers are constantly striving to create new materials, better transformation methods and processes which are much easier to use, faster, and more cost-effective. Small batch production methods have been developed in Australia and manufacturing and methods processes best suited for this type of production have to be designed and installed to achieve the greatest possible productivity. This course provides an introductory study of manufacturing processes and is complemented by further studies at higher levels of the program. The various material forming and cutting processes are considered, and the knowledge gained is reinforced by practical demonstrations and videos.

Mechanical Design of Machine Elements (FHEC - UGRD)
Semester 2 (Web/Toowoomba) Units 1.0 (Mechanical Engineering) Band 2
Pre-requisite: MEC2101 and Students must be enrolled in one of the following Programs: GMEP or GNCI or GNSI or MEPR or MENS
This course aims to integrate the knowledge that the student has gained earlier in the program and to focus the student's attention and toward synthesis of solutions by working through the design of simple, common used devices.

Mechanical Robotic Dynamics (FHEC - UGRD)
Semester 2 (Web/Toowoomba) Units 1.0 (Mechanical Engineering) Band 2
Pre-requisite: MEC2101 and Students must be enrolled in one of the following Programs: GMEP or GNCI or GNSI or MEPR or MENS
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 mechanical engineering and many engineering problems. In this course these basic concepts are reviewed and a number of mechanical engineering applications to the analysis of motion of mechanisms and gear systems. The course is divided into three sections: Part One covers an overview of the design of robots and mechatronics, Part Two covers the design and case studies for robotic and mechatronics systems, and Part Three covers the design of the device and equipment and the design of the device and equipment. The topics covered include the design and operation of processes that focus on the activities and outcomes of the work conducted in Part One and Part Two above.

Mechanical Practice 2 (FHEC - UGRD)
Semester 1 (On-campus) Units 1.0 (Mechanical Engineering) Band 2
Pre-requisite: MEC1501 and Students must be enrolled in one of the following Programs: GCEN or METC or GNSI or MEPR or MENS
This course covers a series of activities designed to develop the student's knowledge of the fundamental principles of the devices and components of the device and equipment. It aims to develop their awareness of the importance of the design and operation of processes that focus on the activities and outcomes of the work conducted in Part One and Part Two above.
The engineer uses a wide variety of materials from platsium to rods to construct bridges, automobiles, jet engines, process plants, electronic components, etc. These materials have widely varying properties and consequently it is necessary for the engineer to have a working knowledge of the characteristics, properties and behaviour during processing/ fabrication and in-service of the common types of engineering materials. This course extends the basic course "Engineering Materials" by using state-of-the-art and the most recent research developments. This course is also designed to introduce the students to the main principles of materials science and its applications. The knowledge is demonstrated through systematic evaluation, exploitation, synthesis, and application in material selection and failure analysis processes of materials.

MEC3204 PRODUCTION ENGINEERING (FHESC - UGRD)
Semester 2 (WEB) (Toowoomba) (ONC) (Toowoomba)
Units 1.0 (Industrial Engineering) Band 2
Pre-requisite: MEC1201 or Students must be enrolled in one of the following Programs: GCEN or MECN or GCNS or MENS or MPR or MEPR or GCNS or MENS
The design and organisation of methods used in manufacturing is of fundamental importance to a manufacturing firm. Methods may also be termed the management of a process, the way in which physical facilities are arranged to provide an environment in which it is possible to make efficient, fast transformation. A measure of this efficiency is the time in which the transformation occurs. Time being one of the critical factors involved in the measurement of productivity. The transformation process requires an exact knowledge of the size, shape and finish of the article that is to be produced. In manufacturing the ability to measure accurately both size and form is of paramount importance to the quality and performance of the end product. Because of the wide diversity of types of processes, materials and products associated with manufacturing, the management function of a firm must be highly organised, efficient and responsive to provide an environment capable of meeting the demands and needs of its customers. Engineers must always keep abreast with advancing production and manufacturing techniques to ensure that their products remain competitive. Computer technology has made tremendous inroads into the manufacturing arena, and the ability to monitor, control and operate manufacturing processes is an essential requirement. These skills are built up as understandable solutions to practical engineering problems, illustrated where possible by real-time simulation.

MEC3303 MECHANICAL PRACTICE 3 (FHESC - UGRD)
Semester 2 (WEB) (Toowoomba) (EXT) (Toowoomba)
Units 0.0 (Mechanical, Industrial Engineering) Band 2
Pre-requisite: MEC3102 or Students must be enrolled in one of the following Programs: GCEN or MECN or GCNS or MENS
The course comprises two parts - engineering metrology and computer assisted machining. It is the aim of this course to provide students with practical skills associated with each of these areas. Metrology activities include precision measurement of component features, forming and assembling parts utilising precision measurement equipment and equipment. Subsequent analysis and presentation of measurement data also form part of metrology. Computer assisted machining encompasses NC programming methods, programming preparation, program verification and machining utilising computer software and technologies. The activities will be carried out individually and in groups.

MEC3304 MECHANICAL PRACTICE 4 (FHESC - UGRD)
Semester 2 (WEB) (Toowoomba) (EXT) (Toowoomba)
Units 0.0 (Mechanical, Industrial Engineering) Band 2
Pre-requisite: MEC3102 or MEC1105 or Students must be enrolled in one of the following Programs: GCEN or MECN or GCNS or MENS
This course aims at providing you with practical skills needed in many industrial processes. The course is designed to help you review and apply some of the basics of fluid mechanics and heat transfer to practical situations. You will conduct five tasks through which you will gain practical experience with file visualization, measuring velocity of fluids (gases or liquids), pressures, forces due to fluids and temperature of a fluid or a solid. You will also learn how to experimentally estimate flow rates in pipes and ducts, head losses in fluid systems, and heat flow in steady and transient thermal systems. You will work as part of a team and will be given the opportunity to lead the team.

MEC3305 MECHATRONIC PRACTICE (FHESC - UGRD)
Semester 2 (WEB) (Toowoomba) (EXT) (Toowoomba)
Units 0.0 (Mechanical, Industrial Engineering) Band 2
Pre-requisite: MEC3102 or MEPR102 or Students must be enrolled in one of the following Programs: GCEN or MECN or GCNS or MENS
MECH1040 ENERGY TECHNOLOGY (FHESC - UGRD)
Semester 2 (WEB) (Toowoomba) (WEB) (Toowoomba)
Units 1.0 (Mechanical, Industrial Engineering) Band 2
Pre-requisite: (MEC2101 and MEC2102) or Students must be enrolled in one of the following Programs: GCEN or MECN or GCNS or MENS or MEPR or GCNS or MENS
Over the next decade or so, environmental concerns plus the depletion of the world's fossil fuel reserves accentuated by the industrialisation of presently third world countries, are going to force a reshaping of our use of energy. This course aims to prepare the student to play an informed and constructive part in that reshaping.

MEC4406 ROBOTICS AND MACHINE VISION (FHESC - UGRD)
Semester 2 (WEB) (Toowoomba) (ONC) (Toowoomba)
Units 1.0 (Mechanical, Industrial Engineering) Band 2
Pre-requisite: MEC2304 or MEC1105 or Students must be enrolled in one of the following Programs: GCEN or MECN or GCNS or MENS or MEPR or GCNS or MENS
Robotics and machine vision are specialised aspects of mechatronics, the study of digital control of machines and systems with some useful application of value to manufacturing and other industries. Motion control system design requires the simulation of non-linearities not only in the hardware itself but also from the software running in the computer which causes a degradation in the performance characteristics of the resulting machine. This course will introduce the students to some of the concepts involved in motion control and machine vision. The topics covered include control system design, numerical control programming, and the implementation of machine vision systems.
MG1001 RISK MITIGATION, WORK HEALTH AND SAFETY (FBEA - UGRD)
Semester 1 (ONC) (Spr) (Web) (Toowoomba)
Units 1.0 (Occupational Health and Safety) Band 2

MG2002 PERSPECTIVES OF ORGANISATION (FBEA - UGRD)
Semester 2 (ONC) (Spr) (Web) (Toowoomba)
Semester 3 (Web) (Toowoomba)
Units 1.0 (Organisation Management) Band 3

MG2004 ENHANCING PERFORMANCE (FBEA - UGRD)
Semester 2 (ONC) (Spr) (Web) (Toowoomba)
Units 1.0 (Human Resource Management) Band 3

MG2007 LEADERSHIP (FBEA - UGRD)
Semester 2 (Spr) (Toowoomba)
Units 1.0 (Organisation Management) Band 3

MG2104 SUPPLY CHAIN DESIGN (FBEA - UGRD)
Semester 1 (Web) (Toowoomba)
Units 1.0 (Purchasing, Warehousing and Di) Band 3

MG2105 INTRODUCTION TO SUPPLY CHAIN OPERATIONS (FBEA - UGRD)
Semester 1 (Web) (Toowoomba)
Units 1.0 (Purchasing, Warehousing and Di) Band 3
Enrolment is not permitted in MGT2105 if MGT2103 has been previously completed.

MG3004 CREATIVITY, INNOVATION AND ENTREPRENEURSHIP (FBEA - UGRD)
Semester 2 (Web) (Toowoomba)
Units 1.0 (Business Management) Band 3

MG3006 EMPLOYMENT RELATIONS (FBEA - UGRD)
Semester 2 (ONC) (Spr) (Web) (Toowoomba)
Units 1.0 (Human Resource Management) Band 3
Enrolment is not permitted in MGT3006 if MGT2006 has been previously completed.

MG3007 KNOWLEDGE MANAGEMENT AND ORGANISATIONAL LEARNING (FBEA - UGRD)
Semester 1 (Web) (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 is to provide students with the insights and skills to facilitate, in their managerial and leadership roles, higher levels of organisation at effectiveness, efficiency, competitiveness and cooperativeness in emerging contexts. The course gives students a working knowledge of the rise 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 learning within and across organisations. These connect students form the basis for having purposeful knowledge management and organisational learning strategies. The course addresses high performance knowledge and learning organisations. Current and prospective managers and leaders are introduced to the important knowledge management and organisational learning principles. This course is primarily intended for those involved in management and learning in organisations. Students will work together on a project at a project that showcases their ability to examine and provide advice on knowledge management and (or) organisational learning processes.

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63
Having completed this course, students should be able to plan and manage, problem-solving ability, efficient workflow and an appreciation of cultural diversity are emphasised throughout the course.

MGT3201 BUSINESS STRATEGY IN A GLOBAL ENVIRONMENT (FBELA - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Business Management) Band 3
Enrolment is not permitted in MGT3201 if MGT3202 has been previously completed.

This course provides both a traditional and contemporary study of business strategy using important traditional analytic tools in the analysis of organisations facing the modern-day challenges of a globalised world. Much of this course will focus on decision making from a strategic management viewpoint and students will develop skills in making strategic and creative decisions to conduct existing environments. Students will be introduced to the role of strategy as a capstone of a professional business education. Since this is an integrative course which draws on prior subject areas, it is advisable that students complete this course in the final year of their study.

MGT3100 QUALITY AND PERFORMANCE MANAGEMENT (FBELA - UGRD)
Semester 2 (ONC)/Springfield (WEB)/Toowoomba
Units 1.0 (Quality Management) Band 3

This course will focus on ensuring quality assurance, quality control and quality improvement to the success of a business, how these functions may be integrated into the business, and the methods and techniques in their application. Students will relate business strategy, benchmarking, reliability and system effectiveness, control, continuous improvement, control, human factors and cost management to the overall improvement of quality. Quantitative and qualitative methods will be dealt with where appropriate and will be related to economic and organisational objectives of the business.

MGT3104 OPTIMISATION OF SUPPLY CHAINS (FBELA - UGRD)
Semester 1 (ONC)/Springfield (WEB)/Toowoomba
Units 1.0 (Purchasing, Warehousing and Di) Band 3

The course will cover the main concepts of optimising profit and meeting a company’s demand for goods. For example, the course will be designed to help students develop skills in applying the concepts and techniques discussed in this course to real-world problems. All of the concepts and techniques will be taught in a way that is applicable to real-world problems.

MGT3221 ORGANISATIONAL ADMINISTRATION (FBELA - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Office/Study not elsewhere) 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 tasks of an organisation. They will also learn how to apply the general concept of sensitivity analysis in optimisation problems. 

MGT3220 PROJECT MANAGEMENT PROCESSES (FBELA - UGRD)
Semester 2 (ONC)/Springfield (WEB)/Toowoomba
Units 1.0 (Project Management) Band 3

Enrolment is not permitted in MGT3220 if MGT2203 has been previously completed.

The course provides an overview of project management and its role in achieving organisational objectives. Students will learn how projects are created and managed across their lifecycle, how key stakeholders influence project outcomes, and how to match project structure with the organisational structure that is needed to provide project resources. It looks at how to define, develop and deliver the project outcomes and deliverables, and how to identify and manage the time frame and the financial resources required to deliver project outcomes. It considers how to achieve the appropriate quality of project processes and outcomes, how to manage any risks to those outcomes, and how to manage the processes by which any project deliverables are provided by external parties. It examines how to bring together all project resources and processes to ensure a successful project outcome, and how to develop appropriate competencies to manage a small to medium project.

MGT3224 WAREHOUSING AND INVENTORY TOOLS (FBELA - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Purchasing, Warehousing and Di) Band 3

This course will cover the main concepts of optimising profit and meeting a company’s demand for goods. For example, the course will be designed to help students develop skills in applying the concepts and techniques discussed in this course to real-world problems. All of the concepts and techniques will be taught in a way that is applicable to real-world problems. 

MGT3000 MANAGING ORGANISATIONAL BEHAVIOUR (FBELA - PGRD)
Semester 1 (ONC)/Springfield (WEB)/Toowoomba
Units 1.0 (Organisation Management) Band 3

All students undertaking graduate studies in Business need to appreciate and understand the nature of organisational behaviour. Students should be able to articulate behavioural issues in business situations. This course covers a framework in which students are exposed to a range of issues within the field of organisational behaviour which will allow them to further develop in skills, attitudes and skills to a level consistent with the expectations of senior management. The course aims to provide an understanding of the behaviour of the behavior of people at work. It analyses behaviour at the individual, group and organisational levels, focusing on the responsibilities, roles and powers of 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.

MGT8022 STRATEGIC MANAGEMENT (FBELA - PGRD)
Semester 1 (ONC)/Springfield (WEB)/Toowoomba
Units 1.0 (Organisation Management) Band 3

This course focuses on strategic analysis, strategic capabilities and internal and external dynamics from a resource-based perspective. The course introduces students to the outside-in approach to examine how organisations analyse the environment by assessing the key success factors (KSFs) of an industry and select the appropriate tools to evaluate internal capabilities. It does this by matching the internal capabilities to the KSF’s required to achieve sustained competitive advantage. The course assessment follows these processes by asking students to develop a range of strategies after reviewing the combined capabilities available. The course content adopts a critical stance at both the business and corporate level but also analyses the structure and systems required to support strategic financial analysis. In this sense, the course builds on much prior knowledge in other management, economic, financial and technical courses.

MGT8030 PERFORMANCE MANAGEMENT AND PEOPLE DEVELOPMENT (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Human Resource Management) Band 3

It is the responsibility of managers and leaders of organisations to optimise the full potential and talent of people and to ensure that all human resources are utilised and developed. It is only through skills traditionally aimed at performance and performance management and people development organisations not only develop people so that the organisation as a whole becomes more effective, it is therefore that through effective performance management and the development of human resources within organisations is more able to compete and be successful in a sustainable way. This course deals with issues that relate to how the strategies and performance targets of organisations can be supported and achieved through the use of performance management and people development strategies.

MGT8031 GLOBAL ISSUES IN EMPLOYMENT AND ORGANISATION (FBELA - PGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Industrial Relations) Band 3

The relations between ‘employers’ and ‘managers as their ‘agents’ in the workplace’ and workers (or non-managed employees) many throughout the world have faced enormous pressures arising from changes related to things like the increasingly global nature of work, increased domestic and international competition and other political and socio-economic pressures specific to different countries. Amongst others, organisations are pressured into becoming more flexible, efficient and productive, and the workplace is seen as a key in developing an understanding of the complexity of these relations by developing and applying international human resource management theories and best practice. This course considers the analysis of these relations from an analytical and critical angle, aspects that relate to various concepts and themes such as human resource management, employment relations, and work and employment. Apart from the global emphasis there are also specific international comparative perspectives woven into the course.

MGT8032 INTERNATIONAL MANAGEMENT (FBELA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Human Resource Management) Band 3

This course provides students with the opportunity to explore context and cultural, organisational, and managerial issues associated with the management of firms across national and cultural boundaries for global competitiveness. The focus is on the strategic management issues of international or global management. Students will critically analyse the global business context to formulate and implement strategy for international and global operations. It begins by considering strategic, sustainability and international co-operation. In addition students will critically analyse the cultural context of global performance to evaluate and apply international human resource management theories and strategies. It focuses on the management of international cultural communication issues in international companies. These activities will expand students’ international awareness, challenge their perceptions about the management of international expatriate employees, and assist them in developing a global human resource management perspective. The assignments expose students to the activities of companies operating in international contexts.

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This course examines the role of the project manager and her/his emerging role as a leader and advisor within the project organisation and project context. The course covers the requirements of and design of the modern project focused organisation to harness the knowledge and potential of individuals and teams and of organisational ability around project work. It requires students to undertake part of their learning in a team-based environment to highlight the challenges of team membership and team leadership. It examines the role of the project manager as leader of project teams and leadership building. It also addresses the roles of project in corporate society and examines the socio-cultural challenges that arise.

MGT8075 PROJECT DELIVERY (FBELA - PGRD)
Semester 2 (ONC)/(spring)/Toowoomba
Units 1.0 (Project Management) Band 3
Enrolment is not permitted in MGT8075 if MGT8028 has been previously completed.
This course examines the critical stages and methods related to project delivery. It will examine various aspects of the procurement process which is vital to harness internal and external resources for successful project completion. Contract management and other legal aspects of project management will also be covered in detail.

MGT8076 PROJECT-BASED CHANGE MANAGEMENT (FBELA - PGRD)
Semester 1 (ONC)/(spring)/Toowoomba
Units 1.0 (Project Management) Band 3
Enrolment is not permitted in MGT8076 if MGT8028 has been previously completed.
This course shows how a project or program develops out of the business lifestyle and also feeds into that lifecycle. This course provides participants with an understanding of the roles and responsibilities of project managers in delivering projects and programs. It also addresses the role of the project manager as leader of project teams and leadership building. It also addresses the roles of project in corporate society and examines the socio-cultural challenges that arise.

MGT8077 PROJECT RISK MANAGEMENT (FBELA - PGRD)
Semester 1 (ONC)/(spring)/Toowoomba
Units 1.0 (Project Management) Band 3
Enrolment is not permitted in MGT8077 if MGT8024 has been previously completed.
This course examines the methods of understanding and identifying various risks involved in a project. It will introduce tools and techniques to analyse, estimate and prioritise risks. Appropriate risk response strategies will then be developed.

MGT8078 PORTFOLIO, PROGRAM AND BENEFITS MANAGEMENT (FBELA - PGRD)
Semester 1 (ONC)/(spring)/Toowoomba
Units 1.0 (Project Management) Band 3
Enrolment is not permitted in MGT8078 if MGT8021 has been previously completed.
This course shows how a project or program develops out of the business lifestyle and also feeds into that lifecycle. This course provides participants with an understanding of the roles and responsibilities of project managers in delivering projects and programs. It also addresses the role of the project manager as leader of project teams and leadership building. It also addresses the roles of project in corporate society and examines the socio-cultural challenges that arise.

MGT8079 PROJECT MANAGEMENT RESEARCH PROJECT (FBELA - PGRD)
Semester 1 (ONC)/Toowoomba
Semester 2 (ONC)/Toowoomba
Units 1.0 (Project Management) Band 3
This capstone course will call on the student to synthesise their learning throughout their program of study by the use of a critical essay and focus it in the context of a selected and contemporary project which enables students to demonstrate key knowledge and skills they have learned during the course. Students will develop appropriate research skills and specialist knowledge which will enhance their career prospects and prepare them for future employment. This course explores complex organisational project concepts and the role they play in a global context. This course focuses on the environments in which students work and applies the academic and professional sources can be used to critically analyse complex issues. It covers how to conduct and document research and fluently for appropriate project stakeholders, and how to design and execute a critical research project.
MHN5120 ADVANCED MENTAL HEALTH NURSING 2 (FHESC - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Mental Health Nursing) Band 4
Pre-requisite: Students must be enrolled in one of the following Programs: MOHN or GDHN
This course builds on the theoretical perspectives, the practical experience in the Mental Health Nursing courses and the ACMHN Standards of Practice for Australian Mental Health Nurses 2010 as a framework for practice. In this course students will develop advanced clinical knowledge and skills in the areas of mental health nursing. This will include the development of advanced communication, decision making, and decision making abilities in the discipline of midwifery to enhance clinical decision making.

MID2102 FOUNDATIONS FOR MIDWIFERY PRACTICE (FHESC - UGRD)
Semester 1 (EXT)/Toowoomba
Units 1.0 (Midwifery) Band 4
This course aims to provide the student with foundational knowledge of the anatomy and physiology of growth, development and placental development in conjunction with the changes to the reproductive system. Content will assist students to comprehend and understand subsequent maternal adjustments to pregnancy, preparation for labour and birth, breastfeeding and the postpartum period. Additionally, this course aims to provide the student with knowledge to develop effective and competent care to assess women during the antenatal period, with a significant focus on physiological labour and birth and birth and the postnatal period. Students will have an understanding of multiple causes, with an introduction to variations of birth. The inclusion of the newborn, infant, feeding, documentation and caesarean section provide a foundation prior to an association with undertaking a midwifery placement.

MID2199 MIDWIFERY PRACTICE 1 (FHESC - UGRD)
Semester 1 (EXT)/Toowoomba
Units 1.0 (Midwifery) Band 4
This course enables students to develop beginning clinical midwifery skills and practices related to antenatal assessment, foetal growth and wellbeing, practical examination and examination taking. The course has a significant focus on the development of skills for the student to monitor maternal wellbeing, the progression of pregnancy and antenatal screening and diagnostic skills. Students will also develop skills in providing child-focused education for the woman and her family. This course will introduce students to the concepts of reflexive practice and life-long learning.

MID2201 DEVELOPING THE MIDWIFE PRACTITIONER (FHESC - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Midwifery) Band 4
Pre-requisite: MID3201 and MID3202
This course aims to provide the student with the knowledge to develop their skills in antenatal care, intrapartum care, birth and postnatal care as the primary care for the woman and her baby. This course complements MID3201 Foundations for Midwifery Practice and builds on uncomplicated midwifery care with the discussion of complicated issues of pregnancy, labour and birth and care of the baby. Students will explore the preterm labour, induction of labour, assisted birth, caesarean section and vaginal Birth After Caesarean Section (VABC) in relation to physiological and psychological contexts. There is a focus on pharmacological and non-pharmacological therapies for pain management during labour and potential implications on the infant. This course will combine early parenting skills with infant feeding strategies to enable students to provide best practice in supporting women.

MID2202 ABORIGINAL AND TORRES STRAIT ISLANDER: HEALTH AND CULTURAL PRACTICES FOR THE MIDWIFE (FHESC - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Midwifery) Band 4
This course aims to provide the student with the knowledge and skills to be able to identify cultural issues related to Aboriginal and Torres Strait Islander people and culture. Students will be able to identify inequalities in the health status of Indigenous people and their families. They will gain an understanding of the cultural care needs of Aboriginal and Torres Strait Islander people, health, family and cultural issues. Students will be able to identify inequalities in the health status of Indigenous people and their families. They will gain an understanding of the cultural care needs of Aboriginal and Torres Strait Islander people and cultural issues. These cultural interactions will be examined and strategies developed for positive relationships to be developed.

MID2299 MIDWIFERY PRACTICE 2 (FHESC - UGRD)
Semester 2 (EXT)/Toowoomba
Units 1.0 (Midwifery) Band 4
Pre-requisite: Or Co-requisite: MID2199
This course enables students to develop beginning clinical midwifery skills and practices related to practical examination, monitoring the unborn baby and breastfeeding. The course has a significant focus on the development of skills for the students to monitor maternal wellbeing, progression of pregnancy and antenatal monitoring and breastfeeding skills. Students will also develop skills in providing child-focused education for the woman and her family. Finally, this course will introduce students to the concepts of reflexive practice and life-long learning.

MID3201 PREPARATION FOR AUTONOMOUS MIDWIFERY PRACTICE (FHESC - UGRD)
Semester 2 (WEB)/Toowoomba
Units 1.0 (Midwifery) Band 4
Pre-requisite: MID3299 and MID3499
This course enables students to apply the concepts of holistic and the theoretical analysis to provide professional and competent skills to women who have increased needs during labour. Students will apply a holistic approach to assessment and management of women in relation to challenging situations that require intensive midwifery interventions. This course will resolve the skills with an awareness of relevant midwifery practice and context surrounding ongoing professional development, Medicare eligibility and sustaining midwifery knowledge. The high level practice skills will be introduced and examined to facilitate an understanding of midwifery practice.
The aim of this course is to provide an overview of the methods by which mines are extracted from the earth, and the common method used to concentrate the extracted materials prior to final metal production. Mining processes include the digging of open pits, shafts, tunnels and stopes. The main method of breaking rock is by drilling. The operation of a mine draws on a wide range of skills. In large mines, the para-professional may well specialise in a small number of areas such as contract administration or mine monitoring. In smaller mining operations, the para-professional will need to adopt many varied roles. This course provides a background to the operation of typical mines which will enable the graduate to undertake work in some of the major areas concerned with the day-to-day operation of a mine, including multi-task scheduling, contract administration and mine surveying.

MIN2002 MINE PLANNING AND DESIGN (FHEC - UGRD)
Semester 2 (WEB)Toowoomba
Units 1.0 (Mining Engineering) Band 2
Pre-requisite: MID3299 and MKT1001

This course addresses the marketing communication elements of the marketing mix. The focus is upon developing an integrated marketing communication mix which presents a clear and consistent message to the marketing organisation's customer base. The course also focuses on the design of some of the major elements and processes of mining.

MIN2003 MINE OPERATIONS AND MANAGEMENT (FHEC - UGRD)
Semester 2 (WEB)Toowoomba (ONG)Toowoomba
Units 1.0 (Mining Engineering) Band 2
Pre-requisite or Co-requisite: SVY1500

This course introduces the foundations of digital marketing and branding and the notion that consumers collectively presume and create brand value in a phylloidal environment. We explore the contradictory impact of the sharing environment, viral marketing, social media marketing, mobile marketing, wearable technology, gaming and digital marketing, brand communities and the various nuances of brand interaction. We look at ways that managers can co-create value and be more mindful of active consumers engaging in alliance and oppositional consumption practices. At the conclusion of this course students would have an understanding of the opportunities and threats that can extend or harm the value of the brand.

MKT2010 MARKETING STRATEGY (FBEA - UGRD)
Semester 1 (ONC)Springfield (WEB)Toowoomba (ONC)Toowoomba
Units 2.0 (Sales and Marketing not elsewhere) Band 2
Pre-requisite: MKT1001

This course is the capstone course for the marketing major, and as such, builds upon and consolidates previously acquired knowledge of marketing concepts, principles, theories and skills. The course introduces the theory and practice underpinning strategic marketing management and develops a sound understanding of market analysis and marketing strategy alternatives. Students will get the opportunity to conduct a marketing audit for a selected product or organisation and then build on this by developing a marketing plan to address specific organisational marketing strategy issues/problems.

MKT2013 DIGITAL MARKETING AND BRANDING (FBEA - UGRD)
Semester 1 (ONG)Springfield (WEB)Toowoomba (ONG)Toowoomba
Units 3.0 (Marketing) Band 3
Pre-requisite: MKT1001

This course seeks to explore at an advanced level the intersection between theory and practice as it relates to the discipline area of marketing. Students will work with clients to conduct a marketing audit for a selected product or organisation in terms of marketing problems. Students will be required to conduct primary and secondary research, analyze data and to apply the theoretical framework to propose solutions for the marketing problems identified.
This course will provide students with an understanding of the foundation principles and elements of marketing from a management perspective in the context of a global and rapidly changing environment. The course uses a model of critical reflection to allow students to explore and test marketing theory with real-world examples. The assessment requires students to arrive at their own conclusions of marketing through critical review, shared discussion and application.

**MSC8002 RESEARCH PROJECT II**

Semester 1 (WEB/Toowoomba) (ONC/Toowoomba)
Units 2.0 (Information Technology not elsewhere) Band 2
Pre-requisite: MSC8001

This course forms part of the second research component of the Honours and Masters programs 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 a member of staff from the Faculty. The course will consist of reviewing, researching into and reporting of a specific area and exploring possible applications of knowledge and skills from that area.

**MSC8003 INDUSTRY BASED RESEARCH PRACTICE I**

Semester 1 (WEB/Toowoomba) (ONC/Toowoomba)
Units 2.0 (Computing not elsewhere) Band 2
Pre-requisite: Students must be enrolled in MSC803 Program

This course forms the first part of the professional research component of the Master of Science program in the Faculty, being developed further in MSC804. An industry engaged project allows students to learn through engagement with industry and community partners in an authentic activity that provides a context for integrating knowledge and skills. Students will develop a project in consultation with industry 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 complete evidence of achievement of the learning outcomes through the submission of a project report. Students are also required to submit a reflective journal that summaries their learning experiences from the project work. The exact form of evidence in 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**

Semester 2 (WEB/Toowoomba) (ONC/Toowoomba)
Units 2.0 (Computer Science not elsewhere) Band 2
Pre-requisite: MSC803

This course forms the second part of the professional research component of the Master of Science program in the Faculty, being developed further in MSC804. Industry engaged project allows students to learn through engagement with industry and community partners in an authentic activity that provides a context for integrating knowledge and skills. Students will develop a project in consultation with the 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 complete evidence of achievement of the learning outcomes either 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 in submission will be guided by the supervisor and will depend on the type of activities the student undertakes with industrial engagement.

**MUI1000 PREPARING FOR SUCCESS IN MUSIC**

Semester 1 (ONC/Toowoomba)
Units 1.0 (Music Band 1)

Students are introduced to a broad range of concepts which will assist them in their learning throughout their degree program but which also form the basis of building a successful and sustainable music career.

**MUI1009 DIY MUSIC: RECORDING AND PRODUCTION**

Semester 2 (WEB/Toowoomba) (ONC/Toowoomba)
Units 1.0 (Music Band 1)

This course introduces the practical and theoretical procedures employed by musicians when recording a new musical work. Students are introduced to recording techniques and technologies. Students are then mentored through an application of their learning in generating new recorded material. *’This course assumes students have the ability to operate a computer and navigate a file system and the ability to contribute to the creation of a new musical work.*

**MUI1002 COLLABORATIVE MUSIC PRACTICE 2**

Semester 2 (WEB/Toowoomba) (ONC/Toowoomba)
Units 1.0 (Music Band 1)
Pre-requisite: MUI11002

This course provides a survey of the rudiments of music and its notation, including such concepts as the notation of pitches, metrical values, rhythms, metres, temps and understanding simple musical forms. The course also provides an opportunity for students to understand and explore the relationship between melody, harmony and rhythm. The course further provides an introduction to the role of technology in music making, including the use of music notation software.

**MUI1008 PREPARING FOR SUCCESS IN MUSIC**

Semester 1 (ONC/Toowoomba)
Units 1.0 (Music Band 1)

Students are introduced to a broad range of concepts which will assist them in their learning throughout their degree program but which also form the basis of building a successful and sustainable music career.

**MUI1009 DIY MUSIC: RECORDING AND PRODUCTION**

Semester 2 (WEB/Toowoomba) (ONC/Toowoomba)
Units 1.0 (Music Band 1)

This course introduces the practical and theoretical procedures employed by musicians when recording a new musical work. Students are introduced to recording techniques and technologies. Students are then mentored through an application of their learning in generating new recorded material. *’This course assumes students have the ability to operate a computer and navigate a file system and the ability to contribute to the creation of a new musical work.*

**MUI1003 COLLABORATIVE MUSIC PRACTICE 3**

Semester 1 (WEB/Toowoomba) (ONC/Toowoomba)
Units 1.0 (Music Band 1)
Pre-requisite: MUI11002

This course further develops the skills acquired through completion of MUI1001 and MUI1002, by encouraging students to begin to work more independently on collaborative projects. Students will create their own ensemble project together with stated performance outcomes. Students must not only perform in the ensemble but co-ordinate rehearsals, submit their project in a contemporary ensemble, or where appropriate, perform as a lead instrument.

**MUI1002 COLLABORATIVE MUSIC PRACTICE 2**

Semester 2 (WEB/Toowoomba) (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, such that students are exposed to different genres, instruments, ensemble configurations and performance situations in real time or via the StudyDesk. 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.
MU2004 COLLABORATIVE MUSIC PRACTICE 4 (FBEA - UGRD)
Semester 2 (ONC)Toowoomba (WEB)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MU2002
This course further develops the skills acquired through completion of MU2003 by requiring students to work both independently and collaboratively on a project. On-campus students will contribute to a project coordinated by staff. These students learn to not only self-initiate but take direction from project coordinators. Staff will work to identify objectives and devise a structure. Online students will continue with their ensemble activities from MU2003 or propose a new ensemble activity.

MU2005 COLLABORATIVE MUSIC PRACTICE 5 (FBEA - UGRD)
Semester 1 (ONC)Toowoomba (WEB)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MU2004
This course further develops the skills acquired through completion of MU2005 by requiring students to work both independently and collaboratively on a project. On-campus students work independently and lead projects or to participate in projects as a team member, and to work collaboratively with other. Online students will continue with their ensemble activities from MU2005 or propose a new ensemble activity.

MU3010 MAKING MUSIC 5: IMPROVISING (FBEA - UGRD)
Semester 1 (ONC)Toowoomba (WEB)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MU2008
This course provides further practical instruction in the use of improvisation and contemporary music to create musical art. It further develops knowledge, understanding and experiential practice in the art of musical improvisation.

MU3011 MAKING MUSIC 6: CONTEMPORARY ARRANGING AND PRODUCTION (FBEA - UGRD)
Semester 2 (WEB)Toowoomba (ONC)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MU2008
With a focus on text within recorded contemporary music since 1950, this course provides students with the analytical skills to develop an advanced practice in the arranging and production of contemporary music.

MU3012 MUSICAL CONTEXTS 3: CRITICAL PERSPECTIVES (FBEA - UGRD)
Semester 2 (WEB)Toowoomba (ONC)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 engage with the assumptions which underpin our understanding of the role of music in society and culture.

MU3019 GUIDED STUDIO PRACTICE 4 (FBEA - UGRD)
Semester 2 (WEB)Toowoomba (ONC)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MU2020
Students continue to develop a framework for productive, meaningful and relevant independent practice as initiated in MU3020. Through classes, lessons and online activities, students are guided to work independently to establish and achieve their musical and technical goals.

MU3020 GUIDED STUDIO PRACTICE 3 (FBEA - UGRD)
Semester 1 (WEB)Toowoomba (ONC)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: MU2019
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.

MU3030 CONTEMPORARY MUSIC THEORY AND ANALYSIS (FBEA - UGRD)
Semester 1 (ONC)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: BAHN or BTAH or BCAN or BSN or BMR
The purpose of this course is to introduce students to the various ways contemporary music is situated within a theoretical and analytical framework. Students will examine ideas and issues in contemporary music research relating to the nexus of theory and practice, and apply these ideas in an analysis of key works in popular contemporary music.

MU3002 CONTEMPORARY MUSIC THEORY AND ANALYSIS (MASTERS) (FBEA - PGRD)
Semester 1 (WEB)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: BAHN or BTAH or BCAN or BSN or BMR
The purpose of this course is to introduce students to the various ways contemporary music is situated within a theoretical and analytical framework. Students will examine ideas and issues in contemporary music research relating to the nexus of theory and practice, and apply these ideas in an analysis of key works in popular contemporary music.

MU3007 ADVANCED GUIDED STUDIO PRACTICE (MASTERS) (FBEA - PGRD)
Semester 2 (ONC)Toowoomba (WEB)Toowoomba
Units 1.0 (Music) Band 1
Pre-requisite: Students must be enrolled in one of the following Program: BSN or BMR
Students continue to develop a framework for productive, meaningful and relevant independent practice as initiated in the BCAr program. Through intensive workshops, individual lessons and reflection, students are guided to work independently to establish and achieve their musical and technical goals at an advanced level.

NUR1099 PROFESSIONAL NURSING FOR OLDER PEOPLE (FHS - UGRD)
Semester 1 (EXT)Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: NUR1140 or NUR2000 and NUR120 or NUR1200
This course provides the foundation knowledge for nurses caring for older people in conjunction with providing students’ first clinical experience placement. Students will engage in situated learning opportunities for the development and application of practical skills such as observation, assessment, psychomotor skill acquisition and professional communication, documentation and reflection. The theoretical component of this course emphasises the core values underpinning nursing older people which are to respect personhood at all times and to support the rights of older people to quality care in all settings. After a foundation of understanding global ageing and the ageing process, the students will be expected to critically reflect upon ageism and how this may potentially impact on one’s behaviour. Challenges common to old age and the specific nursing care interventions in relation to the challenges will be explored. Contemporary care structures and how and how Registered Nurses can manage the care continuum will be examined. Underpinning this professional knowledge base will be positive messages related to ageing and this course will act as an introduction to health promotion and enable students to critically reflect on the opportunities to apply health promotion throughout their clinical practice. Students will participate in an 80 hour facilitated clinical placement in a residential aged care setting and be assessed at the end of the placement against the Australian Graduate Attributes and the professional standards for the Registered Nurse.

NUR1100 INTRODUCTION TO NURSING PRACTICE (FHS - UGRD)
Semester 1 (ONC)Toowoomba (EXT)Toowoomba (ONC)Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: Students must be enrolled in the following Program: BNSG or BNRJ
In this course students are introduced to a fundamental knowledge and skills of the nursing profession. This is a foundational course in the Bachelor of Nursing aimed at developing basic fundamental as well as essential and practice knowledge 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 students in relation to person-centred care, patient safety, cultural, spiritual and contextual competencies, and development and practice. This course includes theoretical foundations of clinical practice and the nursing process as they relate to the clinical environment. In the clinical practice settings developed in this course will be further developed in future courses like NUR1200 and applied in a variety of clinical settings across the program. In this course students learn the basic principles of infection control and holistic nursing assessment including vital signs monitoring, patient care, safe nursing care to support activities of daily living; and manual handling and movement skills.定期和不断的监测和反馈。
NUR1102 LITERACIES AND COMMUNICATION FOR HEALTH CARE (FHESC - UGRD)
Semester 1 (ONC) (speech) (ONC) Toowoomba (WEB) Toowoomba
Semester 2 (ONC) (speech) (ONC) Toowoomba (WEB) Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: Students must be enrolled in the following Program: BNUR or BHMS or BHSG or BWSG

This course will introduce communication concepts and frameworks relevant to health care and prepare students for engaging in therapeutic communication in a variety of clinical and professional situations. Students will develop and demonstrate an early capacity to communicate effectively with individuals, families and colleagues within health care contexts. The learning activities in the course will equip students with self-awareness and self-care strategies to build their resilience in practice. Students will develop critical thinking for nurses, continue to develop health and digital literacy and academic writing skills. Students will commence building a professional portfolio. Verbal and written communication requirements for professional and academic student success will be introduced to build quality communication attributes.

NUR1120 HEALTH AND ILLNESS (FHESC - UGRD)
Semester 1 (WEB) Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: Students must be enrolled in Program: BNJR or BHMS or BHSG or BWSG

Students will be able to describe how health, illness and wellness can be conceptualised and how these concepts can be applied in terms of contemporary health models, theories and frameworks. Students will be able to identify a range of determinants which may impact on health and behaviour including social / psychological, biological and environmental factors. In addition, students will also begin to develop knowledge of how socioeconomic factors and health beliefs can also impact on an individual's experience of health or illness. Students will also begin to develop knowledge of a health professional's role in preventing illness and promoting health and apply this at an individual, family and community / population level. Students will be able to identify significant health issues in Australia across all developmental, gender, indigenous and rural and remote health regions. Students in this course will develop critical thinking skills by exploring how a determinant's approach can be incorporated into their practice.

NUR1201 THE PATIENT EXPERIENCE: PARTNERING IN CARE (FHESC - UGRD)
Semester 2 (speech) Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: Students must be enrolled in the following Program: BNUR or BHMS or BHSG or BWSG

In this course the emphasis is on optimising the patient experience by partnering with patients and families. It is important that beginning nursing students have a clear understanding of patient-centred care and the need to develop collaborative practice strategies. Dignity, respect, information sharing, and collaborative decision-making are core concepts. Associated knowledge and skills will include emphasis on professional nursing qualities and attributes.

NUR1202 PROFESSIONAL IDENTITY (FHESC - UGRD)
Semester 2 (ONC) (speech) (ONC) Toowoomba (WEB) Toowoomba
Semester 2 (ONC) (speech) (ONC) Toowoomba (WEB) Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: Students must be enrolled in the following Program: BNUR or BHMS or BHSG or BWSG

In this course beginning undergraduate nursing students are introduced to fundamental elements influencing professional identity for health care. Students reflect on personal skills and attributes to situate 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 2 (ONC) (speech) (EXT) Toowoomba (ONC) Toowoomba (EXT) Toowoomba
Semester 3 (EXT) Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: NUR1102 or NUR1110

This is the first clinical placement experience in the Bachelor of Nursing at university. In this course, assessment and practice skills applicable to all settings and age groups. The Nursing and Midwifery Board of Australia (NMB) fundamental nursing practice for the registered nurse is used as a framework to guide students in relation to person-centred care, patient safety, culturally and contextually appropriate, and developing practice. This course includes the theoretical and practical foundations of clinical practice and the nursing process in the clinical environment. Nursing students will develop an understanding of the process of applying knowledge and expertise to a clinical situation to develop a solution. At a beginning level student nurses will develop effective clinical reasoning skills that enable the collection of data, an ability to solve problems, make decisions, and provide quality patient care. Students will explore the application of clinical reasoning process to fundamental patient assessments. Intensive clinical simulation and laboratory practice are used in this course to expand knowledge, skills, and confidence in medication calculation and administration, including parenteral routes, more advanced wound care; tube feeding; application of oxygen; and higher level assessment and clinical reasoning skills.

NUR2000 MEDICATIONS: THEORY AND PRACTICE (FHESC - UGRD)
Semester 2 (ONC) (speech) (ONC) Toowoomba (EXT) Toowoomba (EXT) Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: NURSC250 and NURG102 and NUR299 or Students must be enrolled in Program: BNUR

The importance of the nurse's role in the safe and proficient administration of medications cannot be overstated. This course is designed to provide nursing students with an understanding of the basis of how medications are prescribed, administered, absorbed, distributed, metabolized and excreted. The nurse's role in the patient management and medication administration in the simulated clinical environment within the context of a first year nursing student. The mathematical processes involved in medication calculations will be revised and assessed so that students will be able to calculate dosages with a high level of accuracy.

NUR2100 EPISODES OF NURSING PRACTICE (FHESC - UGRD)
Semester 1 (ONC) (speech) (EXT) Toowoomba (ONC) Toowoomba (EXT) Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: NUR1140 and NUR2000 and NUR2099 and BIO1203 and Students must be enrolled in the following Program: BNUR

Students will focus on selected topics to learn a basic framework for nursing assessment and planning of care for individuals requiring health care in secondary and tertiary health care settings and in home care and community nursing. Students will propose care for individuals based on an understanding of the underlying disease pathology, the expected medical and pharmaceutical treatment, and the scope of independent and collaborative nursing practice. The student will learn how to help patients manage their disease, direct interventions, teach patients and family members to participate in care and lifestyle management, and by coordinating and collaborating with other professionals to provide required services. Case studies will be built around specific points of contact for the nurse with the patient/client. Clinical reasoning will be fostered to develop the ability of the student to adapt and apply concepts learned in this course to clinical situations and in subsequent courses within the Bachelor of Nursing program.

NUR2199 CLINICAL AA SITUATED PRACTICE (FHESC - UGRD)
Semester 1 (ONC) (speech) (ONC) Toowoomba
Semester 2 (ONC) (speech) (ONC) Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: NUR2000 and NUR1099 and NUR1140 and NUR1200 and Students must be enrolled in the Bachelor of Nursing at USQ.

This course applies the concepts of personal and client vulnerability, safety, fundamentals of nursing care, advocacy and medico-legal aspects from a bio-psycho-social perspective. It promotes a holistic approach to client assessment and management as students extend their prior learning by applying simulated learning situations to their clinical experiences. This will facilitate the development of students' personal and therapeutic communication skills with the aim of produc ing learners who are able to demonstrate assessment skills, critical thinking, reflection, the ability to prioritize care and the safe transfer of theory from the simulated situations to the real world of practice and to their subsequent courses of study. The clinical practicum experience provides opportunities for students to apply their learning to the ‘real world of nursing.’

NUR2200 MENTAL HEALTH NURSING PRACTICE (FHESC - UGRD)
Semester 1 (ONC) (speech) (EXT) Toowoomba (EXT) Toowoomba (ONC) Toowoomba
Semester 2 (ONC) (speech) (ONC) Toowoomba (EXT) Toowoomba (EXT) Toowoomba
Units 1.0 (Mental Health Nursing) Band 4
Pre-requisite: NUR2040 or NUR1140 and NUR1250 and CMS1008 and MAT1008 and NUR1099 and NUR2000 and BIO1203 and Students must be enrolled in the following Program: BNUR

This course enables students to acquire knowledge and to develop attitudes and skills relevant to a critical understanding of the experiences and needs of individuals and groups with mental health problems. Students will extend their clinical experience and engage in a theory and evidence-based practice. Students are expected to be able to evaluate current practices within an historical context. Several themes are addressed in the course, including an ethical framework for decision-making and critical self-assessment to explore the concepts of prejudice and stigma. The students will explore the most common and pervasive mental illnesses burdening Australian society such as depression and suicide, substance-related disorders and anxiety. The nursing care of people with serious mental illness such as psychoses, affective disorders, thought disorders and eating disorders will be introduced. The mental health needs of inpatients and special groups such as child and youth, older people, people from rural and isolated areas, Indigenous communities, Ethnic populations and the homeless. This course will focus on developing your understanding of the experience of the person with the mental illness as well as the presenting condition. The clinical Course NURJ595 Clinical C: Nursing Care for Mental Health/ Addiction for application of the theoretical material presented in this course.

NUR2300 EVIDENCE BASED NURSING PRACTICE (FHESC - UGRD)
Semester 1 (WEB) Toowoomba
Semester 2 (ONC) (speech) (ONC) Toowoomba (WEB) Toowoomba (WEB) Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: Students must be enrolled in the following Program: BNUR or BHMS

In this course students are introduced to the research process within empirical and naturalistic research paradigms to provide the foundation for understanding how research methods and critical thinking are applied in nursing and health care. Students acquire foundational knowledge regarding the development, appraisal, and application of research methods, particularly database searches, the ability to critically read the scholarly literature, and the introduction to evidence-based practice in nursing and health care. A brief introduction to qualitative and quantitative data analysis is provided with a critical appraisal of research findings and recommendations.

NUR2400 NURSING MODELS OF CARE (FHESC - UGRD)
Semester 2 (ONC) (speech) (ONC) Toowoomba (EXT) Toowoomba (ONC) Toowoomba
Semester 1 (ONC) (speech) (ONC) Toowoomba (EXT) Toowoomba (ONC) Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisite: CMS1008 and MAT1008 and NUR1140 and NUR1200 and NUR1099 and NUR2000 and BIO1203 and Students must be enrolled in the following Program: BNUR

This course builds upon the knowledge and skills obtained from prior study including the pre-requisite courses. Students will have the opportunity to develop the necessary knowledge and critical skills to be able to deal with clients/patients living with the physical and psychosocial experiences of various aspects of mental illness. In doing so students will be able to extend practice to accommodate the complexity of diverse practice settings. These settings may include hospitals, inpatient care, community care, child and youth, older people, people from rural and isolated areas, Indigenous communities, Ethnic populations and the homeless. This course will focus on developing your understanding of the experience of the person with the mental illness as well as the presenting condition. The clinical Course NURJ595 Clinical C: Nursing Care for Mental Health/ Addiction for application of the theoretical material presented in this course.

Consult the Handbook on the Web at http://www.usq.edu.au/handbook/current for any updates that may occur during the year.
NUR2499 CLINICAL B: NURSING CARE IN CONTEXT (FHESC - UGRD)
Semester 1 (ONC/speech (ONC))Toowoomba
Semester 2 (ONC/speech (ONC))Toowoomba
Units 1.0 (General Nursing) Band 4
and must be enrolled in Program: BMNJ

This course will provide students with opportunities to demonstrate the performance and responsibilities required for safe practice. NUR2499 requires students to develop their professional interactions, therapeutic relationships and nursing care practices associated with caring for individuals, families and significant others. Students will develop critical thinking and clinical decision making within a medical or surgical clinical setting (NUR1101 is a pre-requisite). The aim is to develop students’ ability to relate to a patient’s background and to gain an understanding of the challenges confronting a person of people experiencing disability and rehabilitation nurse practitioners.

NUR2303 ABORIGINAL AND TORRES STRAIT ISLANDER HEALTH (FHESC - UGRD)
Semester 3 (ONC/speech (ONC))Toowoomba
Semester 3 (WEBClinical (ONC))Toowoomba
Units 1.0 (Mental Health Nursing) Band 4
Pre-requisite: NUR1102 or Students must be enrolled in Program: BMNJ

The purpose of this course is to enable students to recognise historical and current inequalities in the health status of Aboriginal and Torres Strait Islander individuals, families, and groups and students learn about effective culturally safe communication to gain a better understanding of how to partner and collaborate to meet health needs and improve health outcomes. Particular interest will be given to a), the inequities that remain in Aboriginal and Torres Strait Islander health status as compared to their non-Aboriginal and Torres Strait Islander counterparts and b) the skills and knowledge that nurses need to develop to work with people from both Aboriginal and Torres Strait Islander cultural backgrounds. The course will utilise the principles of Primary Health Care to propose strategies in collaboration with these individuals, groups or communities to help them to equip them, able to equal, affordable and equitable and appropriate health service provision to meet these needs. Cross cultural understanding and communication is foundational to multi-disciplinary and interprofessional nursing practice. This is an important course for clients with indigenous cultures.

NUR3110 CLINICAL D: NURSING FOR COMMUNITIES (FHESC - UGRD)
Semester 1 (ONC/speech (ONC))Toowoomba
Semester 2 (ONC/speech (ONC))Toowoomba
Units 1.0 (General Nursing) Band 4
Pre-requisites: CMS1008 and MAT1008 and NUR1140 and NUR1200 and NUR1299 and NUR2999 or (NUR1099 & NUR2109 & NUR2110 & NUR2120 & NUR2125 & NUR2130 & NUR2300 & NUR2340 & NUR2400 & NUR3200 & NUR3250 & NUR3250 & NUR3250 & and must be enrolled in Program: BMNJ

Students will be able to observe and critically appraise the nurse’s role in delivering primary, secondary or tertiary care within a variety of settings. This course will provide the capabilities to identify the unique characteristics of a range of community health care settings and the community sector to take appropriate roles in the delivery of health and rehabilitation services to achieve enhanced and sustainable client outcomes. Using a situated and transformative learning approach, students will be required to explore the complex issues involved in the rehabilitation process through the perspective of professional groups and stakeholders. Students will be required to undertake a case study project in which they develop an understanding of the challenges confronting a person and family with disability and the rehabilitation role of the registered nurse.

NUR3120 NURSES AS LEADERS IN HEALTH CARE SETTINGS (FHESC - UGRD)
Semester 2 (EXTClinical (ONC))Toowoomba
Semester 3 (EXTClinical (ONC))Toowoomba
Units 1.0 (Nursing not classified) Band 4
Pre-requisites: CMS1008 and MAT1008 and NUR1140 and NUR1200 and NUR1299 and NUR2999 or (NUR1099 & NUR2109 & NUR2110 & NUR2120 & NUR2125 & NUR2130 & NUR2300 & NUR2340 & NUR2400 & NUR3200 & NUR3250 & NUR3250 & and must be enrolled in Program: BMNJ

The primary purpose of this course is to facilitate the development of a broad view of the structure and functioning of healthcare organizations, their impact on health care models and the role of nurses as leaders and managers within health care systems.
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 Education at an overseas institution 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 (WEB/Toowoomba)
Units 1.0 (Astronomy) Band 2

This astronomy course forms an introduction to planetary science, the study of planetary systems. Astronomy is presented as a way to understand our origins and place in the universe. Some of the scientific 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 planets orbiting other stars. Earth is recognized as a small terrestrial world among the many planets orbiting our star and the solar system, while the history of our planetary system is traced from a cloud of gas and dust through to the diversity of large and small worlds we observe today. This course includes a discussion of the geology and atmospheres of the terrestrial planets, jovian planet 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 (WEB/Toowoomba)
Units 1.0 (Physics) Band 2

Physics is about the fundamental natural laws governing our universe. Taken as a whole, physics can be considered as the behaviour of just two fundamental quantities (space-time and mass-energy) in the presence of just four fundamental forces (gravitational, electromagnetism, strong and weak nuclear forces). Using physics, a small set of fundamental quantities 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, electromagnetism and optics, and "modern physics" encompassing relativity and the quantum mechanics of light and matter. This course is called Physics 1 as it examines the concepts of mechanics, acoustics and thermodynamics, and is a companion course to Physics 2, which covers electromagnetism, optics and modern physics. In this course students are provided with a comprehensive introduction to key concepts for physical science students, and obtain practice with relevant calculus based problem solving and experiments.

**PHY1107 ASTRONOMY 2 (FHESC - UGRD)**
Semester 2 (WEB/Toowoomba)
Units 1.0 (Astronomy) Band 2

The astronomy course is about the Sun, the stars and galaxies, and provides an introduction to key concepts for physical science students, and obtain practice with relevant calculus based problem solving and experiments. Following this, the universe is introduced, and observational astronomy using Mt Kent Observatory. This course aims to help students appreciate our cosmic origins, today's observable universe, and the long-term future of our planet. There is also an opportunity to gain practical experience in observational astronomy using Mt Kent Observatory.

**PHY1121 PHYSICS 2 (FHESC - UGRD)**
Semester 2 (WEB/Toowoomba)
Units 1.0 (Physics) Band 2

This course explores classical optical physics in depth, including geometrical optics, optical instrumentation (such as telescopes), in terrestrial and extraterrestrial contexts with classical electromagnetic theory, and other topics such as wave behaviour (polarization, dispersion, lenses, coherence, Fourier Optics). The course includes the use of advanced textbook, and the student is expected to perform independent research and experiments. Makerspace and the Makerspace laboratory will provide opportunities for creative exploration and development. The course introduces the science, techniques and technology of observational astronomy. Topics include astronomical observing, astrometry, photometry, spectroscopy, telescopes, optics, detection and data analysis. Additional topics develop scientific skills through the use of assignments.

**PHY8002 PLANETARY SCIENCE (FHESC - PGRD)**
Semester 1 (WEB/Toowoomba)
Units 2.0 (Astronomy) Band 2

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 (WEB/Toowoomba)
Units 2.0 (Astronomy) Band 2

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.

**PHY1911 PHYSICS 2 (FHESC - UGRD)**
Semester 2 (WEB/Toowoomba)
Units 1.0 (Physics) Band 2

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 on atoms, molecules, solids, and nuclear and particle physics, and a concluding online section on modern cosmology. The theory in this course is supported and reinforced by problem solving and experiments. Students who attend at three residential school are Highly Recommended (non-attendance will mean the student misses both an element for assessment preparation and an element of assessment).

**PHY1912 OBSERVATIONAL ASTRONOMY (FHESC - PGRD)**
Semester 1 (WEB/Toowoomba)
Units 2.0 (Astronomy) Band 2

This course introduces the science, techniques and technology of observational astronomy. Topics include astronomical observing, astrometry, photometry, spectroscopy, telescopes, optics, detection and data analysis. Additional topics develop scientific skills through the use of assignments.

**PHY1913 PHYSICS 2 (FHESC - UGRD)**
Semester 2 (WEB/Toowoomba)
Units 1.0 (Physics) Band 2

An understanding of the physical processes that govern some diagnostic techniques and the function of aspects of the human body will be provided. The topics covered are the eye and light, fibre optics and lasers, sound and electrical signals, X-rays, radionuclides, radiotherapy, measuring and safety with ionising radiation, detectors and magnetic resonance imaging.

**PHY2006 PHOTONICS (FHESC - UGRD)**
Semester 2 (EXT/Toowoomba)
Units 1.0 (Physics) Band 2

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.
PMC1105 FUNDAMENTALS OF PARAMEDICINE (FHESC - UGRD)
Semester 1 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2
Pre-requisite: PMC104

This course will provide students with the opportunity to establish foundational knowledge of concepts that are important to the role of paramedics. Students will have the opportunity to examine the history of pre-hospital care, structure and function of ambulance services in Australia and internationally, and the role of paramedics within the health care system and vulnerable people. Additionally, students will determine the importance of infection control through the use of universal precautions and personal protective equipment. Finally, this course will enable students to be exposed to common medical terminology to assist them communicate in a professional manner suitable to the healthcare environment and strengthen their role in the broader healthcare team.

PMC1202 PARAMEDIC SKILLS 2 (FHESC - UGRD)
Semester 2 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2
Pre-requisite: PMC1201

Students will further develop their knowledge and skill set through being introduced to common practical presentation of medical and traumatic conditions encountered in paramedics. By integrating theoretical knowledge with practical skills, students will be able to assess, develop and implement management regimes for selected conditions from the incident scene to admission to Hospital. Paramedic Skills 2 will allow students to acquire a working knowledge of pharmacology and electrocardiography within paramedicine. Paramedic Skills 2 will enable students to gain experience in the use of ambulance communication equipment.

PMC1303 PARAMEDIC PRACTICE 1 (FHESC - UGRD)
Semester 1 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

Paramedic Placement 1 will introduce students to an experience with an emergency ambulance service. During the 4 weeks the student will be able to participate in the assessment and management of patients under the supervision of a qualified paramedic. Throughout this practical placement students will be expected to actively participate professionally in the practical environment and only perform skills, procedures and tasks in line with their scope of practice and for which they have received specific authorisation.

PMC2002 PHARMACOLOGY FOR PARAMEDICS (FHESC - UGRD)
Semester 1 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

Pharmacology for Paramedics will address basic principles of pharmacokinetics, pharmacodynamics, the structure and function of commonly used medications and the pharmacology of the major classes of medications that students and paramedics may encounter in pre-hospital healthcare. Students will also have the opportunity to learn how variables such as age, size and co-morbidities affect re sponses to medication. Finally, students will be presented with the principles and processes aligned with the safe administration of medications.

PMC2101 BEHAVIOURAL CONDITIONS AND EMERGENCIES (FHESC - UGRD)
Semester 1 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

Paramedics are increasingly required to respond to patients with behavioural conditions and emergencies therefore students need to develop strong communication skills, perform high quality mental status assessments, and develop the skills required to manage risk. This course will enable students to further their knowledge and application of communication, interpersonal and professional skills in relation to the care of difficult patients and situations. Additionally, students will be provided with opportunities to consider professionalism, empathy, cultural sensitivity, recovery-oriented practice, ethics, legal issues, self-awareness and reflective practice, safety, evidence-based practice and the role of a paramedic within the broader health system.

PMC2102 PARAMEDIC PRINCIPLES 3 (FHESC - UGRD)
Semester 1 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2
Pre-requisite: PMC1202

This course is designed to offer students a comprehensive education in medical and health science. The focus of this course is on consolidate knowledge within a clinical framework to facilitate the evolution of the student to a function competency as a beginning paramedic. Paramedic Principles 3 will cover topics such as the medical management of conditions associated with childbirth. Other individuals that may require management for non-acute or low acuity injuries or illnesses include those who may be experiencing adverse conditions such as agitation. Paramedic Principles 3 will also review medical management of conditions associated with childbirth. Paramedic Principles 3 will also review medical management of conditions associated with childbirth. This course will address the management of conditions relating to the cardiovascular and respiratory systems, inclusive of childbirth and maternal necrotis. Other areas of focus will be the use of current best practice management pathways for patients with serious low acuity illnesses or injuries, chronic illnesses, palliative care and those suffering from mental illness. This course will also illustrate the significance of history on culture and health care and compare this historical perspective to contemporary practice.

PMC2110 PARAMEDICINE PRINCIPLES 1 (FHESC - UGRD)
Semester 1 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

This course will progressively build on the foundational skills learned in Paramedic Principles 1 and 2. Paramedic Principles 1 will focus on the epidemiology, pathophysiology, clinical manifestations and therapeutic management of patients with cardiovascular and respiratory conditions. Content will also address environmental conditions including heat and cold-related exposure. Paramedic Principles 1 will also cover the role of a paramedic in the pre-hospital environment. Paramedic Principles 1 will teach students to critically appraise evidence and apply findings to paramedic practice.

PMC2201 MULTI TRAUMA (FHESC - UGRD)
Semester 2 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

Paramedic Placement 1 will introduce students to an experience with an emergency ambulance service. During the 4 weeks the student will be able to participate in the assessment and management of patients under the supervision of a qualified paramedic. Throughout this practical placement students will be expected to actively participate professionally in the practical environment and only perform skills, procedures and tasks in line with their scope of practice and for which they have received specific authorisation.

PMC2202 PARAMEDIC PRINCIPLES 4 (FHESC - UGRD)
Semester 2 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2
Pre-requisite: PMC2102

The 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 agitation. Paramedic Principles 4 will also include skills management in the area of musculoskeletal, gastrointestinal and neurological injuries and emergencies.

PMC2203 PARAMEDICINE PLACEMENT 2 (FHESC - UGRD)
Semester 2 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2

Pre-requisite: PMC1303 and PMC1202 Group Co-requisite: PMC2202

The second practical placement of 153 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 incorporate their increased knowledge and skills by contributing to assessment and management of patients who present with cardiovascular and respiratory conditions, as well as the general asessment of other patients.

PMC2301 PRACTICE AND LEADERSHIP FOR HEALTH PROFESSIONALS (FHESC - UGRD)
Semester 2 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2
Pre-requisite: PMC3110

This course recognises key principles and approaches to health care delivery based on ethical, legal practices and cultural safety. Students will have the opportunity to identify and examine legal aspects of multi casuality incidents in the pre hospital environment and management of patients who present with cardiovascular and respiratory conditions. This course will also illustrate the significance of history on culture and health care and compare this historical perspective to contemporary practice.

PMC3101 EVIDENCE BASED PRACTICE FOR HEALTHCARE PROFESSIONALS (FHESC - UGRD)
Semester 1 (ONC)/speech
Units 1.0 (Paramedical Studies) Band 2
Pre-requisite: PMC3103

Evidence Based Practice for Healthcare Professionals enables students to enhance their knowledge of research and research processes. This course will prepare students with the opportunity to examine data collection and data analyses, and appreciate the applicability of research to healthcare professionals. Finally, this course enables students to evaluate and compare research findings to identify best practices.

PMC3103 PARAMEDICINE PLACEMENT 3 (FHESC - UGRD)
Semester 3 (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. Students will have the opportunity to apply previously acquired knowledge and skills to practice as a professional and leader. Students will gain knowledge of leadership theories, frameworks and principles. Students will integrate knowledge previously gained in situations such as mentoring, coaching and communicating with others, particularly in a difficult environment. Practice and Leadership for Health Professionals will inform students of the role and importance of clinical governance and professional competences within professional practice.
the controversies over the role of the state and international political management in the wake of the global financial crisis. Core themes are then systematically examines the conflicts and debates over globalisation in which businesses and governments operate. POL2001 Globalisation and the global financial crisis have transformed the Semester 2 (ONC)Toowoomba (WEB)Toowoomba (FBELA - UGRD)

BUSINESS

POL2001 POLITICS AND INTERNATIONAL

Semester 2 (WEB)Toowoomba (ONY)Toowoomba Semester 1 (ONC)Springfield (WEB)Toowoomba (ONY)Toowoomba Semester 1 (ONC) (Political Science) Band 1

POL1000 GOVERNMENT, BUSINESS AND SOCIETY (FBE6A - UGRD)

POL1000 examines the relationships between government, business, and society, and in particular: the political power and political role of business; the impact of business activity on government and society; the role of government in moderating the impact of business; and, the roles of government in promoting and regulating business. POL1000, we address three major questions: (i) What impact does business have on government and society? (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 the issues of sustainability and ethical behaviour. POL1000 also serves to identify some important intellectual skills, including the ability to do research, to critically think about politics, and to subject political argument to critical scrutiny. Students completing POL1000 should have a stronger understanding of the conflicting attitudes that both government and society have towards business. POL1000 does not assume prior knowledge of politics or business.

POL2000 POLITICAL AND ECONOMIC IDEAS (FBE6A - UGRD)

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 ideas. The course then looks at challenges to classical liberalism, including the debates over capitalism and its problems in the twentieth century. We finish by looking at direct mechanisms of democracy and the neo-liberal critique of them. The course is aimed at developing students' understanding of different economic theories and the problems they are attempting to address. Students require no prior knowledge of economics, politics or history in order to understand the economic and political ideas of today, however students are advised not to attempt this subject in their first year of university study.

POL2001 POLITICS AND INTERNATIONAL BUSINESS (FBE6A - UGRD)

Globalisation and the global financial crisis have transformed the environment in which businesses and governments operate. POL2001 looks at the institutions of international economic governance, and then systematically examines the conflicts and debates over globalisation and free trade agreements, and over macro-economic management in the wake of the global financial crisis. Core themes are the controversies over the role of the state and international governance and tasks of political and economic institutions in the global economy.

POL2013 SUSTAINABILITY AND POLITICAL (FBE6A - UGRD)

Semester 1 (WEB)Toowoomba Units 1.0 (Political Science) Band 1

This course provides students with the means to understand the origins and conflicts over contemporary environmental issues and some of the key aspects of current debates about environmental problems. In the first part of this course, students will learn about the development of modern ‘environmentalism’ and in the second, how environmental ideas and concepts are shaped by debates on the major sectoral and discursive responses to dealing with environmental problems. In particular, students will consider how new scientific and academic units about the type and degree of policy and systemic change that is necessary to achieve an improvement in environmental outcomes. This course will provide students with a broad understanding of the history and politics of contemporary environmental action and current directions in environmental policy, so they have the capacity to be informed participants in debates and decision-making that relate to the environment.

PRLL0102 PRINCIPLES AND PRACTICE OF PUBLICATION RELATIONS (FBE6A - UGRD)

Semester 1 (WEB)Toowoomba (ONY)Toowoomba Semester 1 (ONC) (Public Relations) Band 3

This course is designed to provide students with a sound foundation of knowledge on the nature of public relations including development of skills in the design and development 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; a description of the public relations processes; and tools of public relations. The course also introduces students to programme design encompassing research, goals, objectives, strategies, tools and tactics and evaluation. Upon successful completion of the course students should be well poised to continue with the public relations major with a sound foundation in the academic and discipline (or industry) skills required.

PRLL0105 SOCIAL MEDIA ENGAGEMENT (FBE6A - UGRD)

Semester 2 (ONC)Toowoomba (WEB)Toowoomba Semester 1 (ONC) (Public Relations) Band 1

This course examines social media from the practitioners perspective and the growing influence all platforms within this medium have in corporate communications. The course teaches an introductory overview of social media, the history of contemporary social media platforms from an individual and organisational perspective with focus on best practice engagement techniques essential to the modern communicate professional.

PRLL0101 ISSUES AND CRISIS MANAGEMENT (FBE6A - UGRD)

Semester 2 (WEB)Toowoomba (ONY)Toowoomba Semester 1 (Public Relations) Band 3

This course examines the management perspective that when organisations are faced with an issue either accidental or intentional that significantly disrupts normal operations, effective communication is essential. Students will examine potential issues affecting the public and private sectors and required to develop their individual skills in planning and implementing effective communication management strategies which reflect their ability to adapt to specific workplace needs. In their efforts to minimise risks and to deal with them, students will examine risk identification, advance preparation, environmental surveillance, crisis management planning, and evaluation. At all times students will be encouraged to develop a commitment to ethical and responsible public relations practice as part of the on-going development of effective issues management strategies and to develop appropriate communication policies to facilitate issue management plans.

PRLL0202 COMMUNITY CONSULTATION AND DEVELOPMENT (FBE6A - UGRD)

Semester 1 (ONC)Toowoomba (WEB)Toowoomba Semester 1 (Public Relations) Band 1

This course introduces students preparing to enter professional contexts in contemporary public relations management strategies and techniques used in community consultation, community and public relations. Students will develop practical and conceptual skills in relation to the trends, issues and projects in consultation and project planning and implementation, and the inclusion of publics in decision-making processes of organisations.

PRLL0203 WRITING FOR PUBLIC RELATIONS (FBE6A - UGRD)

Semester 1 (ONC)Toowoomba Semester 1 (Public Relations) Band 3

Students will be introduced to the basics of public relations writing including the concepts and techniques for persuasive writing and finding and generating newsworthy information. They will study how to write material for print and electronic media, feature articles, backgrounders, brochures, newsletters and speeches. The major emphasis of the course is on developing practical public relations.
PSY1010 FOUNDATION PSYCHOLOGY B (FHES - UGRD)
Semester 1 (ONC) (sp/anch) (Web) (Toowoomba)
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: BPSH or BPSB. Students enrolled in other degrees are permitted to enrol in this course subject to the examiner's approval.

This course deals with the fundamental issues of research and pro cessional skills. With respect to psychological research skills we start by introducing the language of research and by introducing the basic constructs of any research project. We want to ensure that students understand the relationship between the research process and operationalisation through the manipulation and measurement of various constructs and how hypothesis can be constructed from such considerations. With respect to professional practice, the foundation of all professional practice is the ethical responsibilities of the professional. This course goes a step further to allow students to be able to apply the APS code of ethics to professional issues. Finally, students' intro duction to Work Integrated Learning will commence with examining

PSY1105 PSYCHOLOGICAL SKILLS B (FHES - UGRD)
Semester 3 (ONC) (sp/anch) (Web) (Toowoomba)
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in the following Program: BPSH.

In PSY1105 students will continue their preparation in psychological research and professional skills. With respect to psychological re search skills, the course applies the observational skills examined in Semester 1 to the experimental domain. As such, students will be required to run an experiment, last participants, record results, and score and analyse obtained data. With respect to the professional components, this course will introduce students to foundation intervention skills and models for therapeutic formulation and inter ventive strategies. Students will be required to develop skills for thinking about issues that affect people, and to frame these within evidence based approaches to psychological interventions. Questioning styles based on a range of therapeutic modalities will also be introduced to develop students' awareness of the technical skills required to stimulate indi vidual change.

PSY2010 SOCIAL PROCESSES OF BEHAVIOR (FHES - UGRD)
Semester 1 (ONC) (sp/anch) (Web) (Toowoomba)
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY1100

This course will cover a number of related topics in motivation and emotion as drivers of individual outcomes. Social psychology is introduced as a discipline which offers insights into the social and cultural forces which influence human behavior. A critical overview of the major approaches in social psychology is provided, including classical social psychological models, socio-cultural theory, and psychological theory and research relevant to this field of psychology are also covered (e.g., assessing different kinds of evidence and applying theory to social problems). Students will also require email and internet access to USQConnect for this course.

PSY2020 MOTIVATION AND EMOTION (FHES - UGRD)
Semester 1 (ONC) (sp/anch) (Web) (Toowoomba)
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY1010

The three goals of developmental psychology are to describe, explain, and optimize human development. This course aims to provide stu dents with the knowledge necessary to understand and optimize human development. This course takes a life-span approach, introducing students to essential research methodologies employed in developmental research, as well as the characteristics and major developmental tasks of individu als across the life span. Each of the life-span phases (fetal, infancy, toddler hood, childhood, adolescence, adulthood and the final phase of dying and death) are covered.

PSY2040 HUMAN INFORMATION PROCESSING (FHES - UGRD)
Semester 3 (ONC) (sp/anch) (Web) (Toowoomba)
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY1000 and (PSY2010 or STA3200)

The course starts with an introduction to human perceptual processes (e.g., 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 percep tion topics mainly involve vision, with minor mentions of the other senses, and include iconic memory, masking, optical illusions and signal detection theory, with a strong emphasis on experimental re search methodology and practice. Following the introductory information, theories of perception, attention and attentional theories are discussed. The course then turns to an examination of human memory with an applied focus, covering topics such as short/long term memory, eyewitness testimony, false memory, face memory, and ageing, and include current and contemporary theories of memory can be best understood, along with evidence for and against such theories. Following memory, the core part of the course centres around reasoning (and reasoning error). All content is examined toward the end of semester in an online assignment. The aim is to build and demonstrate skills in data collection and in the analysis of simple statistical reasoning. An introduction to ethics and current issues in psychology will be covered, with a strong emphasis on the ethical responsibilities of the professional. This course goes a step further to allow students to be able to apply the APS code of ethics to professional issues. Finally, students' introduction to Work Integrated Learning will commence with examining
PSY2050 FACILITATION AND NEGOTIATION (FHES - UGRD)
Semester 1 (ONC) / 1 (Psychology) Band 1
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY1102 for students enrolled in the BPSH and BPSB programs and CS1201 or CS1202 for students enrolled in the BSCI (Counselling) major. Students from other programs who wish to take this course will need permission from the examiner.

The course is divided into two parts. The first part concerns the principles of psychological testing, and topics include ethical issues relevant to the profession of psychological testing, test reliability, validity, and normal scalability of psychological tests. The second part concerns topics related to test construction, test interpretation, and the development of psychological assessments.

PSY3030 ABNORMAL PSYCHOLOGY (FHES - UGRD)
Semester 1 (ONC) / 1 (Psychology) Band 1
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY2020

This course involves an elaboration of the main concepts and issues regarding abnormal behaviour and mental illness. Major questions addressed include: (1) what is mental illness?; (2) what types of mental adaptive behaviours and psychological disorders are there?; (3) how are they classified?; (4) what are the proposed aetiologies of these disorders and with what evidence do they correlate?; (5) what general modes are available to intervene in disorders? Students will require access to e-mail and internet access to use USQConnect for this course.

PSY3050 COUNSELLING PSYCHOLOGY (FHES - UGRD)
Semester 2 (ONC) / 1 (Psychology) Band 1
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY2020

This course is designed to introduce the student to the theory and issues involved in counselling. Various models of counselling and behaviour change that constitute the field of counselling psychology will be examined along with an introduction to the major theoretical and their related techniques and interventions.

PSY3060 LEARNING AND BEHAVIOUR CHANGE (FHES - UGRD)
Semester 1 (ONC) / 1 (Psychology) Band 1
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY1020

This course aims to provide students with a comprehensive account of how humans learn through the application of behavioural techniques - the background knowledge behind some of the most useful and effective therapies in psychology. Topics include an examination of classical and operant conditioning, individual difference factors, social learning and self-regulation, in addition to a sound historical and theoretical background in learning and behaviour from Aristotle and Descartes, via Watson and Skinner, to Bandura and beyond. The course also provides an opportunity to apply such knowledge and techniques to directly influence behaviour in a training (behaviour change) scenario. As such, the course consists of an initial module which, content, assessed in a mid-semester online test, followed by a practical assignment where students will train a person or other animal in a specific skill, and report on their objectives, processes and outcomes in a final report at the end of semester. A final proposal will be submitted early in semester for the approval of the Examiner and Moderator before any behaviour modification takes place.

PSY3101 CAREER ASSESSMENT AND DEVELOPMENT (FHES - UGRD)
Semester 3 (WEB) / 1 (Psychology) Band 1
Pre-requisite: PSY2010

This course focuses on giving students a solid foundation in career development principles as well as practice in using assessment results to increase clients' self-awareness and enhance their career goals. Students will acquire rudimentary knowledge of using assessment results in a variety of practical applications. The career development of adults in organisations will be a particular focus of this course.

PSY3102 PSYCHOLOGICAL SKILLS E (FHES - UGRD)
Semester 1 (ONC) / 1 (Psychology) Band 1
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY2105 and Students must be enrolled in Program: BPSH

This course will explore the contribution of psychology in sport and exercise settings by highlighting and encouraging discussion of relevant issues. Through this process, students will develop greater awareness of the knowledge base, key skills, and professional responsibilities demanded of psychologists and researchers working in the field of sport and exercise psychology. Students will require computer and internet facilities as described in the USB Handbook for Psychology students.

PSY3104 NEUROPSYCHOLOGY (FHES - UGRD)
Semester 3 (WEB) / 1 (Psychology) Band 1
Pre-requisite: PSY2040

This course is designed to provide students with an introduction to the fundamental concepts of brain-behaviour relationships. An introduction to the history of neuropsychology is provided, along with the functions and structure of the brain. The course will focus on the relationship between brain and behaviour, with particular emphasis on how the brain contributes to psychological processes. Students will be expected to undertake a community industry placement of approximately 100 hours duration.

This course will consider psychological factors involved in the area of health and disease from the interaction between psychological factors with a variety of diseases and the progression of psychological disorders. The course will focus on the interaction between psychological factors with specific diseases and the progression of psychological disorders. The course will focus on the interaction between psychological factors with specific diseases and the progression of psychological disorders.
PSY3000 PERSONALITY THEORY
(FHESC - UGRD)
Semester 1 (WEB)Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY2020
This course builds upon personality-relevant sections of PSY1010 and PSY5030. In particular, the course will cover central topics within professional practice of psychology. Various issues will be included, such as theories of personality, motivation and applications in a variety of settings. This course is designed to introduce the student to a number of issues involved in the professional practice of psychology. Various issues such as working with challenging populations, learning, knowing, and applying ethical guidelines, and evaluating various ethical dilemmas in a variety of settings including research and practice will be explored. Students must be able to access StudyDesk.

PSY3030 SKILLS AND ISSUES IN COUNSELLING
(FHESC - UGRD)
Semester 1 (ONC) Ipswich (ONC)Toowoomba (EXT)
Units 1.0 (Counselling) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: BSCC or BPSH or BPSH (Honours) or BFSP. BPSH students, completion of the first 3 years with a GPA of 5.0 across levels 1 to 3 psychology courses.

This course provides a student with a thorough understanding of the counselling process. The focus of the course is practical with reference to previously learnt counselling theory. Students will develop the basic foundation skills of counselling, as well as the ability to formulate, plan and evaluate therapy. Professional issues pertaining to all aspects of counselling will be covered in detail, as well as core clinical issues impacting upon the client and the therapeutic process. These issues include gender and cross-cultural issues. There is an emphasis on both personal and professional self-evaluation and development. This course will be offered via two compulsory work shops on-campus, each of two days’ duration, and by self-directed study, readings, assignments and web-based discussion groups.

PSY3040 POSITIVE PSYCHOLOGY: THEORY AND APPLICATION
(FHESC - UGRD)
Semester 2 (EXT)Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: MSCR (Psychology Research) or BSCH (Psychology) or BFSP. BSCH students, completion of the first 3 years with a GPA of 5.0 across levels 1 to 3 psychology courses.

The aim of this course is to develop students critical understanding of, and competence in applying, the fundamental principles of Positive Psychology across selected contexts. The theoretical component of the course provides students with a broad overview of the development of this approach including humanistic theories through to contemporary applications of positive psychology, including cross-cultural perspectives. This course also includes a practical component which provides students with supervised experiences in positive psychological assessment, designing and delivering positive psychological interventions to individual clients, and evaluating outcomes with individual and groups.

PSY3070 ADVANCED ASSESSMENT
(FHESC - UGRD)
Semester 2 (ONC) Ipswich (ONC)Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: BSCH in Psychology major (12302) or BPSH. BPSH students, completion of the first 3 years with a GPA of 5.0 across levels 1 to 3 psychology courses.

The development of testing skills and the application of testing principles in the clinical setting will be taught through workshops, lectures, and case studies. In particular, methods will be developed in the Wechsler Adult Intelligence Scale 4th edition (WASI-IV), the Personality Assessment Inventory (PAI), the Test of Premorbid Functioning (TOPF), and methods for assessing memory and learning.

PSY4080 PSYCHOLOGY COMPLEMENTARY STUDIES A
(FHESC - UGRD)
Semester 1 (ONC) Ipswich (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) Ipswich (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.

PSY4110 ADVANCED RESEARCH APPROACHES
(FHESC - UGRD)
Semester 1 (ONC) Ipswich (ONC)Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: GCAD or GDCN or PDPP or GCCO or MCCO or MPPS

This course is divided into three parts. The first part concerns research design and methodology, and includes the theoretical foundation of research methodology, as well as information about the psychophysiology of drug addiction. The course is presented in a structured 10-module format, while the skills component is in a structured 10-module format, while the skills component is presented in an unstructured format, and assessed via a series of online quizzes and a major written assignment addressing a discipline-specific or practice-relevant topic.

This course is taught via compulsory workshops at the Ipswich campus.

PSY5010 ASSESSMENT FOR SUBSTANCE MISUSE
(FHESC - PGRD)
Semester 1 (WEB)Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: GCAD or GDCN or PDPP or GCCO or MCCO or MPPS

This course is divided into three parts. The first part concerns treatment planning and assessment, and includes the theoretical foundation of research methodology, as well as information about the psychophysiology of drug addiction. The course is presented in a structured 10-module format, while the skills component is presented in an unstructured format, and assessed via a series of online quizzes and a major written assignment addressing a discipline-specific or practice-relevant topic.

This course is taught via compulsory workshops at the Ipswich campus.

PSY5020 MOTIVATIONAL INTERVIEWING
(FHESC - PGRD)
Semester 1 (WEB)Toowoomba
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: GCAD or GDCN or PDPP or GCCO or MCCO or MPPS

This course is divided into three parts. The first part focuses on motivational interviewing, and includes the theoretical foundation of research methodology, as well as information about the psychophysiology of drug addiction. The course is presented in a structured 10-module format, while the skills component is presented in an unstructured format, and assessed via a series of online quizzes and a major written assignment addressing a discipline-specific or practice-relevant topic.

This course is taught via compulsory workshops at the Ipswich campus.
PSY0500 RESEARCH METHODS FOR PRACTITIONERS (FHESC - PGRD)
Semester 2 (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
Students will be introduced to a wide variety of methodological and statistical techniques that will enhance their ability to utilise research findings in the assessment and treatment of their clients. These methods will include the development and evaluation of tests of reliability and validity, the rules of factor and cluster analysis in informing clinical practice, the selection and recombination of test data into composites, the evaluation of reliable change, monitoring and evaluation of treatment efficacy, meta-analysis and meta-norming, the computation and analysis of test operating characteristics, and the evaluation of other techniques. Case examples and assignments are drawn from clinical practice and emphasise the value of these methods in addressing important elements of each case.

PSY0506 PRACTICE ACROSS THE LIFESPAN (FHESC - PGRD)
Semester 2 (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
Students will be introduced to the practice of psychology across the lifespan from a biopsychosocial perspective. Each phase of development from infancy through to old age must cope with different challenges through which professional psychologists seek to provide support. This requires an extensive knowledge of the physical and emotional development associated with each phase along with psychosocial and social pressures encountered by people in different stages of their life. A developmental approach will be taken in this course that focuses on the distinct types of issues confronted by psychologists in working with clients of different ages, gender, and cultural background that examines the differing influences of physical and emotional development, social roles, cultural influences, and the crises.

PSY0204 RELAPSE PREVENTION (FHESC - PGRD)
Semester 2 (Toowoomba)
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: GCAD or GDCH or PDSPP or GDCH or MCO or MPPS
This course is divided into three parts. The first part concerns the theoretical basis of relapse prevention and the evidence base which informs its application in practice. The second part of the course concerns on knowledge of the situational risk factors and cognitive dissonances that maintain health compromising behaviours. Students are guided through a number of readings and practical activities to assist development of skills for identification of cognitive distortions. This component also includes a range of strategies for responding to client lapses both in individual and group sessions, and for longer term maintenance of resilience to relapse risk. As for other courses in the GCAD program, the final module of PSY040 addresses ethics and cultural factors, both of which are either mandated or recommended aspects of training in the health professions. The knowledge concerning the course is provided in a structured 10-module format assessed through a series of online quizzes, while the skills component is assessed via a multi-levelled applied case study task.

PSY0510 ETHICAL, LEGAL AND PROFESSIONAL ISSUES (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 super-vised practice in both mental-health-specific and more general set tings. Students will examine the assumptions, values and social in-terpersonal skills that they bring into their professional practice. Building on these, students will develop their professional knowledge and interpersonal/professional competencies, including interviewing, developing a therapeutic alliance, and report writing. There is a focus on skill acquisition within the contexts of cultural competency and professional practice. The practicum course provides students with a structured situation in which to develop practical knowledge and skills within the psychol-ogy setting. Students will learn and practice different forms of clinical decision-making. Building on these, students will learn how to develop an appropriate treatment plan for each case. This course will be offered via compulsory workshop on-campus, and via readings, and assignments.

PSY0513 PSYCHOLOGY PRACTICUM 1 (FHESC - PGRD)
Semester 1 (ONC/speech)
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: PDPP or MPPS
The first practicum is designed to provide students with a structured platform in a practice setting in which appropriate psychological skills can be developed at high levels of competency. It provides an opportunity to examine applied problems from a theoretical perspective and to then apply empirically supported interventions. It therefore promotes a scientific-practitioner model of the professional psychologist. Students will be encouraged to approach applied problems and skills 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.

PSY0514 COMPREHENSIVE PSYCHOLOGICAL ASSESSMENT (FHESC - PGRD)
Semester 1 (ONC/speech)
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: PDPP or 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.

PSY0515 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 therapeutic competencies required of students before commencing supervised practice in clinical settings. Students will learn and practice different forms of structured clinical decision-making. Building on these, students will learn how to develop an appropriate treatment plan for each case. This course will be offered via compulsory workshop on-campus, and via readings, and assignments.

PSY0520 PSYCHOPHYSIOLOGY PRACTICUM 2 (FHESC - PGRD)
Semester 2 (ONC/speech)
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: PDPP or MPPS
The second practicum is designed to provide students with a structured platform in a practice setting in which appropriate psychological skills can be developed at high levels of competency. It provides an opportunity to examine applied problems from a theoretical perspective and to then apply empirically supported interventions. It therefore promotes a scientific-practitioner model of the professional psychologist. Students will be encouraged to approach applied problems and skills 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.

PSY0530 PSYCHOLOGY PRACTICUM 2 (FHESC - PGRD)
Semester 2 (ONC/speech)
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: PDPP or MPPS
This practicum course provides students with a structured situation in which to develop practical knowledge and skills within the psychol-ogy setting. Students will learn and practice different forms of clinical decision-making. Building on these, students will learn how to develop an appropriate treatment plan for each case. This course will be offered via compulsory workshop on-campus, and via readings, and assignments.

PSY0535 CLINICAL INTERVENTION (FHESC - PGRD)
Semester 2 (ONC/speech)
Units 1.0 (Psychology) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: MPPS
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 skills development workshops. The skill level of individual students will be assessed using DVD sessions.

PSY0540 ADVANCED CLINICAL INTERVENTION (FHESC - PGRD)
Semester 2 (ONC/speech)
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY045
This course addresses principles and practice of supportive, integrative, and interpersonal psychotherapies across the spectrum of crisis and trauma-based complex mental health issues across the lifespan. The course material is presented through personal critical reflection, discussion and debates in class and on-line, and through experiential skill development in three two-day workshops. The knowledge acquired will be assessed through a case-study-based class test. The skill level of individual students will be assessed using videotaped therapy sessions.

PSY08000 HEALTH PSYCHOLOGY (FHESC - PGRD)
Semester 2 (Toowoomba)
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY045
This course will examine biopsychosocial factors associated with mortality and morbidity in the Australian culture. It will consider re search and theory relevant to health and lifestyle-related behaviour and pain management. A range of health attitudes, assessment methods and interventions will be reviewed, and students will use several of these methods in practice seminars. This course will be offered through three two-day compulsory workshops on-campus, each of two days duration.

PSY08065 ADULT PSYCHOPATHOLOGY (FHESC - PGRD)
Semester 1 (Toowoomba)
Units 1.0 (Psychology) Band 1
Pre-requisite: PSY045
This course aims to support a problem-solving approach to understanding of common psychological disorders, notably diagnosis and assessment, maintaining mechanisms, and broad frameworks of intervention.
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, including proofreading, copyediting and structural editing with a focus on self-editing for writers. Publication planning, design, production and marketing for both print and digital devices are also covered. Legal and ethical concerns are covered as well, including copyright and intellectual property.

This course introduces the knowledge and skills required to write a range of materials during different stages of the publishing process, including manuscript assessments and readers’ 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 relationships. Emphasis will be on the principles of good writing including grammar, conciseness, punctuation, jargon, syntax and expression. Technical knowledge of language will be underpinned by critical analysis of the means by which language changes over time as well as appropriate forms of expression in different contexts, for different audiences and document types. The communication challenges posed by digital production processes and freelance or off-site editing and publishing will also be examined.

This course provides instruction on all levels of editing including: typesetting, copyediting and substantive or structural editing. Students will develop abilities to assess the suitability of language types for different audiences and contexts. Aspects of project 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 discussing issues, sharing resources and broadening awareness of current developments.

This course introduces a range of professional knowledge and skills needed in the editing and publishing field. The course outlines interpersonal communication skills such as effective verbal and written communication and negotiation, as well as outlining ethical issues relating to editing and publishing. 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.

This course provides the framework to assist you in understanding the processes involved in book production commissioning/acquisition, designing, producing and marketing books. The course aims to provide you with the knowledge and skills to prepare a book proposal, negotiate a contract/letter of agreement, cost the 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 relationships. Emphasis will be on the principles of good writing including grammar, conciseness, punctuation, jargon, syntax and expression. Technical knowledge of language will be underpinned by critical analysis of the means by which language changes over time as well as appropriate forms of expression in different contexts, for different audiences and document types. The communication challenges posed by digital production processes and freelance or off-site editing and publishing will also be examined.

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The course incorporates an interdisciplinary approach to the study of biodiversity and conservation, with a foundation in ecological and principles as a basis for the sustainable management of the natural environment. Issues examined from a global perspective include land use, mining, fishing and forestry, atmospheric 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.

This course provides a general introduction and overview of the emergence of environmental issues at the global scale. An inter-disciplinary approach to the study of the environment, the interrelations between society and ecological exploitation and the development of ecosystem sustainability is considered. Given is population growth, the influence of technology, environmental economics and the role of leading environmental issues. The concept of sustainability is explained with respect to land use, mining, fishing and forestry, atmospheric pollution, climate change, urbanisation and waste management. Special attention is given to ways in which environmental problems are dealt with, under the ecological sustainability development framework.

This course provides a foundation in general ecological concepts and principles relevant to the sustainable management of the environment and ecosystems. 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 (including land transformation, habitat fragmentation, patch dynamics, conservation corridors and connectivity), implications for conservation and ecologically sustainable development.

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, communities and ecosystems (conservation). This course provides a foundation in general ecological concepts and principles relevant to the sustainable management of the environment and ecosystems. 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 (including land transformation, habitat fragmentation, patch dynamics, conservation corridors and connectivity), implications for conservation and ecologically sustainable development.
RES5905 PHD STUDIES ADMINISTRATION (OFFRESH - RSCH)
Semester 1 (NON-LAB) Toowoomba
Semester 2 (EX-T) Toowoomba
Units 0.0 (Process and Resources Engineer) Band 2

This course provides students with an opportunity to apply their specialised subject knowledge and academic skills to a practical assignment 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 their workplace skills. It is envisaged that the work experience will enhance the student's post-graduation employment prospects. Students should be aware that the number of student positions in this course will be limited and acceptance will be based on the discretion of the Course Examiner. Students should have access to internet. Students intending to enrol in this course should communicate with the course examiner in advance of the first week of the semester in order to ensure that a position is available.

Semester 1 (NON-LAB) Toowoomba (ONC) Toowoomba
Semester 2 (EX-T) Toowoomba (ONC) Toowoomba
Units 1.0 (Natural and Physical Sciences) Band 2

This course provides an introduction to research for students under taking postgraduate studies in the Faculty of Business, Law and Arts. Students will learn about and engage with a number of research paradigms. Students will develop a research proposal that will demonstrate their skills in identifying research problems and develop a robust research plan. Research quality is emphasised throughout the course as students identify an appropriate theoretical framework to underpin their research proposal.

RS5907 DOCTORAL RESEARCH PROJECT A (NON-LAB) (OFFRESH - RSCH)
Semester 2 (2C) (Bachelor On line) Toowoomba (EX-T) Toowoomba
Units 1.0 (Mixed Field Programmes not enrolling) Band 3
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.

RS5908 DOCTORAL RESEARCH PROJECT A (LAB) (OFFRESH - RSCH)
Semester 2 (2C) (Bachelor On line) Toowoomba (EX-T) Toowoomba
Units 1.0 (Mixed Field Programmes not enrolling) Band 3
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.

RES5910 CONFIRMATION OF CANDIDATURE (NON-LAB) (OFFRESH - RSCH)
Semester 2 (2C) (Bachelor On line) Toowoomba (EX-T) Toowoomba
Units 2.0 (Mixed Field Programmes not enrolling) 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 in this course as part of the confirmation of candidature 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. All 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 research; 4. details of the proposed research methods, including analytical techniques and appropriate software; 5. milestones and timelines; 7. resources required to complete the research; 8. an indication of the type of The Thesis expected to be submitted (e.g. Standard Thesis, Thesis by Publication, Thesis with Creative Works component).

RS5911 CONFIRMATION OF CANDIDATURE (LAB) (OFFRESH - RSCH)
Semester 2 (2C) (Bachelor On line) Toowoomba (EX-T) Toowoomba
Units 2.0 (Mixed Field Programmes not enrolling) 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 in this course as part of the confirmation of candidature 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. All 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 research; 4. details of the proposed research methods, including analytical techniques and appropriate software; 5. milestones and timelines; 7. resources required to complete the research; 8. an indication of the type of The Thesis expected to be submitted (e.g. Standard Thesis, Thesis by Publication, Thesis with Creative Works component).

RS8000 INTRODUCTION TO RESEARCH (FBEBA - PGRD)
Semester 1 (2C) Toowoomba (ONC) Toowoomba
Semester 2 (2C) Toowoomba (WEB) Toowoomba
Units 1.0 (Society and Culture not elsewhere) Band 1

This course provides an introduction to research for students undertaking postgraduate studies in the Faculty of Business, Law and Arts. Students will learn about and engage with a number of research paradigms. Students will develop a research proposal that will demonstrate their skills in identifying research problems and develop a robust research plan. Research quality is emphasised throughout the course as students identify an appropriate theoretical framework to underpin their research proposal.

RS8001 RESEARCH METHODS (FBEBA - PGRD)
Semester 1 (2C) Toowoomba (WEB) Toowoomba
Semester 2 (2C) Toowoomba (WEB) Toowoomba
Units 1.0 (Society and Culture not elsewhere) Band 1
Co-requisite: RS8000 or student must be enrolled in the DPHD

This course provides students with applied skills in qualitative, quantitative and mixed research methods. Students gain skills to make decisions about appropriate methods to use in their research design. An emphasis is placed on the evaluation and implementation of quality research design and methods.

RS8002 BUSINESS INNOVATION RESEARCH (FBEBA - PGRD)
Semester 1 (2C) Toowoomba (WEB) Toowoomba
Semester 2 (2C) Toowoomba (WEB) Toowoomba
Units 2.0 (Mgt and Commerce) not elsewhere Band 3
Pre-requisite: RS8000

Learners will, with guidance from the course examiner, plan and execute an independent research project which clearly reflects their overall program of study. Most topics will be drawn from either a current research project or the examiner's research interests. This unit is part of a supervised research project to prepare the learner for a research-based thesis. Students gain skills in making decisions about appropriate methods to use in their research design. An emphasis is placed on the evaluation and implementation of quality research design and methods.

SC1101 SCIENCE SUCCEEDING IN SCIENCE (FHESC - UGRD)
Semester 1 (2C) Toowoomba (WEB) Toowoomba
Units 1.0 (Natural and Physical Sciences) Band 2

This course provides an introduction to the development of science and its role in human society. The approaches to science, distinguishing real science from pseudoscience, key figures and their contribution, 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, and the selection and interpretation of ideas of science, and, in so doing will provide a basis for further studies in any science discipline. Students will also provide a good arc into successful study strategies, ways of coping with stress and managing the demands of both the work study. Additionally, options for careers in science will be explored and successful scientists from both industry and academia will be invited to give their perspectives on what is required to succeed in science.

SC1901 SCIENCE FUNDAMENTALS (FHESC - UGRD)
Semester 1 (2C) Toowoomba
Units 1.0 (Natural and Physical Sciences) Band 2

This course provides an introduction to science as a process of inquiry and to key areas of science that underpin many of the disciplines of science. The course examines energy and forces, physical and chemical properties of materials, the shaping of the earth and its properties of rocks and minerals, evolution of living things and their characteristics, structure and function of the human body, human impacts on ecosystems and landscapes and the concept of sustainability. The course will familiarise students with the content and prior knowledge of science, who seek increased knowledge and skills in science, to assist in professional accreditation and personal development.
This course involves students in a research project which will be pursued by a member of staff with appropriate expertise. It may consist of pure or developmental research in an important area of science and be based on experimental work conducted either within the University or elsewhere in conjunction with a government or private organisation. The conclusion of their research program must be submitted to the research program supervisors. This course provides the opportunity for a student to pursue an area of study in science that will complement the other studies in their program. Overall Honours grades will be determined in accordance with School of Agricultural, Computational and Environmental Sciences Honours Program guidelines.

SCI4410 SCIENCE HONOURS PROJECT 2 (FHESC - UGRD)
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

SCI9012 MASTER OF SCIENCE RESEARCH PROJECT B (FHESC - RSRCH)
Semester 1 (ONC)/speech (EXT) Toowoomba (ONC)/Toowoomba
Units 2.0 (Natural and Physical Sciences) Band 2
Pre-requisite: Student must be enrolled in the following Program: MSCR
Candidates are the Master of Science (Research) (MSOR) students who have successfully completed their Master of Science (Research) (MSOR) Program. The Research Proposal is developed in this course as part of the confirmation of candidacy in the MSOR program. Admission to the Master of Science (Research) program is normally prior to the student successfully completing the Confirmation of Candidature process. The following areas will normally be addressed in the Confirmation Proposal: aims and objectives of the research, review of the relevant literature, proposed contribution to the field of research, details of the proposed research methods, including analysis of data, draft research ethics applications, if applicable, milestones and timelines, resources required to complete the research and an indication of the type of Thesis expected to be submitted (e.g. Standard Thesis, Thesis by Publication).

SCI9013 MASTER OF SCIENCE RESEARCH PROJECT C (FHESC - RSRCH)
Semester 1 (ONC)/speech (EXT) Toowoomba (ONC)/Toowoomba
Semester 2 (ONC)/speech (EXT) Toowoomba (ONC)/Toowoomba
Units 2.0 (Natural and Physical Sciences) Band 2
Pre-requisite: Student must be enrolled in the following Program: MSCR

SCI9014 MASTER OF SCIENCE RESEARCH PROJECT D (FHESC - RSRCH)
Semester 1 (ONC)/speech (EXT) Toowoomba (ONC)/Toowoomba
Semester 2 (ONC)/speech (EXT) Toowoomba (ONC)/Toowoomba
Units 2.0 (Natural and Physical Sciences) Band 2
Pre-requisite: Student must be enrolled in the following Program: MSCR

SCI9015 MASTER OF SCIENCE RESEARCH PROJECT E (FHESC - RSRCH)
Semester 1 (ONC)/speech (EXT) Toowoomba (ONC)/Toowoomba
Semester 2 (ONC)/speech (EXT) Toowoomba (ONC)/Toowoomba
Units 2.0 (Natural and Physical Sciences) Band 2
Pre-requisite: Student must be enrolled in the following Program: MSCR

SCI9016 MASTER OF SCIENCE RESEARCH PROJECT F (FHESC - RSRCH)
Semester 1 (ONC)/speech (EXT) Toowoomba (ONC)/Toowoomba
Units 2.0 (Natural and Physical Sciences) Band 2
Pre-requisite: Student must be enrolled in the following Program: MSCR

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 fulfil 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 this 1 semester in which they are taking the course.

SCI4406 COMPLEMENTARY STUDIES B (FHESC - UGRD)
Semester 2 (ONC) Toowoomba (ONC) Toowoomba
Units 1.0 (Natural and Physical Sciences) Band 2

SCI4407 COMPLEMENTARY STUDIES A (FHESC - UGRD)
Semester 1 (ONC) Toowoomba (ONC) 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. Students will be assigned after consultation with the examiner and a staff member with expertise in the area concerned. To fulfil 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 this 1 semester in which they are taking the course.
SSES1002 INTRODUCTION TO SPORT AND EXERCISE (FHES - UGRD)
Semester 2 (ONC)(SPEECH)(WEB)(TOOWOOMBA)(ONO)(TOOWOOMBA) Units 1.0 (Human Movement) Band 1
This course will outline specific concepts regarding the discipline and various roles involved in 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 expec-
tations. Students will review UQ's graduate skills and articulate their relevance to themselves and, the program and courses. Students will undertake a short course in a range of practical activities (including 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.

SSES1299 PROFESSIONAL PLACEMENT 1 (FHES - UGRD)
Semester 2 (ONC)(SPEECH)(ONC)(TOOWOOMBA)(ONO)(TOOWOOMBA) Units 0.3 (Human Movement) Band 1
This course predominantly provides observational learning regarding the nature of the authentic professional experience in a sport and exercise context. The course also provides the opportunity to observe professional practitioners at work and develop professional and exercise skills. The course also outlines the opportunities to value add to professional skills developed during the course through a mentor. The importance of evidence based research and the ability to draw together knowledge and skills from different areas of knowledge and allied health professions will be undertaken and work related documentation processes to ensure successful completion of the course are provided during the program of study.

SSES2101 GROWTH, DEVELOPMENT AND LIFESPAN (FHES - UGRD)
Semester 1 (ONC)(SPEECH)(ONC)(WEB)(TOOWOOMBA) Units 1.0 (Human Movement) Band 1
This course provides students with the opportunity to apply knowledge in growth and development across the lifespan. Content addressed includes the analysis physical growth, the development of motor characteristics and human movement, social and emotional development and development in children from childhood through adulthood. The course also enables students to develop an understanding of the effects of exercise, injuries and a range of other conditions and how these influence growth and de-
velopment and ways of addressing these. Relevant research and guidelines on growth and development are examined from a variety of disciplines, as they relate to exercise.

SSES2102 MOTOR CONTROL AND LEARNING (FHES - UGRD)
Semester 1 (ONC)(SPEECH)(ONC)(WEB)(TOOWOOMBA) Units 1.0 (Human Movement) Band 1
This course provides students with an 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 assessments of motor skills. The course will assist students to develop knowledge and skills relevant to the design of suitable programs, based on best practice, that (re)develop or address the needs of clients. The course will also provide information relevant to a generally healthy population, especially those involved in sport and physical activity, and to individuals and groups across a range of populations. The use of motor control and learning in the development of motor skills and in rehabilitation will be a focus. Current research and the relation ship to other discipline areas will be outlined.

SSES2103 FUNCTIONAL ANATOMY (FHES - UGRD)
Semester 1 (ONC)(SPEECH)(ONC)(WEB)(TOOWOOMBA) Units 1.0 (Human Movement) Band 1
Pre-requisite: (BIO1203 and BIO1206) OR (BIO1203 and BIO1100)
This course outlines foundation principles of kinematics and provides a review of the structural and functional systems relevant to exercise. The course will outline the process in which the nervous system (motor nerve), bone, ligaments and tendons and connective tissue work together to allow movement and the use of the musculoskeletal system across the lifespan. The course will outline the impact of various populations will be undertaken. Observation and analysis of practical various activities will be undertaken in order to understand the relationship of 84 © University of Southern Queensland
This course provides an introduction to the role and responsibilities of the exercise physiologist profession within the Australian healthcare system. This course will help develop the practical skills required to work efficiently and effectively in clinical settings. Students will be able to provide expert exercise assessment and testing, prescription of exercise interventions, and monitoring of a client’s progression through supervised programs. The course will focus on interactive engagement with the students to develop the students’ ability to self-analyse the rationale behind their clinical approach (clinical decision-making processes and report writing structure). Additionally, this course will build a resource for students’ fundamental and generic skills that underpin their role as Accredited Exercise Physiologist.

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 that has been outlined in other coursework provided and a consolidation of knowledge and skills is provided. The importance of applying latest research to clinical practice is outlined. An outline of practical skills to be able to work in preparation for supervised research is provided.

This course provides an introduction to the role and responsibilities of the exercise physiologist profession within the Australian healthcare system. This course will help develop the practical skills required to work efficiently and effectively in clinical settings. Students will be able to provide expert exercise assessment and testing, prescription of exercise interventions, and monitoring of a client’s progression through supervised programs. The course will focus on interactive engagement with the students to develop the students’ ability to self-analyse the rationale behind their clinical approach (clinical decision-making processes and report writing structure). Additionally, this course will build a resource for students’ fundamental and generic skills that underpin their role as Accredited Exercise Physiologist.
Your document seems to be a page from a university's course catalog or handbook, listing courses, prerequisites, and course descriptions. Here is a structured summary of the content:

**SOCE8000 IDENTITY, SELF AND SOCIETY (FBELA - UGRD)**
- Semester 2 (WEB)/Toowoomba
- Units 1.0 (Sociology) Band 1
- Pre-requisite: Students must be enrolled in one of the following Programs: MSTA or MARA.

**SPE3001 INTRODUCTION TO SPECIAL EDUCATION (FBELA - UGRD)**
- Semester 2 (EXT)/Toowoomba
- Units 1.0 (Teacher Education: Special Edu) Band 5
- Pre-requisite: EDC1400 or EDU1010

**SPE3002 AUTISM SPECTRUM DISORDER (FBELA - UGRD)**
- Semester 2 (ONC)/Springfield (ONC)/Toowoomba
- Units 1.0 (Teacher Education: Special Edu) Band 5

**SPE3003 TEACHING STUDENTS WITH HIGH SUPPORT NEEDS (FBELA - UGRD)**
- Semester 1 (ONC)/Springfield (ONC)/Toowoomba
- Units 1.0 (Teacher Education: Special Edu) Band 5

**SPE3004 SOCIAL AND EMOTIONAL WELLBEING AND LEARNING (FBELA - UGRD)**
- Semester 2 (ONC)/Springfield (ONC)/Toowoomba
- Units 1.0 (Teacher Education: Special Edu) Band 5

**SPE3005 MANAGING CHALLENGING BEHAVIOUR (FBELA - UGRD)**
- Semester 1 (ONC)/Springfield (ONC)/Toowoomba
- Units 1.0 (Teacher Education: Special Edu) Band 5

**SPE3006 LANGUAGE AND COMMUNICATION DISORDERS (FBELA - UGRD)**
- Semester 1 (ONC)/Springfield (ONC)/Toowoomba
- Units 1.0 (Teacher Education: Special Edu) Band 5

**SPE3007 DIFFERENTIATED CURRICULUM (FBELA - UGRD)**
- Semester 2 (ONC)/Springfield (ONC)/Toowoomba
- Units 1.0 (Teacher Education: Special Edu) Band 5

**SPE3008 COMMUNICATION AND COLLABORATION (FBELA - UGRD)**
- Semester 2 (ONC)/Springfield (ONC)/Toowoomba
- Units 1.0 (Teacher Education: Special Edu) Band 5

**STA2300 DATA ANALYSIS (FHESC - UGRD)**
- Semester 1 (WEB)/Toowoomba (ONC)/Toowoomba
- Semester 2 (ONC)/Springfield (ONC)/Toowoomba (WEB)/Toowoomba
- Semester 3 (WEB)/Toowoomba
- Units 1.0 (Statistics) Band 2

**STA2301 DISTRIBUTION THEORY (FHESC - UGRD)**
- Semester 1 (WEB)/Toowoomba (ONC)/Toowoomba
- Units 1.0 (Statistics) Band 2
- Pre-requisite: STA2300 and (MAT1102 or ENM1400)

**STA2302 STATISTICAL INFERENCE (FHESC - UGRD)**
- Semester 2 (ONC)/Toowoomba (WEB)/Toowoomba
- Units 1.0 (Statistics) Band 2
- Pre-requisite: STA2301

**STA3100 EVALUATING INFORMATION (FHESC - UGRD)**
- Semester 2 (ONC)/Toowoomba (WEB)/Toowoomba
- Units 1.0 (Statistics) Band 2

**STA3200 MULTIVARIATE STATISTICAL METHODS (FHESC - UGRD)**
- Semester 1 (WEB)/Toowoomba (ONC)/Toowoomba (WEB)/Toowoomba (WEB)
- Semester 2 (ONC)/Toowoomba (ONC)/Toowoomba (WEB)/Toowoomba (WEB)
- Units 1.0 (Statistics) Band 2
- Pre-requisite: STA2301

Your course descriptions provide an overview of the topics covered in each course, such as transition strategies, communication and collaboration, and statistical analysis. Each course is designed to build upon the knowledge and skills gained in previous courses, preparing students for a variety of career paths in teaching and related fields.
This course covers principles of design such as randomisation, replication, 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, prior and posterior analysis, contrasts, confounding, high order error control and reduction, and interpretation of results. Practical experience is gained in designing, carrying out, analysing and writing up the report from results of an experimental study. Methods of analysis and generalised linear models are discussed and practised, mainly using the SPSS software package.

**STA3201 STATISTICAL MODELS (FHESC - UGRD)**

Semester 2 (WEB)/Toowoomba (ONC)/Toowoomba Units 1.0 (Statistics) Band 2 Pre-requisite: STA2200 or approval of examiner

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. The topics include developing multiple regression models, testing hypotheses for these models, selecting the 'best' model, diagnosing problems in model fit, developing generalised linear models, and an introduction to the use of generalised linear models including logistic, Poisson and log-log linear models.

**STA8005 MULTIVARIATE ANALYSIS FOR HIGH-DIMENSIONAL DATA (FHESC - PGRD)**

Semester 1 (WEB)/Toowoomba (ONC)/Toowoomba Units 1.0 (Statistics) Band 2 Pre-requisite: STA2200

This course covers some of the statistical concepts and methodologies appropriate for the analysis of large high-dimensional data sets. Students will learn the mathematical foundation of a number of statistical methods, the benefit and limitations of each method, how to apply methods using statistical software, and how to assess the effectiveness of given analyses for given data sets. Theory, measurement and how to perform statistical analyses in the statistical software R. This will require students to master the writing of R code.

**STA8108 ADVANCED STATISTICS A (FHESC - PGRD)**

Semester 2 (WEB)/Toowoomba Units 1.0 (Statistics) Band 2 Pre-requisite: STA3200

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, a project (where appropriate), or some other approved activity which would complement the student's studies in the program.

**STA8190 ADVANCED STATISTICS B (FHESC - PGRD)**

Semester 2 (WEB)/Toowoomba Units 1.0 (Statistics) Band 2 Pre-requisite: STA3200

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, a project (where appropriate), or some other approved activity which would complement the student's studies in the program.

**SVY1104 SURVEY COMPUTATION A (FHESC - UGRD)**

Semester 2 (ONC)/Springfield (ONC)/Toowoomba (EXT)/Toowoomba Units 1.0 (Surveying) Band 2 Pre-requisite: SVY1102 or SVY1150 and Students must be enrolled in one of the following Programs: GSCT or GDST or MSIT or MENS

Course aims to provide students with an understanding of the properties of errors, mathematical, and observational errors, the analysis and adjustment of survey observations using least squares methods. Both manual methods, using hand held programmable computer or computer software packages are used to process data from a variety of practical problems. Students are taught to identify and understand the results of adjustment. The course examines the effects of celestial and GPS observations and coordinate transformations.

**SVY2106 GEODETIC SURVEYING A (FHESC - UGRD)**

Semester 1 (ONC)/Springfield (ONC)/Toowoomba (EXT)/Toowoomba Units 1.0 (Surveying) Band 2 Pre-requisite: SVY1110 and SVY1150 or Students must be enrolled in one of the following Programs: GSCT or GDST or MSIT or MENS

The purpose of this course is to provide the student with an understanding of the properties of errors, mathematical, and observational errors, the analysis and adjustment of survey observations using least squares methods. Both manual methods, using hand held programmable computer or computer software packages are used to process data from a variety of practical problems. Students are taught to identify and understand the results of adjustment. The course examines the effects of celestial and GPS observations and coordinate transformations.
SVY3107 GEODETIC SURVEYING B (FHEC - UGRD)
Semester 2 (GCNS or GDNS or MENS)
Units 1.0 (Surveying) Band 2
Pre-requisite: (SVY3100 or SVY3101) or Students must be enrolled in one of the following Programs: GCNS or GDNS or MENS or MSST or MENS

This course is an introduction to geodetic surveying, which is the science of determining the size and shape of the earth. The students will be taught how to observe and measure the earth, and from these data how geodetic position on the earth's surface can be obtained. This course also looks at the use of satellite systems in geodetic applications.

SVY3306 CADAstral surveying (NEW SOUTH WALES) (FHEC - UGRD)
Semester 2 (WEB) (GCNS or GDNS or MENS)
Units 1.0 (Surveying) Band 2
Pre-requisite: (SVY3100 or SVY3101) or Students must be enrolled in one of the following Programs: GCNS or GDNS or MENS or MSST or MENS

This course will introduce students to the principles and practices of cadastral surveying, the science of determining the boundaries of property and the legal description of land. The students will be taught how to observe and measure the earth, and from these data how geodetic position on the earth's surface can be obtained. This course also looks at the use of satellite systems in geodetic applications.

SVY3400 ADVANCED SURVEYING (FHEC - UGRD)
Semester 2 (GCNS or GDNS or MENS)
Units 1.0 (Surveying) Band 1
Pre-requisite: (SVY2106 and SVY2105) or Students must be enrolled in one of the following Programs: GCNS or GDNS or MENS or MSST or MENS

This course will cover the principles and practices of advanced surveying, including the use of modern surveying techniques and the application of these techniques in real-world situations.

SVY3904 SURVEYING AND SPATIAL SCIENCE PRACTICE 4 (FHEC - UGRD)
Semester 2 (EXT) (GCNS or GDNS or MENS)
Units 3.0 (Surveying) Band 2
Pre-requisite: SVY2902 or SVY2903 or Students must be enrolled in one of the following Programs: GCNS or GDNS or MENS

This course will provide students with the opportunity to apply the principles and practices of surveying and spatial science in a real-world setting. Students will be expected to work in teams to complete a variety of projects, including cadastral and cadastral boundary reinstatement, cadastral law and reinstatement, post-processed GPS and GPS network extension.

THE1001 THEATRE IN CONTEXT 1: SOPHOCLES TO SHAKESPEARE (FBEA - UGRD)
Semester 1 (ONC) (Toowoomba or WEB)
Units 1.0 (Drama and Theatre Studies) Band 1

This course will provide students with an introduction to the texts of Sophocles, Euripides, and Shakespeare and the historical and cultural contexts in which they were written.

THE1002 THEATRE IN CONTEXT 2: BOURGEOIS TO BROKEN (FBEA - UGRD)
Semester 2 (ONC) (Toowoomba or WEB)
Units 1.0 (Drama and Theatre Studies) Band 1

This course will provide students with an introduction to the texts of Ibsen, Strindberg, and Chekhov and the historical and cultural contexts in which they were written.

THE1003 POLITICAL AND COMMUNITY THEATRE (FBEA - UGRD)
Semester 2 (ONC) (Toowoomba or WEB)
Units 1.0 (Drama and Theatre Studies) Band 1

This course will provide students with an introduction to the texts of political and community theatre and the historical and cultural contexts in which they were written.

THE1004 PRODUCTION INTO PRACTICE (FBEA - UGRD)
Semester 1 (ONC) (Toowoomba or WEB)
Units 1.0 (Drama and Theatre Studies) Band 1

This course will provide students with an introduction to the practical aspects of production and the historical and cultural contexts in which they were written.

THE1012 ESSENTIAL SCENOGRAPHY (FBEA - UGRD)
Semester 1 (ONC) (Toowoomba or WEB)
Units 1.0 (Drama and Theatre Studies) Band 1

This course will provide students with an introduction to the essential elements of scenography and the historical and cultural contexts in which they were written.

THE1023 CHILDREN'S AND YOUNG PEOPLE'S THEATRE (FBEA - UGRD)
Semester 1 (ONC) (Toowoomba or WEB)
Units 1.0 (Drama and Theatre Studies) Band 1

This course will provide students with an introduction to the specific elements of children's and young people's theatre and the historical and cultural contexts in which they were written.

THE2006 THEATRE MANIFESTO (FBEA - UGRD)
Semester 1 (ONC) (Toowoomba or WEB)
Units 1.0 (Drama and Theatre Studies) Band 1

This course will provide students with an introduction to the specific elements of theatre manifestos and the historical and cultural contexts in which they were written.
THE2007 SHAKESPEAREAN THEATRE: THEN AND NOW (FBEA - UGRD)
Semester 2 (WEB)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: THE1021 or THE1022
This course provides a detailed study of the history, theory, texts and practice of drama and theatre during the Renaissance in England. The course will include a special study of the work of Shakespeare and Shakespearean production techniques.

THE2009 PROFESSIONAL SKILLS DEVELOPMENT 1 (FBEA - UGRD)
Semester 1 (ONC)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: THE1021 or THE1022
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, related to relevant theory and form the basis of students’ reflection and development as theatre artists or other audience communications.

THE2101 ACTING 1 (FBEA - UGRD)
Semester 2 (ONC)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Performing Arts not elsewhere) Band 1
Pre-requisite: THE1021 or THE1022
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. Students are encouraged to choose the same module as they have chosen or will choose in THE2009 as the skills developed in this course will be of a different nature and understanding a variety of perspectives applicable within the same field will deepen their work as creative artists. These skills are applied to various contexts related to relevant theory and form the basis of students’ reflection and development as theatre artists or other audience communications.

THE2202 CREATIVE DEVELOPMENT (FBEA - UGRD)
Semester 2 (ONC)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: THE2011 or THE2012
This course introduces the theoretical and practical procedures employed by creative artists when developing a new theatrical work. Students are introduced to a heuristic exploration of the script and new work development. Students are then mentored through an exploration of their learning in generating theatrical material that may include scenes, scripts, lyrics, music, digital images, and spatial constructions.

THE2301 ACTING 2 (FBEA - UGRD)
Semester 2 (ONC)/Toowoomba (ONC)/Toowoomba
Pre-requisite: THE2011 and Students must be enrolled in one of the following Programs: BCRCA or BCAR
This course involves students in the rehearsal and performance of a range of Australian plays and screenplays. Material from the plays is performed for the live environment. Material from the screenplays is performed for the digital environment.

THE3011 PREPARING FOR THE ENTERTAINMENT INDUSTRY 1 (FBEA - UGRD)
Semester 1 (ONC)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: THE2031 or THE2032
Commensurate with individual career aspirations developed through study in previous courses, students enrolled in this course will either be assigned to performance-oriented project work employing digital technologies or to project work requiring the development and application of performance-oriented project work employing digital technologies or to project work requiring the development and application of digital technologies.

THE3012 PREPARING FOR THE ENTERTAINMENT INDUSTRY 2 (FBEA - UGRD)
Semester 2 (ONC)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: THE3011 and Students must be enrolled in one of the following Programs: BCAR or BCAR
Students enrolled in this course will be mentored by staff from their specific disciplines in developing business, entrepreneurial and strategic knowledge for effective and sustainable entry into their intended career or post-graduate pathway. Students may negotiate to complete industry entry-level work or complete an industry secondment as part of the work required to complete assessment requirements for this course. The culmination of this course requires students to compile a professional portfolio that effectively represents their work, capabilities and professional standards and qualifies as a re-source for their entry into professional or post-graduate practice.

THE3021 ACTING 3 (FBEA - UGRD)
Semester 1 (ONC)/Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: THE3021 and Students must be enrolled in one of the following Programs: BCRCA or BCAR
Students will rehearse and present: Shakespearian performance work(s) as a part of the annual Shakespeare Festival. This project may involve live performance, touring and video/digital recording work.

THE3023 ACTING 4 (FBEA - UGRD)
Semester 2 (ONC)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: THE3021 and Students must be enrolled in one of the following Programs: BCRCA or BCAR
This practice-led course engages students in rehearsing for public performance public performance play(s) chosen from the contemporary world repertoire. The plays will be presented as a part of the annual Shakespeare Festival. Performance outcomes will include touring to venues outside the Toowoomba region.

THE5000 WORKING ON SET (FBEA - PGRD)
Semester 1 (ONC)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: Students must be enrolled in the following Program: GCPD Co-Requisite: THE5001
This course will engage the actors in exercises that develop technical proficiency on set. The actors will be required to work primarily in the TV studio. By the end of the course the actors should be confident working in the complex technical aspects of the studio environment so that they can get on with the task of acting.

THE5001 ACTING FOR THE STORY (FBEA - PGRD)
Semester 1 (ONC)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: Students must be enrolled in the following Program: GCPD Co-Requisite: THE5001
This course introduces students to television scripts used in the industry. The actors will learn to perform scenes that deal primarily with building a realistic and believable performance on camera.

THE5002 PROFESSIONAL SCREEN-ACTING PRACTICE (FBEA - PGRD)
Semester 2 (ONC)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: THE5000 and THE5001 and Students must be enrolled in one of the following Programs: GCPD Co-Requisite: THE 5003.
This course integrates into a unified whole all the information and techniques learned during THE5000 and THE5001. The actors will be expected to tackle the dual responsibility of self-management as an individual artist and as a member of an ensemble working towards an overall performance in front of a camera. The scenes produced in this course will be available to the actors to use as one of their major screen "package" at the Toowoomba campus. Performance outcomes may include touring to venues outside the Toowoomba region.

THE8001 SHAKESPEAREAN NEGOTIATIONS (MASTERS) (FBEA - PGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: MAKA or BCAH or MSTA. Enrolment is not permitted in THE8001 if THE4001 has been previously completed.
The 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 recent and current scholarship and professional concerns in this field. Topics and theoretical perspectives may include (but are not limited to) the following: the 'Shakespeare industry', New Historicism and Cultural Materialism, performance theory and theatricality, gender studies and queer theory; accosticism; the 'new' performance practice, the early modern body-mind; medicine and disease; and the representation of Shakespeare; authorship, textuality and print culture; online and digital Shakespeare.

THE8002 THE BODY: REPRESENTATION AND IMPOSITION (MASTERS) (FBEA - PGRD)
Semester 2 (ONC)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: Students must be enrolled in one of the following Programs: MAKA or BCAH or MSTA. Enrolment is not permitted in THE8002 if THE4002 has been previously completed.
This course seeks to engage students in the application of theory to research and practice through an exploration of the body as a vehicle for complex and transformable expression. The body is a very often the locus of meaning for performance and the social, cultural and political framing of how the body may be represented, embodied, queried, transformed and/or manipulated are all explored in this course in order to engage students with their own performance practice. An awareness of the body as a key indicator of performance (and performance as indicator of the body rendered visible) is central to all discussions in this course.

THE8206 PRE-RENASSANCE DRAMA (FBEA - UGRD)
Semester 1 (ONC)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Drama and Theatre Studies) Band 1
Pre-requisite: THE5001 or THE 1001
This course provides students with the opportunity to study the texts and theatrical conventions of the classic theatre of ancient Greece and Rome.

TOU1003 TOURISM MANAGEMENT (FBEA - UGRD)
Semester 1 (ONC)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Tourism) Band 3
This course covers topics which include defining what tourism is and the tourism system. It then reviews the development of tourism and tourism destinations before examining on examining the tourist product and the tourist industry. Where would we be without marketing? The course then explores market segmentation and then discusses the economic, socio-cultural and environmental impacts which must be considered when planning for tourism and the sustainability of tourism.

TOU1004 DESTINATION AND EXPERIENCE MARKETING (FBEA - UGRD)
Semester 2 (ONC)/Toowoomba (ONC)/Toowoomba
Units 1.0 (Tourism) Band 3
In this course we introduce students to a variety of destination and experience marketing theories and concepts. It will empower them to apply specific marketing theories and concepts to a destination and/or experience. At the conclusion of this course students should be able to understand the complexities of Destination and Experience Marketing in relation to competitiveness, communication strategies, ethical and social understandings and crisis recovery marketing.

TOU2006 ECO-TOURISM (FBEA - UGRD)
Semester 1 (WEB)/Toowoomba
Units 1.0 (Tourism Management) Band 3
This course addresses the nature and growth of ecotourism as a specialist 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 impacts (including environmental education) and its role in ecotourism and visitor management. The course covers other key issues such as market segments, positive and negative impacts, quality control processes, ethics, and other matters that influence or are involved with ecotourism in clowning indigenous communities. An overview of global ecotourism and case studies of specific projects and case studies of specific projects is included to illustrate the main points throughout the course. Students will analyse a real tourism venture as part of this assessment.

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TOU2090 CULTURAL TOURISM (FBELA - UGRD)
Semester 3 (ONC)Springfield (WEB)Toowoomba
Units 1.0 (Tourism) Band 3

This course addresses the concepts relating to cultural assets and their contribution to tourism products. The course focuses on the impact of tourism through which the tourism industry can use cultural assets in ways that are sustainable and take into consideration the pressing values and needs of the local community, and the viability of the tourism product. Key issues that are addressed include the different types and characteristics of cultural assets, the major stakeholders and their values and interests, the relationship between cultural heritage management and tourism, the influence of authenticity, commodification, market segments, and sustainable management practices. Under issues relating to cultural tourism such as globalization, branding, impacts, ethics, and indigenous involvement and needs are also covered. This course takes a global perspective and considers the use of cultural assets in the context of different cultures and worldviews. Examples and case studies are provided from a number of countries and includes assets from the World Heritage list.

TOU2080 TOURISM PLANNING AND DEVELOPMENT (FBELA - UGRD)
Semester 1 (ONC)Springfield (WEB)Toowoomba
Units 1.0 (Tourism) Band 3

Enrolment is permitted in TOU2080 & TOU2070 or TOU3003 has previously completed.

This course provides a study of tourism planning and development in different geographic contexts such as the region, destination and site. The course has a strong focus on sustainability and adopts the sustainable approach to tourism planning and development, which integrates economic, environmental and sociocultural issues. It covers the supply of matching supply and demand, using resources sustainably, and recognizing the various stakeholders such as the tourist, the local community, the tourism industry and different levels of government, and considering their perspectives in planning.

TOU3010 EVENT MANAGEMENT (FBELA - UGRD)
Semester 2 (ONC)Springfield (WEB)Toowoomba
Units 1.0 (Tourism) Band 3

The course looks at the history of events and how it all started. The importance of conceptualizing, planning and staging the event are examined together with the operations and logistics required for it to be a financial and community success. Other topics studied are sponsorship and fundraising, ethics and protocol, risk management, legal issues and finally the staging of the event. This gives you the highlights of what will be covered in this very interesting course which will enable you to meet the practical challenges of this exciting industry. (Formerly TOU2010).

TPP7110 ORIENTATION TO TERTIARY STUDY (OAC - NONA)
Semester 1 (WEB)Toowoomba
Semester 2 (WEB)Toowoomba
Units 1.0 (Use of applications) Band 1

Students are provided with learning experiences that are designed to familiarize students with the components and expectations of university-level study, familiarization with the English-language communication at a level of proficiency that will then enable them to successfully undertake the study of course TPP7120. The study-management component of the course focuses on developing students’ understanding of the role of time management. The course is designed as an introduction to the nature of the humanities, the relationship between students’ understanding of the humanities and their everyday experiences. The course is designed to incorporate the practical and theoretical components of the course, including texts that can be carried out at home and the use of multimedia materials to enhance presentation of the course. The course is designed to increase student problem solving skills in the sciences.

TPP7100 PREPARATORY MATHEMATICS (OAC - NONA)
Semester 1 (WEB)Toowoomba
Semester 2 (WEB)Toowoomba
Units 1.0 (Mathematics) Band 2

The course focuses on the underlying concepts of mathematics, such as the development of logical reasoning and problem-solving skills. Students are provided with learning experiences that are designed to familiarize students with the English-language communication at a level of proficiency that will then enable them to successfully undertake the study of course TPP7122. The course is designed to incorporate the practical and theoretical components of the course, including texts that can be carried out at home and the use of multimedia materials to enhance presentation of the course. The course is designed to increase student problem solving skills in the sciences.

TPP7110 COMMUNICATING AT UNIVERSITY (OAC - NONA)
Semester 1 (ONC)Springfield (WEB)Toowoomba
Semester 2 (WEB)Toowoomba (ONC)Toowoomba
Semester 3 (WEB)Toowoomba
Units 1.0 (Written Communication) Band 1

Students are provided with learning experiences that are designed to familiarize students with the English-language communication at a level of proficiency that will then enable them to successfully undertake the study of course TPP7112. The course is designed to incorporate the practical and theoretical components of the course, including texts that can be carried out at home and the use of multimedia materials to enhance presentation of the course. The course is designed to increase student problem solving skills in the sciences.

TPP7111 COMMUNICATING AT UNIVERSITY (OAC - NONA)
Semester 1 (ONC)Springfield (WEB)Toowoomba
Semester 2 (WEB)Toowoomba (ONC)Toowoomba
Semester 3 (WEB)Toowoomba
Units 1.0 (Written Communication) Band 1

This course is designed to incorporate the practical and theoretical components of the course, including texts that can be carried out at home and the use of multimedia materials to enhance presentation of the course. The course is designed to increase student problem solving skills in the sciences.

TPP7112 COMMUNICATING AT UNIVERSITY (OAC - NONA)
Semester 1 (ONC)Springfield (WEB)Toowoomba
Semester 2 (WEB)Toowoomba (ONC)Toowoomba
Semester 3 (WEB)Toowoomba
Units 1.0 (Written Communication) Band 1

This course is designed to incorporate the practical and theoretical components of the course, including texts that can be carried out at home and the use of multimedia materials to enhance presentation of the course. The course is designed to increase student problem solving skills in the sciences.

TPP7113 COMMUNICATING AT UNIVERSITY (OAC - NONA)
Semester 1 (ONC)Springfield (WEB)Toowoomba
Semester 2 (WEB)Toowoomba (ONC)Toowoomba
Semester 3 (WEB)Toowoomba
Units 1.0 (Written Communication) Band 1

This course is designed to incorporate the practical and theoretical components of the course, including texts that can be carried out at home and the use of multimedia materials to enhance presentation of the course. The course is designed to increase student problem solving skills in the sciences.

TPP7114 COMMUNICATING AT UNIVERSITY (OAC - NONA)
Semester 1 (ONC)Springfield (WEB)Toowoomba
Semester 2 (WEB)Toowoomba (ONC)Toowoomba
Semester 3 (WEB)Toowoomba
Units 1.0 (Written Communication) Band 1

This course is designed to incorporate the practical and theoretical components of the course, including texts that can be carried out at home and the use of multimedia materials to enhance presentation of the course. The course is designed to increase student problem solving skills in the sciences.

TPP7155 GENERAL SCIENCE (OAC - NONA)
Semester 1 (WEB)Toowoomba
Semester 2 (WEB)Toowoomba
Semester 3 (WEB)Toowoomba
Units 1.0 (Natural and Physical Sciences) Band 2

The course focuses on the underlying concepts of science. Content coverage includes the scientific method, measurement in science, in the human body, the nature of matter, human and environment, and safety in science. The content will be presented in themes which will turn will draw upon students understanding of themselves and how they experience everyday activities. The course is designed to incorporate the practical and theoretical components of the course, including texts that can be carried out at home and the use of multimedia materials to enhance presentation of the course. The course is designed to increase student problem solving skills in the sciences.

TPP7160 PREPARATORY PHYSICS (OAC - NONA)
Semester 1 (WEB)Toowoomba
Semester 2 (WEB)Toowoomba
Units 1.0 (Physics) Band 2

The course focuses on the underlying concepts of physics covering such areas as measurement, motion, matter, electricity and magnetism. The self-paced structure of the course allows students to work through the material at a pace suitable to their needs.

TOU2080 STUDYING TO SUCCEED (OAC - NONA)
Semester 1 (ONC)Springfield (WEB)Toowoomba
Semester 2 (ONC)Springfield (WEB)Toowoomba
Units 2.0 (Written Communication) Band 1

Students progress through a course which requires them to manage their own learning and establish their own future goals through a process of self development. Career planning is a key component of the program. Effective study skills and attitudes will be developed and applied to areas of communication studies to prepare the student for entry into a tertiary undergraduate course. The language content is provided in a broad context to best enable students to continue in the career of their choice.

TOU2090 DIGITAL LITERACY (OAC - NONA)
Semester 2 (WEB)Toowoomba
Semester 3 (WEB)Toowoomba
Units 1.0 (Mixed Field Programmes not else) Band 1

This course provides an introduction to digital literacy, but caters for students with a diverse range of skills and knowledge, in that learning tasks are primarily open in nature. The main aim of the course is to equip students with the requisite skills, knowledge and confidence to interact successfully with the USQ online environment. An addition aim is to equip students with the skills and confidence needed to enter into their digital literacy as it might apply in their later work environment. Accordingly, requisite skills and knowledge are developed as students investigate digital literacy in relation to their own vocational interests. The curriculum design in the course is based on intrinsic and extrinsic theoretical frameworks, in that students are expected to consider digital literacy in a vocational that is of personal relevance.

TOU2090 INTRODUCTION TO PSYCHOLOGY AND COUNSELLING (OAC - NONA)
Semester 1 (WEB)Toowoomba
Semester 2 (WEB)Toowoomba
Semester 3 (WEB)Toowoomba
Units 1.0 (Mixed Field Programmes not else) Band 1

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 psychology careers, the differences that exist between the two, some of the theories that are used within the fields and how and they are applied in context. The course will draw on exam scenarios and case studies that outline the application of theory. It will conclude with the student applying self-reflection to their own circumstances with the application of an appropriate theory of psychology and counselling.

TOU2090 PREPARATORY MATHEMATICS (OAC - NONA)
Semester 1 (WEB)Toowoomba (ONC)Toowoomba
Semester 2 (ONC)Springfield (WEB)Toowoomba
Semester 3 (WEB)Toowoomba
Units 1.0 (Mathematics) 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 under graduate 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 of the course 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.

TOU2090 MATHEMATICS TERTIARY PREPARATION (OAC - NONA)
Semester 1 (WEB)Toowoomba
Semester 2 (WEB)Toowoomba
Semester 3 (WEB)Toowoomba
Units 1.0 (Mathematics) Band 2

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TPP7162 MATHEMATICS TERTIARY PREPARATION (OAC - NONA)
Semester 1 (Web/Toowoomba) (ONC/Toowoomba)
Semester 2 (ONC/Toowoomba) (WBE/Toowoomba)
Units 1.0 (Mathematical Sciences not else) Band 2
Pre-requisite: TPP7181

This course will cover the concepts and procedures used by local government in the development of their communities. The details of the development assessment process along with community engagement, communication, negotiation and ethical considerations associated with planning submissions will also be covered.

URP3201 SUSTAINABLE URBAN DESIGN AND DEVELOPMENT (FHSCE - UGRD)
Semester 2 (ONC/Toowoomba) (WBE/Toowoomba)
Units 1.0 (Surveying) Band 2
Pre-requisite: URP1001 or URP2001

Many professionals such as engineers, town planners and developers are engaged in the design and construction of residential development. Therefore, they require a sound knowledge and understanding of the design principles and practices that are used to create sustainable and safe environments. Small and large scale developments are also examined, along with the social and physical implications for the development of residential areas. The course also introduces students to the connection between theoretical frameworks and their application to real world situations.

VSA1002 INTRODUCTION TO CONTEMPORARY ART PRACTICE (FBELA - UGRD)
Semester 2 (Web/Toowoomba) (ONC/Toowoomba) (WBE/Toowoomba)
Units 1.0 (Fine Arts and Crafts) Band 1
Pre-requisite: URP3201

This course will cover the various processes and materials used within studio practice in contemporary art and craft practice. The students will use historical and contemporary art and craft practice as a means to help them consider their own work.

VSA1003 SOFT ARCHITECTURE (FBELA - UGRD)
Semester 2 (Web/Toowoomba) (ONC/Toowoomba) (WBE/Toowoomba)
Units 1.0 (Fine Arts and Crafts) Band 1
Pre-requisite: URP3201

This course will cover the various processes and materials used within studio practice in contemporary art and craft practice. The students will use historical and contemporary art and craft practice as a means to help them consider their own work.

VSA1004 INTRODUCTION TO STUDIO RESEARCH (FBELA - UGRD)
Semester 2 (Web/Toowoomba) (ONC/Toowoomba) (WBE/Toowoomba)
Units 1.0 (Visual Arts and Crafts) Band 1
Pre-requisite: URP3201

This course will cover the various processes and materials used within studio practice in contemporary art and craft practice. The students will use historical and contemporary art and craft practice as a means to help them consider their own work.

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own art practice. Students will gain a breadth of research and professional skills and understand the significance they play in developing current art discourse. The exploration of various artistic approaches to multidisciplinary work and the significance of social and cultural movements will be discussed through the use of imagery from the 20th Century (as an historical starting point) and from this the course will present students with insights on the role of the artist and the significance of the art industry within the 21st Century. Students will develop an ability to critically look at and evaluate the role of the artist and the significance of different approaches to professional curatorial practices.

VSA2000 PERSPECTIVES IN CONTEMPORARY ART (FBEA - UGRD)
Semester 1 (ONC)Toowoomba (WEB)Toowoomba
Units 1.0 (Fine Arts) Band 1

This course complements the workshops undertaken in Contemporary Art Practice One. Students develop a proposal, in consultation with supervisors and consult regularly with their studio lecturers in order to develop a comprehensive body of work. This course enables students to extend and contextualise their skills, concepts and research processes into a finalised project. Continued understand ing of WHS issues will be further developed. This project will be addressed concurrently throughout the semester with the students presenting for regular critiques of work in progress. This is the second of a sequence of project courses presenting students with opportunities for specialised work in deep studio practice and related research.

VSA2005 VISUAL ARTS PROJECT 3 (FBEA - UGRD)
Semester 2 (WEB)Toowoomba (ONC)Toowoomba
Units 1.0 (Visual Arts and Crafts) Band 1
Pre-requisite: VSA2005 and VSA2004

Where applicable this course complements the workshops undertaken in Contemporary Art Practice 3. Students develop a proposal, in consultation with supervisors and consult regularly with their studio lecturers in order to develop a comprehensive body of work. This course enables students to extend and contextualise their skills, concepts and research processes into a finalised project. Continued understanding of WHS issues will be further developed. This project will be addressed concurrently throughout the semester with the students presenting for regular critiques of work in progress. This is the second of a sequence of project courses presenting students with opportunities for specialised work in deep studio practice and related research.

VSA2006 GALLERY STUDIES 1 (FBEA - UGRD)
Semester 1 (WEB)Toowoomba
Units 1.0 (Visual Arts and Crafts) Band 1

In this course students will explore the foundational skills in which galleries and museums install and display art work; the variety of gallery, museum and temporary exhibition spaces. This course will provide a foundation where students will acquire knowledge and skills of the arts industry where they will be asked to re search, compare and contrast different gallery and museum exhibition spaces. In this first of four courses, students will understand the historical development of the Museum and the Gallery sector and the role the artist and curator plays within this. Students will be encouraged to visit relevant galleries and museums, research and attend presentations by professionals as a way of understanding the various approaches to gallery management.

VSA2007 GALLERY STUDIES 2 (FBEA - UGRD)
Semester 2 (WEB)Toowoomba
Units 1.0 (Visual Arts and Crafts) Band 1

In Gallery Studies 2 students will explore various Art Run Initiatives (ARIs) and which will give them knowledge of the historical and contemporary ARIs that are occurring regionally, nationally and internationally. In this second of four gallery studies courses, students will be introduced to curatorial models that artists use in relation to the gallery spaces they operate. On completion of this course students will be able to define what an ARI is and acquire knowledge and skills about the various curatorial associated with such gallery spaces. Students will be encouraged to visit relevant ARI spaces, attend presentations by professionals as a way of understanding the various approaches to gallery management within artist- run initiatives.

VSA3002 GALLERY STUDIES 3 (FBEA - UGRD)
Semester 1 (WEB)Toowoomba
Units 1.0 (Visual Arts and Crafts) Band 1
Pre-requisite: VSA2006 and VSA2007

In this course students will explore the role of the professional curator; this will include philosophical, ethical and contextual issues that are inherent to the role. Students will undertake research that will develop an advanced understanding of various gallery and museum curatorial practices. Within this course students will be asked to undertake an internship with a recognised gallery or museum; a consultation with the course lecturer that will give students practical industry experience. The aim of this course is for students to broaden their understanding and research knowledge and take the initiative of their own career paths. Students will gain a breadth of research and professional skills.

VSA3003 GALLERY STUDIES 4 (FBEA - UGRD)
Semester 2 (WEB)Toowoomba
Units 1.0 (Visual Arts and Crafts) Band 1
Pre-requisite: VSA2000 and VSA2007

In Gallery Studies 4 students will explore the role of a self-directed or independent curator; this will include the role of ethics in regards professional conduct as well as the conceptual, cultural and community aspects of these professional outcomes. Students will be expected to show a high degree of self-motivation in the research and project undertaken. This is the fourth of four courses, in which students will fully develop and realise a complex project and resolve the project in a professional manner.
This course will enable the student to identify their program objectives and will focus on the development of a Learning Plan, based on their Learning Portfolio, which will outline the complementary studies and workplace-based project(s) to be taken in order to fulfill these objectives.

WIN1101 GRAPE AND WINE PRODUCTION (FHESC - UGRD)
Semester 1 (WEB/Toowoomba)
Units 1.0 (Food Science and Biotechnology) Band 2
Pre-requisite: WIN1101
This course provides an introduction to the history of grape growing and winemaking, trends in wine making and consumption, the structure and growth of the grapevine, grapevine propagation, diseases and pests, determination of grape ripeness and harvest, production of red and white table wines, sparkling wines and fortified wines, and understanding of wine types and styles.

WIN220 VITICULTURAL AND WINEMAKING PRACTICE (FHESC - UGRD)
Semester 1 (EXT/Toowoomba)
Units 1.0 (Food Science and Biotechnology) Band 2
Pre-requisite: WIN1101
This course mainly comprises a compulsory, 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, sensory and laboratory facilities and field trips to local commercial operations. The activities to be undertaken include determining optimum time for harvest through yield estimation, visual assessment and grape berry compositional testing, late season vineyard management, and chemical and sensory analysis of grape, grape harvesting, processing (crushing, pressing, stabilisation, clarification, enzyme treatments, acidification), and monitoring and monitoring of primary fermentation of red and white 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 contains a mandatory residential school.

WIN2215 WINE BIOCHEMISTRY AND MICROBIOLOGY (FHESC - UGRD)
Semester 2 (WEB/Toowoomba)
Units 1.0 (Food Science and Biotechnology) Band 2
Pre-requisite: WIN1101
This course provides students with an in depth understanding of the processes involved in wine production and the potential impacts of wine consumption. This course includes a workshop and field-based activities, and focuses on the development of appreciation of variety, region and vineyard and winery characteristics of red and white table wines and fortified wines. This course includes the diversity of microorganisms, microbial cell structure and function, metabolism, nutrition, growth and control of microorganisms, an introduction to bacteria, viruses, fungi and protists and factors affecting their interactions with grapes, an introduction to the types and roles of microorganisms found in wines, roles of yeasts and bacteria in wine making and spoilage reactions, and control of micro-organisms in wine making.

WIN2220 WINE PRODUCTION (FHESC - UGRD)
Semester 2 (WEB/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 juice and wine, sulphite dosage in winemaking, oxidation and its management in grapes, juice and wine, chemistry of wine phenolic compounds and their interaction with wine components, and wine 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 processes of grape harvesting, crushing, pressing, stabilisation, clarification, enzyme treatments, acidification, and monitoring and monitoring of primary fermentation of red and white 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 contains a mandatory residential school.

WIN3310 WINE SENSORY ANALYSIS (FHESC - UGRD)
Semester 3 (WEB/Toowoomba)
Units 1.0 (Food Science and Biotechnology) Band 2
Pre-requisite: WIN2220
This course will clearly outline a cohesive, relevant learning pathway. This course ensures that students enrolled in the Master of Professional Studies program understand its fundamental theoretical underpinnings and the principles adopted in the USQ approach to enhancing professional practice based on work-based learning. It also prepares and equips students with the necessary knowledge and skills to ensure that full progression through the program is seamless and sufficiently self-directed. By completing the course, students will: (i) be introduced to the theoretical body of knowledge that supports professional development within the context of work-based learning, (ii) develop their critical thinking and reflective practice skills, (iii) develop their understanding of research philosophy, research methods and related research methodologies applicable to work-based research of the student's chosen discipline and the associated activities are required to achieve these, and (iv) develop their workplace-based research projects based on the student's chosen discipline and the associated activities and applications. By completing the course, students will understand the theoretical, professional and academic standards associated with the Master of Professional Studies program and the levels of support/guidance that can be provided. Students will also have completed work associated with enhancing their reflective practice. The course outcomes will also include enhancing their reflective practice. The course outcomes will also include the agreed professional, academic and organisational development outcomes associated with their learning and research project plans.

WRP8000 FUNDAMENTALS OF PROFESSIONAL STUDIES (FBELA - PGRD)
Semester 1 (WEB/Toowoomba)
Units 2.0 (Education not elsewhere classified) Band 1
This course ensures that students enrolled in the Master of Profes sional Studies program understand its fundamental theoretical underpinnings and the principles adopted in the USQ approach to enhancing professional practice based on work-based learning. It also prepares and equips students with the necessary knowledge and skills to ensure that full progression through the program is seamless and sufficiently self-directed. By completing the course, students will: (i) be introduced to the theoretical body of knowledge that supports professional development within the context of work-based learning, (ii) develop their critical thinking and reflective practice skills, (iii) develop their understanding of research philosophy, research methods and related research methodologies applicable to work-based research of the student's chosen discipline and the associated activities are required to achieve these, and (iv) develop their research project plans. This course ensures that students enrolled in the Master of Professional Studies program understand its fundamental theoretical underpinnings and the principles adopted in the USQ approach to enhancing professional practice based on work-based learning. It also prepares and equips students with the necessary knowledge and skills to ensure that full progression through the program is seamless and sufficiently self-directed. By completing the course, students will: (i) be introduced to the theoretical body of knowledge that supports professional development within the context of work-based learning, (ii) develop their critical thinking and reflective practice skills, (iii) develop their understanding of research philosophy, research methods and related research methodologies applicable to work-based research of the student's chosen discipline and the associated activities are required to achieve these, and (iv) develop their research project plans. This course ensures that students enrolled in the Master of Professional Studies program understand its fundamental theoretical underpinnings and the principles adopted in the USQ approach to enhancing professional practice based on work-based learning. It also prepares and equips students with the necessary knowledge and skills to ensure that full progression through the program is seamless and sufficiently self-directed. By completing the course, students will: (i) be introduced to the theoretical body of knowledge that supports professional development within the context of work-based learning, (ii) develop their critical thinking and reflective practice skills, (iii) develop their understanding of research philosophy, research methods and related research methodologies applicable to work-based research of the student's chosen discipline and the associated activities are required to achieve these, and (iv) develop their research project plans. This course ensures that students enrolled in the Master of Professional Studies program understand its fundamental theoretical underpinnings and the principles adopted in the USQ approach to enhancing professional practice based on work-based learning. It also prepares and equips students with the necessary knowledge and skills to ensure that full progression through the program is seamless and sufficiently self-directed. By completing the course, students will: (i) be introduced to the theoretical body of knowledge that supports professional development within the context of work-based learning, (ii) develop their critical thinking and reflective practice skills, (iii) develop their understanding of research philosophy, research methods and related research methodologies applicable to work-based research of the student's chosen discipline and the associated activities are required to achieve these, and (iv) develop their research project plans.

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93
The student will work and study at the same time as determined by a pre-agreed and assessed work-based project proposal that articulates the expected personal, professional, academic and organisational contributions that should be achieved upon the conclusion of the project. With the guidance and support of a supervisor(s), the student will study appropriate literature and may elect to study other post-graduate courses to gain the necessary theoretical knowledge and capacity to support their study. This course is required to ensure good progress is made in implementing the student's work-based research project. The insights that the student will have as a result will not only enhance their experience and expertise but will provide greater rigour in support of their findings and contributions to practice. The student will, where necessary, adapt the methodology of their investigation as the circumstances of a changing workplace environment may dictate. The flexibility of adjusting the project accordingly is acknowledged as important in collecting appropriate data supporting the evidence-based outcomes to their study. The course will be a pass/fail course.

WRP011 WORK-BASED RESEARCH PROJECT A (FBEA - PGRD)
Semester 1 (WEB)Toowoomba
Semester 2 (WEB)Toowoomba
Semester 3 (WEB)Toowoomba
Units 2.0 (Education not elsewhere class) Band 1

The student will work and study at the same time as determined by a pre-agreed and assessed work-based project proposal that articulates the expected personal, professional, academic and organisational contributions that should be achieved upon the conclusion of the project. With the guidance and support of a supervisor(s), the student will study appropriate literature, and may elect to study other post-graduate courses to gain the necessary theoretical knowledge and capacity to support their study. This course is required to ensure good progress is made in implementing the student's work-based research project. The insights that the student will have as a result will not only enhance their experience and expertise but will provide greater rigour in support of their findings and contributions to practice. The student will, where necessary, adapt the methodology of their investigation as the circumstances of a changing workplace environment may dictate. The flexibility of adjusting the project accordingly is acknowledged as important in collecting appropriate data supporting the evidence-based outcomes to their study. The course will be a pass/fail course.

WRP020 WORK-BASED RESEARCH: PUBLISHABLE PAPER (FBEA - PGRD)
Semester 1 (WEB)Toowoomba
Semester 2 (WEB)Toowoomba
Semester 3 (WEB)Toowoomba
Units 2.0 (Education not elsewhere class) Band 1

Students may elect to formulate and submit for blind review, a publication representing their work-based study’s (or part thereof) contribution to practice and/or relevant theory as appropriate. The article is assessed following standard academic blind peer-review processes. Peer reviewers will include independent academic and/or practising professional experts who will assess whether the work is publishable and meets the requisite ethical, creative, analytical and communications skills associated with the Masters level qualification. The peer review process will be selected from proposed academic and/or professional fields relevant to the practical professional of the student. This will accommodate disciplinary and contextual differences and the diversity of professional/academic discourse. Students will be advised and guided in the formation of their work by academic supervisor(s) associated with their work and the Professional Studies programs. They will be encouraged to recognise the value of disseminating new knowledge in what is increasingly becoming a complex and diverse publishing environment. The course will illustrate through supervision and a peer-review process the hallmarks of high impact, objective and academically sound publishing standards. The insights that the student will gain as a result will not only enhance their experiences and expertise and through localising their disciplined enquiry in relevant theory and practice literature but will provide greater rigour in support of their findings and contributions to practice. The course will be a pass/fail course based on the peer-review process outcome i.e. the work produced is publishable.

WRP001 FUNDAMENTALS OF PROFESSIONAL STUDIES A (FBEA - RSCH)
Semester 1 (WEB)Toowoomba
Semester 2 (WEB)Toowoomba
Semester 3 (WEB)Toowoomba
Units 2.0 (Education not elsewhere class) Band 1

Pre-requisite: Students must be enrolled in the Doctor of Professional Studies program (DPRS). This course ensures that students enrolled in the Doctor of Professional Studies program gain a critical understanding of its theoretical underpinnings and those within their area of practice. It ensures that the principles adopted in the USQ approach to enhancing professional practice and ensuring that appropriate ethical considerations associated with work-based research and ensuring that appropriate ethical guidelines are applied in their research, and vi) fully develop their work-based research project(s) based on sound project management principles and applications. By completing the course students will gain the capacity to ensure that the research paradigms, theoretical foundations and work-based project designs are appropriate and deliverable.

WRP9002 WORK-BASED RESEARCH PROJECT (FBEA - RSCH)
Semester 1 (WEB)Toowoomba
Semester 2 (WEB)Toowoomba
Semester 3 (WEB)Toowoomba
Units 2.0 (Education not elsewhere class) Band 1

Pre-requisite: Students must be enrolled in the Doctor of Professional Studies program (DPRS). This course ensures that students enrolled in the Doctor of Professional Studies program gain a critical understanding of its theoretical underpinnings and those within their area of practice. It ensures that the principles adopted in the USQ approach to enhancing professional practice and ensuring that appropriate ethical considerations associated with work-based research and ensuring that appropriate ethical guidelines are applied in their research, and vi) fully develop their work-based research project(s) based on sound project management principles and applications. By completing the course students will gain the capacity to ensure that the research paradigms, theoretical foundations and work-based project designs are appropriate and deliverable.

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

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