Graduate Diploma in Occupational Health and Safety (PU65)

Year offered: 2010
Admissions: Yes
CRICOS code: 061160A
Course duration (full-time): 2 semesters
Course duration (part-time): 4 semesters
Course duration (external): 4 semesters
Domestic fees (indicative): 2010: Full fee tuition $7,250 (indicative) per semester
International Fees (indicative): 2010: $10,750 (indicative) per semester
Domestic Entry: February and July
International Entry: February and July
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Dr Thomas Tenkate
Discipline coordinator: Dr Margaret Cook
Campus: Kelvin Grove

Overview
The design of this course is multidisciplinary. It covers occupational health and safety topics that include ergonomics, occupational health, hygiene, law and safety technology.

Entry requirements
Applicants should have a degree or equivalent in an appropriate discipline from a recognised tertiary institution.

Applicants may be considered for special entry if they have experience and responsibility in occupational health and safety. Because the course is academically demanding and high standards of performance are expected, you would need either an extensive background in the discipline or other suitable tertiary qualifications.

Students with relevant postgraduate studies may apply for credit transfer or recognition of prior learning/experience within the rules of the University.

Course Structure
Students complete eight specified units. The course is available full-time and part-time. Internal and external modes are available (within Australia only).

Course Articulation
This course fully articulates into the Master of Health Science.

International Student Entry
International students may only enrol in full-time studies and may only study on-shore.

Further information
For more information about this course, please call the School of Public on phone +617 3138 5878 or email sph.studentcentre@qut.edu.au

Course structure

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<th>Full-time Course Structure</th>
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<tr>
<td>Year 1, Semester 1</td>
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<tr>
<td>PUN001 Contemporary Risk Management</td>
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<tr>
<td>PUN301 Occupational Health and Safety Law and Management</td>
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<td>PUN008 Risk Assessment</td>
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<td>PUN106 Population Health</td>
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<td>Year 1, Semester 2</td>
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<td>PUN500 Safety Management</td>
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<td>PUP415 Occupational Health</td>
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<td>PUP116 Ergonomics</td>
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<td>PUP250 Occupational Hygiene</td>
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<th>Part-time Course Structure</th>
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<td>Year 1, Semester 1</td>
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<tr>
<td>PUN001 Contemporary Risk Management</td>
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<td>Year 2, Semester 1</td>
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Health Unit prerequisites/corequisites

For information on prereqs & coreqs visit: www.hlth.qut.edu.au/study/forcurrentstudents/
Potential Careers:
Government Officer, Manager, Occupational Health and Safety Officer, Policy Officer.

UNIT SYNOPSES

PUN001 CONTEMPORARY RISK MANAGEMENT
This unit provides an introduction to the risk management process as outlined in AS/NZS 4360 risk management. The unit concentrates on the context of risk management and introduces the student to the concepts that will be explored further in the units PUN008, PUN009 and EFN418. The structure of the organisation, its environment and the potential loss exposures are examined in some detail.
Credit points: 12    Contact hours: 3 per week    Campus: Kelvin Grove and External    Teaching period: 2010 SEM-1

PUN008 RISK ASSESSMENT
This unit provides the tools necessary to identify and assess risks. Qualitative, semi-quantitative and quantitative methods of risk analysis are investigated in the context of the major perils likely to be considered by an organisation. Various risk analysis techniques including HAZOP, FMEA, hazard indices, fault trees, event trees, reliability analysis, statistical analysis, and probability are discussed.
Prerequisites: PUN001    Credit points: 12    Contact hours: 3 per week    Campus: Kelvin Grove and External    Teaching period: 2010 SEM-1

PUN106 POPULATION HEALTH
This unit addresses some of the significant issues of population health including the complex relationship between health and social, economic, political and lifestyle factors and social disadvantage and health. It examines contemporary concepts of health and illness also draws on international examples. Potential health issues facing Australia and the world, such as the aging of the population, the impact of genetic technology on health and the health of specific sub-populations are also examined.
Anti-requisites: PUP010    Credit points: 12    Contact hours: 3    Campus: External    Teaching period: 2010 SEM-1

PUN301 OCCUPATIONAL HEALTH AND SAFETY LAW AND MANAGEMENT
This unit introduces students to the history of occupational health and safety and the impact on occupational health and safety practice of the law, and industrial relations. The theory and practice of occupational health and safety management is discussed.
Credit points: 12    Contact hours: 3 per week    Campus: Kelvin Grove and External    Teaching period: 2010 SEM-1

PUN500 SAFETY MANAGEMENT
In this unit, students learn about the nature of materials with regards to material failure, fire and explosions. Students are introduced to the concept of the hierarchy of controls and learn about the various safety systems used to control physical, chemical and biological hazards. Students are also introduced to specific legislative requirements that regulate the use of such substances, the configuration of appropriate safety systems, and the storage, handling and transport of hazardous materials. Students develop skills in accident investigation.
Credit points: 12    Contact hours: 3    Campus: Kelvin Grove and External    Teaching period: 2010 SEM-2

PUP116 ERGONOMICS
This unit explores the relationship between the worker, the work environment and the work space. Occupational ill health and injury arise from a lack of fit between the capabilities of workers and the design of the working environment, the work processes and the physical and mental demands of the task. Insight into ergonomics can assist practitioners to enhance the workers safety and comfort, improve work efficiency and performance, and optimise work performance. Topics include basic anatomy and physiology of body systems, occupational biomechanics and psychology.
Prerequisites: PUN301    Credit points: 12    Contact hours: 3 per week    Campus: Kelvin Grove and External    Teaching period: 2010 SEM-2

PUP250 OCCUPATIONAL HYGIENE
Occupational and environmental monitoring is described as the recognition, evaluation and control of hazards in the workplace. Workplaces contain numerous substances that are potentially hazardous to the health of the workforce, the other occupants and the public. Occupational and environmental monitoring spans a number of disciplines including toxicology, engineering and statistics. Students need to develop strong investigative and analytical abilities and professional judgment. Students also develop skills in evaluating the extent of workplace hazards. A preventative approach to dealing with occupational health problems is emphasised based on an understanding of the control hierarchy and the use of exposure standards.
Credit points: 12    Contact hours: 3 per week    Campus: Kelvin Grove and External    Teaching period: 2010 SEM-2

PUP415 OCCUPATIONAL HEALTH
This unit explores chemical hazards in the working environment, epidemiological principles and practice, and identification of special risk groups in the workforce. Topics include the following: the pathological bases of disease in humans; chronic occupational diseases; occupational skin conditions; respiratory diseases; biological hazards in the
work environment (bacteria, parasites, viruses, rickettsia and fungi); chemical and physical stresses and their physiological responses; physiological monitoring principles and practice; special risk groups; and epidemiological principles and practice.

Credit points: 12    Contact hours: 3    Campus: Kelvin Grove and External    Teaching period: 2010 SEM-2