# Graduate Diploma in Occupational Health and Safety (PU65)

**Year offered:** 2011  
**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):** 2011: Full fee tuition $7,375 (indicative) per semester  
**International Fees (indicative):** 2011: $11,125 (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:** Enquiries to sph.studentcentre@qut.edu.au or phone 07 3138 5878  
**Campus:** Kelvin Grove and External

## 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.

## Limits on grades of 3
A new policy concerning grades of 3 came into effect from 1 January 2009 (QUT MOPP C/5.2). With effect from this date grades of 3 are no longer considered a conceded or low pass but are classified as a fail grade. Any grades of 3 awarded prior to 1 January 2009 retain the conceded pass status and will be counted for graduation purposes up to the maximum number of grades of 3 permitted for your course. Grades of 3 incurred in units that commence after 1 January 2009 will not count towards your degree. Further information is available on the Student Services website.

## Potential Careers:
Government Officer, Manager, Occupational Health and Safety Officer, Policy Officer.

## UNIT SYNOPSES

### Full-time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
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<tbody>
<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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<tr>
<td>PUN008 Risk Assessment</td>
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<tr>
<td>HLN710 Fundamentals of Epidemiology and Research Design</td>
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<td>PUP415 Occupational Health</td>
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<tr>
<td>PUP116 Ergonomics</td>
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<td>PUP250 Occupational Hygiene</td>
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## Further information
For more information about this course, please call the School of Public on phone +61 7 3138 5878 or email sph.studentcentre@qut.edu.au
HLN710 FUNDAMENTALS OF EPIDEMIOLOGY AND RESEARCH DESIGN
This unit introduces you to the fundamentals of epidemiology and quantitative research design. It addresses the collection and interpretation of epidemiological data, introduces measures of disease occurrence and association, and contemporary issues of major importance in health. It provides you with essential skills for logical, scientific assessment of the health and medical literature. There will be a strong emphasis on applying concepts through critical reading of the literature and the development of a comprehensive research proposal as the main practical exercise of the unit.

Antirequisites: HLN705, PUN743  
Campus: Kelvin Grove and External  
Credit points: 12  
Teaching period: 2011 SEM-1 and 2011 SEM-2

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 other units. 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: 2011 SEM-1

PUN008 RISK ASSESSMENT
This unit provides the skills 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: 2011 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: 2011 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: 2011 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.

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