Master of Public Health (PU85)

**Year offered:** 2011  
**Admissions:** Yes  
**CRICOS code:** 009029C  
**Course duration (full-time):** 3 semesters  
**Course duration (part-time):** 6 semesters  
**Course duration (external):** 3 semesters (full-time) or 6 semesters (part-time)  
**Domestic Fees (indicative):** 2011: Full fee tuition $7,750 (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:** 144  
**Course coordinator:** Enquiries to sph.studentcentre@qut.edu.au or phone 07 3138 5878  
**Campus:** Kelvin Grove and External

**Study areas**
Specialised streams of study are offered in the areas of:  
- Emergency and Disaster Management *  
- Epidemiology and Research Methods #  
- Health Promotion  
- Health Services Management  
- Occupational and Environmental Health Sciences  
- Public Health Nutrition

There is also the option of not completing a major and choosing units from more than one stream.

* The units in this study area are currently only offered in second semester  
# Some units in this study area are only available in internal mode

**Course Structure**
Students elect between three options:

1. The first option is for full coursework, with no project or thesis component:  
   - four core units (Part A),  
   - one research methods unit (HLN405, HLN705 or HLN706) and  
   - seven advanced elective units (Part B)

2. Option two is to undertake coursework with a project component:  
   - four core units (Part A)  
   - one research methods unit (HLN405, HLN705 or HLN706) and  
   - five advanced elective units (Part B) and  
   - one project unit (HLN703).

3. Option three is coursework with a thesis component:  
   - four core units (Part A)  
   - four advanced elective units (Part B)  
   - dissertation component of one semester or two semesters part-time (HLN700 or HLN705-1 and HLN705-2)

Elective units (from Part B) will normally be selected according to choice of a major, or more than one stream of study where the no major option is chosen.

**Course Articulation**
The Graduate Diploma in Public Health fully articulates into the Master of Public Health.

**International Student Entry**
International students may only enrol in full-time studies.

**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.

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

**Course structure - Full-time**

<table>
<thead>
<tr>
<th>PART A - Semester 1 - Core Units (Option 1, 2, 3)</th>
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<tbody>
<tr>
<td>PUN105 Health Statistics</td>
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<tr>
<td>PUN640 Health Care Delivery and Reform</td>
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<td>PUN106 Population Health</td>
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<td>HLN710 Fundamentals of Epidemiology and Research Design</td>
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<tr>
<th>PART B - Semester 2 - Advanced Elective Units offered by QUT (Option 1, 2, 3)</th>
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<tr>
<td>4 electives from same major</td>
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or
4 electives across majors

PART C - Semester 3 - Coursework (Option 1 only)
Students select further electives from advanced elective list, one of which must be HLN405 or HLN706
OR

PART C - Semester 3 - Project (Option 2 only)
HLN703 Project A
plus electives from advanced elective list, one of which must be HLN405 or HLN706
OR

PART C - Semester 3 - Dissertation (Option 3 only)
HLN700 Thesis

Course structure - Part-time

PART A - Semester 1 - Core Units
HLN710 Fundamentals of Epidemiology and Research Design
PUN105 Health Statistics

PART B - Semester 2 - Advanced Elective Units Offered By QUT (Option 1, 2, 3)
2 electives from same major
or
2 electives across majors

PART A - Semester 3 - Core Units
PUN106 Population Health
PUN640 Health Care Delivery and Reform

PART B - Semester 4 - Advanced Elective Units Offered By QUT (Option 1, 2, 3)
2 electives from same major
or
2 electives from across majors

PART C - Semester 5 & 6 - Coursework (Option 1 only)
Students select 4 further electives from advanced elective list.
OR

PART C - Semester 5 & 6 - Project (Option 2 only)
HLN703 Project A
AND
HLN405 or HLN706, plus one further elective
OR

PART C - Semester 5 & 6 - Dissertation (Option 3 only)
HLN750-1 Thesis
AND
HLN750-2 Thesis

Course structure - Advanced Elective Unit List

Emergency and Disaster Management
PUN451 Introduction To Health Disaster Management
PUN452 Health Disaster Planning and Preparedness
PUN453 Health Disaster Response and Recovery
PUN454 Health Leadership in Disaster Management

Epidemiology and Research Methods
HLN405 Qualitative Research
HLN706 Advanced Quantitative Research Methods
PUN103 Advanced Epidemiology
NSN424 Evidence Based Practice

Health Services Management and Policy Sciences
Students should complete any 4 of the following units
LWN164 Health Care Law and Ethics
PUN210 Fundamentals of Health Management
PUN211 Health Care Finance and Economics
PUN212 Understanding Health Information
PUN213 Introduction to Quality Management in Health
PUN214 Systems of Quality and Safety in Health Care
PUN219 Leadership of Quality and Safety in Health
PUN632 Leadership in Health Management
PUN688 International Health Policy and Management

Health Promotion
PUP032 Intervention Design and Theories of Change
PUP034 Advanced Studies and Practice in Health
Occupational and Environmental Health Science

Students should complete any 4 of the following units:

- PUN001 Contemporary Risk Management
- PUN008 Risk Assessment
- PUN301 Occupational Health and Safety Law and Management
- PUN363 Environmental Health Law
- PUN500 Safety Management
- PUN465 Environmental Protection
- PUN466 Communicable diseases
- PUN467 Public Health Risk Assessment
- PUN620 Concepts of Environmental Health
- PUP116 Ergonomics
- PUP250 Occupational Hygiene
- PUP415 Occupational Health

Public Health Nutrition

- PUN551 Advanced Public Health Nutrition
- PUN552 Population Nutrition and Physical Activity Assessment
- PUN553 Chronic Disease Prevention and Management
- PUN554 Food Policy and Sustainability

Potential Careers:
Community Health Officer, Government Officer, Health Promotion Officer, Public Health Officer.

UNIT SYNOPSISES

HLN405 QUALITATIVE RESEARCH
This unit addresses a range of qualitative methodologies and methods which represent alternative approaches to the application of the quantitative paradigm in health science research. The predominance of the natural sciences in nursing/health research has come into question in recent times and thus the unit introduces students to the origins of such challenges, to the knowledge bases of the alternative approaches to investigating the microsocial world of health/illness and to the relevant research methods. The unit comprises a series of lectures, seminar presentations and relevant readings.

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

HLN700 THESIS
The thesis provides an opportunity to formally extend and synthesise knowledge gained in earlier semesters of the program. Coursework conducted in the area of specialisation may be applied in a practical manner reflecting a student’s specific interest in health science. The work represents an independent and original piece of research completed under the guidance of a supervisor. The thesis may be a report on research that makes a contribution to knowledge, or a study in which students critically analyse and appraise existing knowledge and produce observations and conclusions of value to the field concerned.

Assumed knowledge: Completion of all coursework units is assumed knowledge.

Credit points: 48  Campus: Kelvin Grove and External  Teaching period: 2011 SEM-1, 2011 SEM-2 and 2011 SUM

HLN703 PROJECT A
An important aspect of postgraduate development is the opportunity to engage in research or project work in a specialist field of study in industry or as a component of consultancy work. Working in industry or a health-related agency, locally or internationally, can provide students with valuable work experience and develop skills and expertise that advances their profession or the particular industry involved. The research option enables students to work independently under the guidance of a supervisor. The research may be a report that makes a contribution to knowledge or a study in which the student critically analyses existing knowledge and produces observations and conclusions of value to the field concerned.

Credit points: 24  Campus: Kelvin Grove and External  Teaching period: 2011 SEM-1, 2011 SEM-2 and 2011 SUM

HLN706 ADVANCED QUANTITATIVE RESEARCH METHODS
The content of this unit builds on the basic statistics background assumed of students. A unifying theme is the concept of sources of variation in collected data, how proper design of study and measurement instruments minimises some sources of variation (error), how analytical techniques account for other sources, and finally the issue of introduced error that cannot be accounted for, but must be addressed in discussion of results. Analytical strategies for modelling health data are compared, and practical experience focuses on the analysis and interpretation of various data sets.

Prerequisites: PUN105  Credit points: 12  Contact hours: 4 per week  Campus: Kelvin Grove  Teaching period: 2011 SEM-2
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
Credit points: 12
Campus: Kelvin Grove and External
Teaching period: 2011 SEM-1 and 2011 SEM-2

HLN750 THESIS
Students undertake original research with the guidance of a supervisor. The thesis provides an opportunity for coursework conducted in the area of specialisation to be applied in a practical manner reflecting the student's specific interest in health science. HLN750-1 and HLN750-2 are the part-time version of HLN700.
Assumed knowledge: Completion of all coursework units is assumed knowledge.
Credit points: 24
Campus: Kelvin Grove and External
Teaching period: 2011 SEM-1, 2011 SEM-2 and 2011 SUM

HLN750 THESIS
Students undertake original research with the guidance of a supervisor. The thesis provides an opportunity for coursework conducted in the area of specialisation to be applied in a practical manner reflecting the student's specific interest in health science. HLN750-1 and HLN750-2 are the part-time version of HLN700.
Prerequisites: HLN750-1
Assumed knowledge: Completion of all coursework units is assumed knowledge.
Credit points: 24
Campus: Kelvin Grove and External
Teaching period: 2011 SEM-1, 2011 SEM-2 and 2011 SUM

LWN164 HEALTH CARE LAW AND ETHICS
The relationship between law and ethics in healthcare is important, but at times contested. This unit explores that relationship to lay the foundations of an understanding of law and ethics as they relate to healthcare.
Credit points: 12
Contact hours: 26hrs in total
Campus: Gardens Point
Teaching period: 2011 6TP2

NSN424 EVIDENCE BASED PRACTICE
On successful completion of this unit students will be able to critically appraise systematic reviews of evidence and design projects for the implementation of evidence into practice. Content includes: Evidence-based terminology, principles and processes; incorporating evidence into practice; comparing and contrasting current practice with the most current evidence; modifying policies and procedures to be consistent with the evidence; use of audit results to identify areas of practice that are consistent with the evidence and those needing revision; formulating strategies for promoting the uptake of evidence-based practice.
Credit points: 12
Campus: Kelvin Grove and External
Teaching period: 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

PUN103 ADVANCED EPIDEMIOLOGY
This unit's aim is the mastery of key principles and concepts of research design. There has been an increasing demand for evidence based health research, and an increasing trend towards research that considers complex biological, environmental and societal inter-relationships. Recent developments in epidemiology have contributed novel research designs and statistical methods to complement these needs. Throughout this unit, students are exposed to these more sophisticated designs and analytical methods. Such knowledge is mandatory for critical evaluation of the current research literature, for design of efficient research studies, and to inform appropriate interpretation of research results at a 'best practice' level.
Prerequisites: PUB326 or HLN710
Credit points: 12
Contact hours: 3
Campus: Kelvin Grove
Teaching period: 2011 SEM-2

PUN105 HEALTH STATISTICS
Beyond a common core of statistical concepts, each discipline area emphasises its own set of descriptive and...
inferential statistical methods and even terminology. The content of this unit emphasises both core and health specific statistical methods in the health sciences. Students are provided with substantial practical experience in the application and interpretation of the most common statistical methods to health data, and are also made aware of data management principles in preparation for analysis. There is a strong emphasis on applying concepts through critical reading and discussion of the literature and worked examples from a range of topic areas.

Credit points: 12  Contact hours: 3 per week  Campus: Kelvin Grove and External  Teaching period: 2011 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.

Antirequisites: PUP010, PUN251  Credit points: 12  Contact hours: 3  Campus: Kelvin Grove and External  Teaching period: 2011 SEM-1

PUN212 UNDERSTANDING HEALTH INFORMATION
This unit provides an introduction to the field of health information and its uses and applications in the health industry. It provides a context for the study of contemporary health information and data management practice. The use of information as a strategic, organisational and management resource is discussed, and a broad appreciation of health information and data management procedures and philosophy is provided. Demands on the users of health information occasioned by advances in information technology are highlighted.

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

PUN213 INTRODUCTION TO QUALITY MANAGEMENT IN HEALTH
The aim of the unit is to assist students to develop the necessary knowledge and skills to develop a quality management program, perform quality improvement activities, and expand outcomes into process improvements and organisational change. Methods of health care performance measurement are explored, and a clinical quality framework model is introduced. Issues relating to administrative and clinical data quality, safety and privacy in an increasingly electronic health care environment are also considered.

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

PUN214 SYSTEMS OF QUALITY AND SAFETY IN HEALTH CARE
This unit examines the application of quality and safety systems to ensure patient safety in health care environments. It covers quality certification and accreditation systems, their coverage and application to different health care settings, safety systems and models, performance management and case studies.

Prerequisites: PUN213 which can be undertaken concurrently  Credit points: 12  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

PUN363 ENVIRONMENTAL HEALTH LAW
The purpose of this unit is to develop students who have a detailed understanding of the legislation and legislative
frameworks and principles that form the foundation for environmental health practice. In particular, this unit will detail various legislative tools for the management of public health issues in different settings. The prosecution process and gathering of evidence will be discussed along with a detailed discussion on the environmental health practitioners role under the Public Health Act 2005, Environmental Protection Act 1994 and other related legislation. Major topics covered include: an introduction to law and government, public health law, planning and environmental law, local laws, investigation processes and procedures.

**Assumed knowledge:** PUN620 is assumed knowledge.

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

PUN451 INTRODUCTION TO HEALTH DISASTER MANAGEMENT
This unit develops your knowledge of the principles of major incidence response and your ability to manage such incidents. It covers the principles of major incident and disaster management; prevention, planning and preparation to the process of risk identification and management; operational frameworks for management of major incidents and disasters; and recovery arrangements.

**Credit points:** 12  
**Campus:** Kelvin Grove and External  
**Teaching period:** 2011 5TP6

PUN452 HEALTH DISASTER PLANNING AND PREPAREDNESS
This unit develops an understanding of the importance of health services preparation and planning and the knowledge and skills required to lead health services preparation and planning.

**Assumed knowledge:** PUN451 is assumed knowledge.

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

PUN453 HEALTH DISASTER RESPONSE AND RECOVERY
This unit develops students’ capability in identifying and evaluating issues that need to be addressed during response to, and recovery from, a major incident, and managing those issues.

**Assumed knowledge:** Concurrent enrolment in PUN451 and PUN452 is strongly recommended.

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

PUN454 HEALTH LEADERSHIP IN DISASTER MANAGEMENT
This unit develops students' capacity to manage a health service so that it is prepared and capable of managing a major incident. It is intended for those who are likely to be responsible for designing response arrangements, instructing others in those arrangements and for managing the health service strategically throughout a major incident.

**Assumed knowledge:** PUN451, PUN452 and PUN453 are assumed knowledge.

**Credit points:** 12  
**Campus:** Kelvin Grove and External  
**Teaching period:** 2011 5TP8

PUN465 ENVIRONMENTAL PROTECTION
This unit aims to give students a detailed understanding of the causes, controls measures and management strategies for environmental pollution and an understanding of environmental impacts on human health. A variety of topics on environmental management are covered including environmental management principles, environmental policy and legislation, integrated planning, waste management, contaminated land, air pollution, water pollution, and noise pollution.

**Prerequisites:** PUN620 and PUN363  
**Credit points:** 12  
**Campus:** Kelvin Grove and External  
**Teaching period:** 2011 SEM-2

PUN466 COMMUNICABLE DISEASES
This unit aims to provide a comprehensive overview of communicable diseases and to discuss current surveillance, control and prevention methods/strategies implemented by public health agencies. Topics in this unit include the following: communicable disease principles; physiology and epidemiology; outbreak investigation and management; immunisation; vector control; disease surveillance; and infection control.

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

PUN467 PUBLIC HEALTH RISK ASSESSMENT
The aim of this unit is to provide future public health professionals with the skills and knowledge necessary to effectively assess and manage risks associated with a variety of public health hazards. Topics covered in this unit include the following: the Australian standard risk management framework; environmental health risk assessment framework (issues identification, hazard identification, dose-response assessment, exposure assessment, risk characterisation); risk management strategies and approaches; fundamentals of environmental toxicology and its application in health risk assessment; health impact assessment; effective risk communication and community consultation approaches for public health risks; and case studies.
Credit points: 12    Campus: Kelvin Grove and External  
Teaching period: 2011 SEM-2

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    Campus: Kelvin Grove and External  
Teaching period: 2011 SEM-2

PUN551 ADVANCED PUBLIC HEALTH NUTRITION
This unit aims to broaden your understanding of and to critically analyse the application of community and public health nutrition within Australia and internationally across three frameworks. These frameworks are Program Planning incorporating assessment, implementation and evaluation; the Food Chain covering food production, supply and consumption; and the Life Cycle encompassing maternal and infant nutrition, child and adolescents, adults and ageing populations.

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

PUN552 POPULATION NUTRITION AND PHYSICAL ACTIVITY ASSESSMENT
This unit focuses on the methods and special features of assessing and monitoring nutrition and physical activity in individuals, groups and whole populations.

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

PUN553 CHRONIC DISEASE PREVENTION AND MANAGEMENT
This unit aims to broaden your understanding of the determinants and issues relating to many major chronic diseases and to critically examine and review the application of a number of currently recommended frameworks, strategies and approaches for their prevention and their management both internationally and nationally.

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

PUN554 FOOD POLICY AND SUSTAINABILITY
This unit aims to broaden your understanding of and to critically analyse the development and application of food policy at local, regional, state and global levels. Within the current context of environmental, economic and social vulnerability it will provide students with tools to use policy to impact on food safety, food security and nutritional health that are sustainable both within the short and long term.

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

PUN620 CONCEPTS OF ENVIRONMENTAL HEALTH
The aim of this unit is to produce students who have an in-depth understanding of the large range of contemporary environmental health hazards (including historical, current and predicted hazards) and the strategies to assess and manage these hazards in a sustainable manner. This unit consists of the following 4 modules: (1) Introduction to Environmental Health (provides an introduction to environmental health and environmental health management); (2) Ecosystems, Sustainability and Health; (3) Environmental Health Issues (eg. air pollution, water and sanitation, waste and contaminated land, communicable diseases and food safety, physical agents); and (4) Environmental Health Settings (including Indigenous environmental health, the built environment, and global and emerging environmental health issues).

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

PUN632 LEADERSHIP IN HEALTH MANAGEMENT
In this unit students develop and apply a researched, conceptual framework to understand management, leadership and change issues, particularly related to health care, consolidated using researching, logical argument, analysis and writing skills. The unit draws on contemporary research and practice.

Antirequisites: PUN610    Assumed knowledge: PUN106 or equivalent is assumed knowledge. Other requisites: PUN106 or equivalent is assumed knowledge

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

PUN640 HEALTH CARE DELIVERY AND REFORM
This unit introduces conceptual frameworks fundamental to the organisation of health systems with particular emphasis on Australian and international health systems. Issues covered include the operation, funding and evaluation of health systems, health reform and the drivers for change.

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

PUN688 INTERNATIONAL HEALTH POLICY AND MANAGEMENT
This unit provides students with an understanding of the impact of globalisation on health policy and management, including policy formation and the role of political influences. Students will have an opportunity to explore and understand specific examples of national and international policy in both
developed countries and countries in transition, particularly the in Asia-Pacific region.

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

**PUP032 INTERVENTION DESIGN AND THEORIES OF CHANGE**

This unit examines theories of change as they impact on health promotion and health education practice and the development and implementation of public health interventions. The unit addresses the strengths and weaknesses of change theory into practice and explores the nature of individual, group and organisational change strategies in public health and health promotion.

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

**PUP034 ADVANCED STUDIES AND PRACTICE IN HEALTH PROMOTION**

This advanced unit identifies the repertoire of practice skills that health promotion students need to address health problems. It integrates needs identification, systematic planning and evaluation models into practice. Internal students put this knowledge into practice through participation in a group based health promotion project. The process of developing and implementing a health promotion program develops an understanding of issues such as ethics, writing goals and objectives, resources and time management. External students conduct a needs assessment and use the data to write a health promotion program proposal.

**Prerequisites:** PUP032 and PUP038  
**Antirequisites:** PUN613 and PUP023  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Kelvin Grove and External  
**Teaching period:** 2011 SEM-2

**PUP037 HEALTH PROGRAM EVALUATION**

The aim of the unit is to provide students with skills and knowledge of health program evaluation, its place in public health and health sector contexts, the influences of evidence and contexts, both organisational and political in program evaluation and the application of program evaluation techniques. This unit complements health studies and deepens students' understanding of program evaluation in practice.

**Assumed knowledge:** Knowledge of the principles of health promotion planning is assumed.  
**Credit points:** 12  
**Campus:** Kelvin Grove and External  
**Teaching period:** 2011 SEM-2

**PUP038 CONTEMPORARY HEALTH PROMOTION**

The unit provides students with a critical understanding of the foundations of health promotion nationally and internationally, and its influence and evidence in improving population health outcomes through new conceptual and practice perspectives. This unit complements public health and other studies and provides a foundation for health professionals of the fundamental underpinnings of the discipline nationally and internationally.

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

**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