Bachelor of Health Science (Podiatry) (PU43)

Year offered: 2010
Admissions: Yes
CRICOS code: 022143C
Course duration (full-time): 4 years
Domestic fees (indicative): 2010: CSP $2,800 (indicative) per semester
International Fees (indicative): 2010: $11,000 (indicative) per semester
Domestic Entry: February
International Entry: February
QTAC code: 425222
Past rank cut-off: 86
Past OP cut-off: 8
Assumed knowledge: English (4, SA), Maths B (4, SA), and Chemistry (4, SA)
Preparatory studies: For information on acquiring assumed knowledge visit http://www.studentservices.qut.edu.au/apply/ug/info/knowledge.jsp
Total credit points: 384
Standard credit points per full-time semester: 48
Course coordinator: Ms Melinda Service
Discipline coordinator: Dr Lloyd Reed
Campus: Kelvin Grove

Why choose this course?
Podiatrists provide education, diagnosis, treatment and care for conditions affecting people’s feet and lower limbs. They work in a broad range of health care settings including private practice, community health centres, hospitals and nursing homes. Podiatrists work as part of the health care team and often consult with other health care practitioners when managing foot or foot-related problems.

Overview
Podiatrists diagnose and treat foot and lower limb problems. They use a range of clinical, surgical, and therapeutic techniques to treat patients and may work as a member of a medical team to deliver the best overall care for a patient with diabetes, rheumatoid arthritis, sports injuries, or walking difficulties.

Why choose this course?
If you possess good communication skills and a people-oriented personality and would like to help people with foot and lower limb disorders including sport-related conditions and those in special needs groups, then you may enjoy a career in podiatry.

QUT offers the only course in podiatry in Queensland. It features an on-campus clinic where students treat patients under the supervision of experienced clinical lecturers.

Podiatry staff have excellent, established health and medical industry links and the course has a strong reputation recognised throughout Australia and overseas.

This course will prepare you with an understanding of human anatomy, biomolecular science, pharmacology, dermatology, and clinical medicine and surgery. You will also learn how to integrate aspects of podiatric surgery, physical therapy, rehabilitation and counselling into the patient interaction.

Career Options
Employment opportunities for podiatry graduates are excellent. In recent years the number of positions available exceeded the number of graduates.

Podiatry graduates work in a broad range of health care setting including private practice, hospitals or community health centres.

Professional Recognition
Graduates are eligible for state registration throughout Australia and for registration in the United Kingdom, New Zealand and some European countries. Graduates may also become members of the Australian Podiatry Association (APA) and Sports Medicine Australia (SMA).

Electives
Students who commenced their course prior to 2010 are required to select three elective units that constitute a coherent body of study. Electives are available in exercise studies, public health and research.

Students who are commencing in 2010 have no electives in their course program.

OP Guarantee
The OP Guarantee does not apply to this course.

Honours
A degree with honours may be awarded to students who have recorded outstanding achievement in the four-year program.

Other course requirements
blue card As required by the Commission for Children and Young People and Child Guardian Act (2000), students must undergo a criminal history check and be issued with a Blue Card before commencing clinical practice/field experience/practicum in an organisation where they may work with children or young people. For more information, visit http://bluecard.qut.com.
**additional costs** There are additional costs associated with this course including a practicum shirt and podiatry equipment ($1000). Hepatitis B vaccination and the attainment of a current First Aid Certificate is required before beginning clinical placements.

**Deferment**

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

**Further Information**

For more information about this course, please call the School of Public Health Student Centre on +617 3138 3368 or email sph.studentcentre@qut.edu.au

### Full-Time Course Structure from 2010 onwards

#### Year 1, Semester 1
- **LSB131** Anatomy
- **SCB113** Chemistry for Health and Medical Science
- **PUB251** Contemporary Public Health
- **PYB007** Interpersonal Processes and Skills

#### Year 1, Semester 2
- **HMB272** Biomechanics
- **LSB235** Advanced Anatomy
- **LSB275** Biomolecular Science
- **LSB250** Human Physiology

#### Year 2, Semester 1
- **PUB362** Podiatric Clinical Gait Analysis
- **PUB538** Rehabilitation Medicine and Physical Therapies
- **PUB326** Epidemiology
- **PUB339** Podiatric Medicine 1

#### Year 2, Semester 2
- **LSB492** Microbiology
- **LSB384** Pharmacology For Health Professionals
- **LSB475** Disease Processes 4
- **PUB439** Podiatric Medicine 2

#### Year 3, Semester 1
- **LSB584** Pharmacotherapeutics for Podiatrists
- **PUB537** Radiographic Image Interpretation
- **PUB438** Medicine
- **PUB539** Podiatric Medicine 3

#### Year 3, Semester 2
- **PUB522** Podiatric Anaesthesiology
- **PUB662** Clinical Therapeutics for Podiatrists
- **PUB638** Orthopaedics and Sports Medicine
- **PUB639** Podiatric Medicine 4

#### Year 4, Semester 1
- **PUB738** Professional Placement 1
- **PUB740** Podiatric Medicine 5
- **PUB635** Podiatric Surgery

#### Year 4, Semester 2
- **PUB862** Transition to the Clinical Profession
- **PUB838** Professional Placement 2
- **PUB840** Podiatric Medicine 6

**Course Structure for Students who Commenced prior to 2010**

#### Year 1, Semester 1
- **LSB131** Anatomy
- **SCB113** Chemistry for Health and Medical Science
- **PUB251** Contemporary Public Health
- **PYB012** Psychology

#### Year 1, Semester 2
- **HMB272** Biomechanics
- **LSB235** Advanced Anatomy
- **LSB275** Biomolecular Science
- **LSB475** Disease Processes 4

#### Year 2, Semester 1
- **PUB362** Podiatric Clinical Gait Analysis
- **LSB451** Human Physiology
- **PUB326** Epidemiology
- **PUB339** Podiatric Medicine 1

#### Year 2, Semester 2
- **LSB492** Microbiology
- **LSB384** Pharmacology For Health Professionals
- **PUB439** Podiatric Medicine 2

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### Year 2, Semester 2

- **LSB492** Microbiology
- **PUB437** Pharmacology
- **PUB438** Medicine
- **PUB439** Podiatric Medicine 2

### Year 3, Semester 1

- **PUB522** Podiatric Anaesthesiology
- **PUB537** Radiographic Image Interpretation
- **PUB538** Rehabilitation Medicine and Physical Therapies
- **PUB539** Podiatric Medicine 3

### Year 3, Semester 2

- **PUB436** Evidence Based Practice
- **PUB635** Podiatric Surgery
- **PUB638** Orthopaedics and Sports Medicine
- **PUB639** Podiatric Medicine 4

### Year 4, Semester 1

- **PUB738** Professional Placement 1
- **PUB739** Podiatric Medicine 5
  - Elective

### Year 4, Semester 2

- **PUB862** Transition to the Clinical Profession
- **PUB838** Professional Placement 2
- **PUB839** Podiatric Medicine 6
  - Elective

### ELECTIVE LISTS

Students are able to select elective units from either the one area of study or from a variety of study areas as listed below. To select a unit outside the recommended list, approval of the Course Coordinator is required.

### Exercise Studies

- **HMB271** Foundations of Motor Control, Learning and Development
- **HMB273** Exercise Physiology 1
- **HMB361** Functional Anatomy 2
- **HMB362** Biomechanics 2
- **HMB371** Motor Control And Learning 2
- **HMB376** Motor Development in Children

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HMB384

Injury Prevention and Rehabilitation

### Public Health

- **PUB530** Health Education and Behaviour Change
- **PUB406** Health Promotion Practice
- **PUB545** Health Policy, Planning and Advocacy
- **PUB561** Statistical Methods in Health
- **PUB565** International Health
- **PUB611** Risk Management
- **PUB644** Health Promoting Schools

### Private Practice

- **MGB223** Entrepreneurship and Innovation

### Research

- **PUB461** Qualitative Inquiry in Public Health
- **PUB561** Statistical Methods in Health
- **PUB632** Independent Study

### Indigenous Health

- **PUB557** Health Needs of Indigenous Australians and Other Populations

### Health Unit prerequisites/corequisites

For information on prereqs & coreqs visit:


### Potential Careers:

Community Health Officer, Podiatrist, Rehabilitation Professionals.

### UNIT SYNOPSISES

**HMB271 FOUNDATIONS OF MOTOR CONTROL, LEARNING AND DEVELOPMENT**

This unit introduces students to the behavioural and neural bases of movement control through an examination of the central nervous and neuromuscular systems, hierarchical control, human information processing and dynamical systems. It covers elements of sensory mechanisms related to movement. Foundations of motor learning and adaptation are introduced, linking underlying mechanisms of learning with principles that may be applied in teaching, coaching and rehabilitation.

**Prerequisites:** LSB131 or LSB231 or LSB255  
**Credit points:** 12  
**Contact hours:** 4 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-1
HMB272 BIOMECHANICS
This unit includes the application of mechanics as they apply to Human Movement including: kinematics and dynamics of human body models; quantitative analysis; impact; work and power; fluid dynamics; material properties.
Prerequisites: LSB131 Credit points: 12 Contact hours: 4 per week Campus: Kelvin Grove Teaching period: 2010 SEM-2

HMB273 EXERCISE PHYSIOLOGY 1
This unit describes the immediate physiological responses to exercise, and the adaptations that occur with long-term exercise training. Exercise places a demand on the human body to provide sufficient energy to perform. The metabolic, hormonal, cardiovascular and pulmonary systems must adapt to meet the challenge of homeostasis. The active skeletal muscle must increase extraction and utilisation of oxygen and other fuels, the cardiovascular system must respond to improved gas and fuel transport, and lung function must change to facilitate increased respiratory gas exchange.
NOTE for Summer Semester students: Teaching will not commence until January 2010, but some unit information will be available from 16 November 2009.

Students wishing to enrol up to the beginning of January will need to email enquirieshms@qut.edu.au
Prerequisites: LSB231 or LSB142 Credit points: 12 Contact hours: 4 per week Campus: Kelvin Grove Teaching period: 2010 SUM-2, 2010 SEM-2 and 2010 SUM-1

HMB361 FUNCTIONAL ANATOMY 2
This is a project-based unit designed to enable students with a background in functional anatomy to develop greater expertise in one or a combination of the following areas: electromyography; orthopaedic biomechanics; kinesiology of sport and work; comparative functional anatomy; locomotion and posture; research techniques in functional anatomy.
Prerequisites: HMB274 Credit points: 12 Contact hours: 4 per week Campus: Kelvin Grove Teaching period: 2010 SEM-2

HMB362 BIOMECHANICS 2
This unit includes the following: measurement techniques within biomechanics; analysis of force systems; photographic, goniometric and electrophysiological analysis of movement; an introduction to viscoelasticity and biological materials; material properties; mass and inertial characteristics of the human body; applied aspects of biomechanics undertaken from a research project perspective.
Prerequisites: HMB272 and HMB274 Credit points: 12 Contact hours: 4 per week Campus: Kelvin Grove Teaching period: 2010 SEM-1

HMB371 MOTOR CONTROL AND LEARNING 2
This is an advanced unit which provides an in-depth view of theories and concepts in motor learning and control; how we control actions in both everyday and skilled behaviours, and how this capability is acquired. This course provides a multidisciplinary perspective, drawing on research from psychology, neuroscience, biomechanics, robotics, neural networks and medicine. The unit is organised around the theme of sensorimotor integration as related to posture and balance, locomotion and arm movements such as reaching, grasping and pointing.
Prerequisites: HMB271 Credit points: 12 Contact hours: 4 per week Campus: Kelvin Grove Teaching period: 2010 SEM-2

HMB376 MOTOR DEVELOPMENT IN CHILDREN
This unit includes the theoretical perspective of normal and abnormal motor development, incorporating maturational, descriptive and behavioural aspects and the underlying sensory, perceptual, neurological and cognitive changes which influence motor development in children. A theoretical understanding of developmental differences and development delay in children with intellectual, sensory or physical disability. Experience is obtained in developmental and adapted physical activity programs.
Credit points: 12 Contact hours: 4 per week Campus: Kelvin Grove Teaching period: 2010 SEM-1

HMB384 INJURY PREVENTION AND REHABILITATION
This unit considers the following: epidemiology and nature of common injuries that occur at home, school, work and during sporting activities; current philosophies of preventative measures and strategies for the treatment and rehabilitation of injuries; the role of health training, exercise and fitness in injury prevention, treatment and rehabilitation regimes; the pathology of injuries and repair processes highlighted by examining specific examples.
Prerequisites: HMB274 Credit points: 12 Contact hours: 3 per week Campus: Kelvin Grove Teaching period: 2010 SEM-2

LSB131 ANATOMY
This unit includes basic concepts of anatomy: an overview of the structure of cells, body tissues, and body systems; aspects of surface anatomy which are relevant to human movement; musculoskeletal systems. Antirequisites: LSB142, LSB182, LSB258 Equivalents: LSB145 Credit points: 12 Contact hours: 5 per week Campus: Gardens Point Teaching period: 2010 SEM-1

LSB235 ADVANCED ANATOMY
An in-depth study of the systematic and regional anatomy of the lower limb is undertaken with particular emphasis on osteology, arthrology, musculature, angiology and neurology.

**Prerequisites:** LSB131  
**Credit points:** 12  
**Contact hours:** 5 per week  
**Campus:** Gardens Point  
**Teaching period:** 2010 SEM-2

**LSB250 HUMAN PHYSIOLOGY**

This unit is designed to introduce optometry and medical science students to the principles of human physiology and to provide students with the necessary background for future studies in physiology, pharmacology, pathology and immunology. This unit addresses the physiology all of the major systems of the human body, including: cell transport, cell signaling, endocrine physiology, neurophysiology, muscle physiology, physiology of the cardiovascular, immune, respiratory, reproductive, digestive and lymphatic systems and physiology of the special senses and reflexes. This unit has a practical component, with one 2 hour laboratory session per week and 3 hours of lectures.

**Prerequisites:** SCB112 or LSB118 or LSB131  
**Antirequisites:** LSB231  
**Credit points:** 12  
**Contact hours:** 5 per week  
**Campus:** Gardens Point  
**Teaching period:** 2010 SEM-2

**LSB275 BIOMOLECULAR SCIENCE**

This unit addresses the structures and functions of proteins, carbohydrates, lipids and nucleic acids, basic enzymology, mechanisms of cellular energy production and the role of ATP. Study includes the metabolism of carbohydrates, lipids and amino acids and the fundamentals of protein biosynthesis and molecular biology.

**Antirequisites:** LQB381, LSB308, LSB325, LQB481, LSB408  
**Credit points:** 12  
**Contact hours:** 5 per week  
**Campus:** Gardens Point and Kelvin Grove  
**Teaching period:** 2010 SEM-2

**LSB384 PHARMACOLOGY FOR HEALTH PROFESSIONALS**

Health professionals such as Nurses, Paramedics, Podiatrists and Optometrists require a detailed understanding of the pharmacological properties of the medicines that are used daily in the treatment of patients under their care. This unit introduces students to the discipline of pharmacology by examining the interaction of drugs with biological systems. An understanding of pharmacology is fundamental to a student’s understanding of pharmaceutical products in terms of efficacy and safety and provides a rationale for their therapeutic use.

**Prerequisites:** (LSB111 or LSB282 or LSB382 (NS40)) or (LSB475 (OP45)) or (LSB235 and LSB250 (PU43 Podiatry))  
**Credit points:** 12  
**Contact hours:** 4 per week  
**Campus:** Kelvin Grove and Caboolture  
**Teaching period:** 2010 SEM-1 and 2010 SEM-2

**LSB451 HUMAN PHYSIOLOGY**

This unit involves a course of lectures and practicals, similar to LSB250.

**Antirequisites:** LSB231  
**Credit points:** 12  
**Contact hours:** 4 per week  
**Campus:** Gardens Point  
**Teaching period:** 2010 SEM-1

**LSB475 DISEASE PROCESSES 4**

This unit includes the principles of the study of disease dealing with the causes and nature of circulation disorders, degenerative processes, metabolic and nutritional disorders, disturbances of development and growth, inflammation, infections and infestations, regeneration and repair, and neoplasia. The unit includes the applications of general pathology to the study of diseases of the heart and circulatory system, digestive system, respiratory system, urogenital system, endocrine system, nervous system, haematologic system and skin.

**Antirequisites:** LSB321, LSB361, LSB367  
**Credit points:** 12  
**Contact hours:** 4 per week  
**Campus:** Gardens Point and Kelvin Grove  
**Teaching period:** 2010 SEM-2

**LSB492 MICROBIOLOGY**

This is an introductory core unit of microbiology for students of optometry and podiatry with an introduction to microorganisms, control of microbial populations and clinical conditions relevant to optometry and podiatry.

**Assumed knowledge:** Basic biological and chemical knowledge is assumed  
**Credit points:** 12  
**Contact hours:** 4 per week  
**Campus:** Gardens Point  
**Teaching period:** 2010 SEM-2

**MGB223 ENTREPRENEURSHIP AND INNOVATION**

This unit introduces students to the nature and characteristics of entrepreneurship and innovation and explores the inter-relationship between the two within contemporary economies from managerial perspective. Learning will be directed towards developing the theoretical and applied knowledge, skills, and attitudes that will support and enhance innovation and enterprise creation activity, through the development of a business plan. The unit is designed for those individuals interested in creating a new venture or working in industries as employees of venture owners or those that serve this sector. Students will have opportunity to build a comprehensive plan of their business concept.

**Prerequisites:** BSB115 or CTB115  
**Equivalents:** CTB223  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Gardens Point and Caboolture  
**Teaching period:** 2010 SEM-1 and 2010 SEM-2
PUB251 CONTEMPORARY PUBLIC HEALTH
This unit provides an introduction to the following: the philosophy and approach of public health; the traditional public health process; the multidisciplinary nature of public health; and health policy and its impact on public health. Recent reformulations of traditional public health approaches including health promotion, intersectoral action for health and healthy public policy are examined. The role of public health in Australia and overseas, its main discipline components and some of the constraints faced by public health is also addressed. This unit considers groups with special needs and contemporary issues.

**Antirequisites:** PUB106  Credit points: 12  Contact hours: 4 per week (KG and Ext Sem 1; KG Sem 2)  
Campus: Kelvin Grove and External  
Teaching period: 2010 SEM-1 and 2010 SEM-2

PUB326 EPIDEMIOLOGY
Epidemiology is the core scientific method of public health. It is the study of the distribution of health and disease in the population and includes research into causes of disease and the effectiveness of public health programs. Epidemiological methods are used to generate the evidence base for clinicians, health promotion specialists, health educators, occupational and environmental health officers and health service managers.

**Antirequisites:** HLN710  Assumed knowledge: Successful completion of 96cp is assumed prior knowledge  
Credit points: 12  Contact hours: 3 per week (Ext PU40 Pub Hlth students only)  
Campus: Kelvin Grove and External  
Teaching period: 2010 SEM-1

PUB339 PODIATRIC MEDICINE 1
This unit provides an introduction to the clinical, theoretical and professional aspects of podiatry practice. Students entering the unit begin the transition to the unique and challenging role of clinician, as well as continuing academic learning. Students are required to apply previous background knowledge, ie advanced anatomy, biochemistry, etc, in the clinical setting. Student are also involved in the care of patients attending the university clinic. The unit is particularly designed to encourage the development of essential graduate skills such as a self-directed approach to learning, the ability to work as part of a team and the ability to engage in peer review.

**Prerequisites:** HMB272, and LSB235 and LSB250  
Corequisites: pub362  Credit points: 12  Contact hours: 16 (including clinic work)  
Campus: Kelvin Grove  
Teaching period: 2010 SEM-1

PUB362 PODIATRIC CLINICAL GAIT ANALYSIS
Technologies are used according to established procedures in order to assess human gait and collect patient data. The results are evaluated to ensure that the data meet the accepted standards for clinical decision making purposes.

The emphasis is on gait analysis techniques that are particularly applicable in podiatry.

**Prerequisites:** LSB131 and HMB272  
Credit points: 12  
Teaching period: 2010 SEM-1

PUB406 HEALTH PROMOTION PRACTICE
This unit ties together the fundamental health promotion knowledge and constructs covered in earlier units in the public health subject area. It builds upon this basis to introduce students to the range of strategies available to a health promotion practitioner. The unit promotes an appreciation of the strengths and weaknesses of different approaches, as well as related administrative factors. Students undertake a small health promotion project in groups of 3-4. This is an essential field of study for those students who wish to work in a health promotion or related field.

**Prerequisites:** PUB251 or PUB530  
Credit points: 12  
Contact hours: 3  
Campus: Kelvin Grove  
Teaching period: 2010 SEM-2

PUB436 EVIDENCE BASED PRACTICE
Credit points: 12  
Teaching period: 2010 SEM-2

PUB437 PHARMACOLOGY
This unit is designed to ensure students understand the basic drug therapies their patients may be using, the groups of drugs used for specific diseases, and their application and relevance to podiatry. Emphasis is placed on drug groups and their use for specific disease, rather than proprietary brands. Students learn to recognise the drug groups and know the system they are acting on in the body. In addition, differentiation between the different categories within one group of systemic drugs and why they are used for a condition is emphasised, along with discussion of contrindications and drug interactions.

**Prerequisites:** LSB275, LSB451, LSB475 and PUB438  
Credit points: 12  
Contact hours: 3 per week  
Campus: Kelvin Grove  
Teaching period: 2010 SEM-2

PUB438 MEDICINE
Following completion of this unit, students should be able to recognise and understand the clinical features, pathogenesis and significance of common conditions affecting the lower limbs. For example infectious diseases, nervous system disorders, endocrine/metabolic and deficiency states, renal disorders, cardiology, respiratory disorders, immunology, hepatobiliary disorders, musculoskeletal disorders, haematology/lymph, inherited/genetic conditions. The diagnosis and management of dermatological disorders is also covered.

**Prerequisites:** LSB451, or LSB250 and LSB475  
Corequisites: PUB437  
Credit points: 12  
Contact hours: 3 per week  
Campus: Kelvin Grove  
Teaching period: 2010 SEM-2
PUB439 PODIATRIC MEDICINE 2
This unit aims to increase proficiency in the examination and treatment of patients who have common foot problems with particular emphasis on aged care and diabetes. Topics covered include: clinical biomechanics, the elderly and the ageing foot, the management and of the diabetic foot, wound healing and wound care products, footwear construction, assessment and prescription, foot orthoses. **Prerequisites:** PUB339 and LSB384. LSB384 can be studied in the same teaching period. **Credit points:** 12  **Contact hours:** 15 (includes clinic work)  **Campus:** Kelvin Grove  **Teaching period:** 2010 SEM-1

PUB461 QUALITATIVE INQUIRY IN PUBLIC HEALTH
Qualitative methods are essential to generate knowledge of people's lived experiences, the meanings they ascribe to them, and to the social dimension of health. The nature and complexities of many public health problems require a mix of research methods and the contributions of qualitative inquiry are increasingly recognised. The practical skills acquired in this unit can be applied to a wide range of public health works, including community based program evaluation, international health and health social science research. **Credit points:** 12  **Contact hours:** 3 per week  **Campus:** Kelvin Grove  **Teaching period:** 2010 SEM-2

PUB522 PODIATRIC ANAESTHESIOLOGY
This unit provides an understanding of the science of anaesthetics as applicable to the practice of podiatry. Students are required to understand the pharmacology of local anaesthetics and their clinical usage, and be competent in injection techniques, including local infiltration and local nerve block in the lower limbs. **Prerequisites:** PUB437, PUB438, PUB439 and PUB538  **Credit points:** 12  **Contact hours:** 3 per week  **Campus:** Kelvin Grove  **Teaching period:** 2010 SEM-1

PUB530 HEALTH EDUCATION AND BEHAVIOUR CHANGE
**Antirequisites:** PUB329, PUB341  **Credit points:** 12  **Teaching period:** 2010 SEM-1

PUB537 RADIOGRAPHIC IMAGE INTERPRETATION
This unit is designed to give the student of podiatric medicine an understanding and ability to recognise normal and abnormal foot radiographs. It also enables the student to utilise radiology as an important diagnostic tool in foot pathology. **Prerequisites:** PUB439  **Corequisites:** PUB539  **Credit points:** 12  **Contact hours:** 4 per week  **Campus:** Kelvin Grove  **Teaching period:** 2010 SEM-1

PUB538 REHABILITATION MEDICINE AND PHYSICAL THERAPIES
This unit introduces a wide range of diagnostic and physical treatment modalities used in modern podiatric practice. Students gain understanding in uses, applications, contraindications and limitations of each modality studied in direct connection with ongoing clinical studies and theoretical components of podiatric medicine. **Prerequisites:** LSB235  **Credit points:** 12  **Contact hours:** 3 per week  **Campus:** Kelvin Grove  **Teaching period:** 2010 SEM-1

PUB539 PODIATRIC MEDICINE 3
This unit develops professional understanding of the general and specific effects of medical and surgical conditions on the human foot. It also expands the concept of total case management in terms of the interdisciplinary approach, including physical, mechanical and surgical techniques. Completion of this unit should enable students to consolidate the podiatrist's role in the health care team across the spectrum of practice. **Prerequisites:** PUB438, PUB437, PUB537 and PUB439  **Credit points:** 12  **Contact hours:** 12  **Campus:** Kelvin Grove  **Teaching period:** 2010 SEM-1

PUB545 HEALTH POLICY, PLANNING AND ADVOCACY
**Antirequisites:** PUB511  **Credit points:** 12  **Teaching period:** 2010 SEM-1

PUB557 HEALTH NEEDS OF INDIGENOUS AUSTRALIANS AND OTHER POPULATIONS
The unit examines the health needs of a range of population groups, particularly the health needs of indigenous Australians. Health is viewed in its social and economic context. The unit allows a recognition and focus on particular health concerns that might not be considered significant in an examination of broad patterns of health. It forces a consideration of how strategies to improve health, including important questions of access and equity. The unit provides an overall picture of health patterns of indigenous Australians and other specific populations. **Prerequisites:** PUB251  **Credit points:** 12  **Teaching hours:** 3 per week  **Campus:** Kelvin Grove  **Teaching period:** 2010 SEM-1

PUB561 STATISTICAL METHODS IN HEALTH
The ability to analyse and interpret quantitative data is an important skill for all graduates in public health. This unit builds upon PUB326 Epidemiology and complements analytical methods learned in PUB461 Qualitative Enquiry in Public Health. Through critical review of the literature, and worked examples from a range of topic areas, students become familiar with the process of summarising and describing data, defining and testing hypotheses, univariate methods and tests of bivariate associations, the concept of
adjustment and the interpretation and presentation of analytical results.

**Prerequisites:** PUB326  
**Antirequisites:** PUN105  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-1

### PUB565 INTERNATIONAL HEALTH

International health will broaden student's understanding of global health systems and programs, providing an advanced level analysis that explores systems and methods that have been devised to address population health problems in developing and developed countries. Students examine the historic context of the international health movement from the early 1900s to recent changes in global health systems, explore the diversity of services between and within countries, and consider issues of globalisation, economic reform, health equity and ethics. This unit is particularly relevant to students who are interested in international health development work.

**Prerequisites:** PUB251  
**Assumed knowledge:** At least two years of study in health area, including PUB326 is assumed knowledge.  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-1

### PUB611 RISK MANAGEMENT

Note: This unit is available externally only for Second Semester 2010.

This unit provides students with the knowledge and skills for the assessment and quantification of risk in the workplace. It considers the various models available to investigate and analyse accidents and propose strategies to prevent similar incidents in the future. Various hazard identification techniques such as HAZOP, Fault Tree Analysis and FMEA are discussed. The unit provides students with the ability to position occupational health and safety within an organisation's strategic decision making process.

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

### PUB632 INDEPENDENT STUDY

Independent study allows students to study a topic which is not otherwise available as a formal unit. Students have the opportunity to pursue their studies relatively independently and to develop and practise skills in problem identification, evaluation and critical thinking. The study may be for example a literature review or a placement in a particular setting. The process and outcomes are negotiated in a contract with a supervisor.

**Assumed knowledge:** Completion of 192 credit points, a GPA >5 and an approved supervisor are assumed knowledge and requirements for enrolment in this unit.

**Credit points:** 12  
**Campus:** Kelvin Grove and External  
**Teaching period:** 2010 SEM-2

### PUB635 PODIATIC SURGERY

This unit addresses the implementation of podiatric surgical techniques based on strong theoretical knowledge. On completion, students should understand the principles and techniques of lower limb surgery. Students are taught minor surgical techniques and review some of the more common major surgical procedures including the foot and ankle.

**Prerequisites:** PUB522, PUB523, PUB624  
**Credit points:** 12  
**Contact hours:** 3 (including surgical work)  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-2

### PUB638 ORTHOPAEDICS AND SPORTS MEDICINE

This unit provides students with a detailed knowledge of orthopaedic and musculoskeletal conditions affecting the lower limb. The unit also discusses the assessment and management of the sports patient.

**Prerequisites:** PUB537, PUB538, PUB635 and PUB639  
**Credit points:** 12  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-2

### PUB639 PODIATRIC MEDICINE 4

This unit extends the student by way of a greater role in independent case investigation and clinical case presentations. Complex case histories and treatment interventions are pursued. The theory and treatment of paediatric disorders is studied and students are introduced to specialist clinics in the podiatry facility and treatment of higher order cases. Students implement a wide range of treatments and should be able to consolidate skills acquired. Diagnostic skills are also developed with the wider range of patients being treated and the specialised study of disciplines such as dermatology and radiology further integrating academic and clinical studies.

**Prerequisites:** PUB539 and PUB635  
**Credit points:** 12  
**Contact hours:** 12  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-2

### PUB644 HEALTH PROMOTING SCHOOLS

This subject is designed to extend students' understanding of health promotion in a school setting. The learning objectives for this course are designed to reinforce the links between education and health, in relation to the planning, implementation and evaluation of a school based health promotion intervention. It also addresses some of the management issues that underlie such an approach to the promotion of health and well being in the school community. Case studies or activities offer a range of opportunity for reflection and investigation.

**Credit points:** 12  
**Campus:** External  
**Teaching period:** 2010 SEM-2

### PUB738 PROFESSIONAL PLACEMENT 1

The aim of this unit is to develop high-level clinical skills and professionalism in a range of clinical settings. Increased
understanding of the various clinical and non-clinical roles that podiatrists play in the community will be emphasised through external placements.

**Prerequisites:** PUB639, PUB635, PUB638, PUB538, PUB537 and PUB739  
**Credit points:** 12  
**Contact hours:** 9 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-1

**PUB739 PODIATRIC MEDICINE 5**

The aim of this unit is to provide you with the diagnostic and treatment skills necessary to manage patients with more complex conditions, introduce contemporary issues in podiatry including national and international issues, and to encourage you to critically evaluate the medical literature to inform your clinical decisions. (Not offered until 2005).

**Prerequisites:** PUB639, PUB635, PUB638, PUB538, PUB537 and PUB738  
**Antirequisites:** PUB740  
**Credit points:** 12  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-1

**PUB838 PROFESSIONAL PLACEMENT 2**

The aim of this unit is to develop high level clinical skills and professionalism in a range of clinical settings. Increased understanding of the various clinical and non-clinical roles that podiatrists play in the community are emphasised through external placements. Students complete clinical rotations not attempted in PUB738 Advanced Clinical Studies 1.

**Prerequisites:** PUB739 and PUB738  
**Corequisites:** PUB839  
**Credit points:** 12  
**Contact hours:** 9 per week  
**Campus:** Kelvin Grove

**PUB839 PODIATRIC MEDICINE 6**

The aim of this unit is to ensure students are able to demonstrate adequate knowledge and skills expected for entry into the podiatry profession.

**Antirequisites:** PUB840  
**Credit points:** 12  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-2

**PUB862 TRANSITION TO THE CLINICAL PROFESSION**

Health professionals work within financial, legal, ethical and professional frameworks. Practice in public and private settings requires knowledge of accounting, marketing, human resources, project management and professionalism in the health context. This unit prepares students for the transition to practice by exploring these concepts and their relationship to employment/practice.

**Credit points:** 12  
**Teaching period:** 2010 SEM-2

**PYB007 INTERPERSONAL PROCESSES AND SKILLS**

Psychology is generally a people-based profession with many positions involving not only understanding and testing people but communicating with them. More broadly however in most areas of modern work, and indeed within personal relationships, people need developed interpersonal skills and the ability to conceptualise interactive processes. The microskills for communication are also the foundation for helping relationships and counselling.

**Antirequisites:** PYB074, HHB113, PYB111  
**Credit points:** 12  
**Teaching period:** 2010 SEM-1 and 2010 SEM-2

**PYB012 PSYCHOLOGY**

The body of knowledge which defines Psychology as a discipline is basic to an understanding of human behaviour and interaction. Psychological theories, concepts and methods of investigation provide ways of evaluating personal and professional practice. Informed practice can then seek to meet the needs of individuals, groups and communities. All professional people need to have frameworks for understanding their own behaviour and that of others. This unit provides students with essential knowledge as a basis for their personal and professional effectiveness. It is the foundation for understanding further study in psychology and its many applications.

**Equivalents:** PYB100, PYB101  
**Credit points:** 12  
**Teaching period:** 2010 SEM-1 and 2010 SEM-2

**SCB113 CHEMISTRY FOR HEALTH AND MEDICAL SCIENCE**

A challenging chemistry unit designed for students undertaking health and/or medical science degrees. A range of topics from sub-discipline areas of general, physical and organic chemistry are covered. General/physical chemistry content includes atomic and molecular structure, electronic structure, bonding, molecular geometry, stoichiometry, thermochemistry, gases, kinetics, equilibrium, acids, bases, buffers, and electrochemistry. Organic chemistry content includes functional group chemistry, reaction mechanisms, stereochemistry, chirality as well as topics of biological significance including the chemistry of peptides, sugars and DNA. The unit is complemented by a practical program involving a range of experiments illustrating important chemical concepts.

**Antirequisites:** SCB111, SCB121  
**Credit points:** 12  
**Teaching period:** 2010 SEM-1