Bachelor of Health Science (Podiatry) (PU43)

Year offered: 2011
Admissions: Yes
CRICOS code: 022143C
Course duration (full-time): 4 years
Domestic Fees (indicative): 2011: CSP $3,899 per semester (indicative)
International Fees (indicative): 2011: $11,875 (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.qut.edu.au/assumed-knowledge
Total credit points: 384
Standard credit points per full-time semester: 48
Course coordinator: All enquiries to sph.studentcentre@qut.edu.au or phone 3138 3368
Discipline coordinator: Dr Lloyd Reed
Campus: Kelvin Grove

Professional Recognition
The course meets the requirements for accreditation by the Australian and New Zealand Podiatry Accreditation Council. Graduates meet the requirements for registration with the Podiatry Board of Australia.

The Australian Health Practitioner Regulation Agency (AHPRA) requires that graduates demonstrate English language skills at IELTS level 7 or equivalent before being considered for professional registration. For further information visit the AHPRA website: http://www.ahpra.gov.au/Registration/Registration-Process/Registration-Requirements.aspx

Please refer to the Podiatry Board of Australia website http://www.podiatryboard.gov.au/Registration-Standards.aspx for additional information on the Board's Registration Standards.

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

Student registration
QUT automatically registers students enrolled in this course with the Podiatry Board of Australia in accordance with the Health Practitioner Regulation National Law Act 2009. Details about student registration are available from the Australian Health Practitioner Regulation Agency at www.ahpra.gov.au

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://student.qut.edu.au/studying/jobs-and-work-experience/work-experience-and-placements/blue-cards.

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.

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

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

Deferment
Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

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 Anaesthestiology
- **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 commencing 2011 or 2012**

### 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
- **LSB475** Disease Processes 4
- **PUB326** Epidemiology
- **PUB339** Podiatric Medicine 1

### Year 2, Semester 2
- **LSB384** Pharmacology For Health Professionals
- **LSB492** Microbiology
- **PUB538** Rehabilitation Medicine and Physical Therapies
- **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 Anaesthestiology
- **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

### Year 4, Semester 2
- **PUB862** Transition to the Clinical Profession
- **PUB838** Professional Placement 2
- **PUB840** Podiatric Medicine 6
PUB635  Podiatric Surgery  
Year 4, Semester 2
PUB862  Transition to the Clinical Profession  
PUB838  Professional Placement 2  
PUB840  Podiatric Medicine 6

Potential Careers:  
Community Health Officer, Podiatrist, Rehabilitation Professionals.

UNIT SYNOPSES

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: Gardens Point  Teaching period: 2011 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: 2011 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: 2011 SEM-2

LSB250 HUMAN PHYSIOLOGY  
A strong foundation in human physiology is crucial for students in Optometry, Podiatry and Medical Science. This unit will provide you with the necessary foundation for subsequent units in physiology, pathology or immunology. This unit is also appropriate for other students interested in studying medical physiology at an intermediate level and is also designed to encourage your interest in scientific research and current issues in medical physiology. The aim of this unit is for students to gain a strong background in human physiology and to develop skills and gain knowledge that are relevant to the needs of future optometrists, podiatrists and medical scientists.  
Prerequisites: SCB112 or LSB118 or LSB131 or LQB182  Antirequisites: LSB231  Credit points: 12  Contact hours: 5 per week  Campus: Gardens Point  Teaching period: 2011 SEM-2

LSB275 BIOMOLECULAR SCIENCE  
This unit is designed specifically for optometry and podiatry students and introduces you to the study of biochemistry, along with anatomy and physiology. Being an introductory unit, it provides you with the knowledge required for the proper understanding of the functioning of the human body and its organ systems in health and disease, as a preparation for their clinical studies. The aim of the unit is to develop an understanding of the structure and function of biological molecules and metabolic processes.  
Antirequisites: LQB381, LSB308, LQB481, LSB408  Credit points: 12  Contact hours: 5 per week  Campus: Gardens Point and Kelvin Grove  Teaching period: 2011 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: 2011 SEM-1 and 2011 SEM-2

LSB475 DISEASE PROCESSES 4  
Disease Processes provides a link between your foundation knowledge in anatomy and physiology and the application of such knowledge in a clinical setting. This intermediate level unit places an emphasis on general pathological knowledge necessary for your understanding of future advanced units. It therefore provides you with the knowledge needed for subsequent clinical semesters. The aim of the unit is to introduce you to the study of disease processes underlying the major diseases of human organ systems.  
Antirequisites: LSB321, LSB361, LSB367  Credit points: 12  Contact hours: 4 per week  Campus: Gardens Point and Kelvin Grove  Teaching period: 2011 SEM-2

LSB492 MICROBIOLOGY
This unit will provide you with foundation knowledge and an understanding of the diversity of microorganisms, the host's immune response to infection and methods of control of microorganisms. You will: (i) study relevant infectious disease states, (ii) research the importance of microbial pathogens as aetiological agents of disease, and (iii) reinforce your knowledge of microbiological methods and control of microorganisms by performing experiments within the microbiology laboratory.

**Assumed knowledge:** Basic knowledge of biology and chemistry is assumed for this unit.  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Kelvin Grove

**LSB584 PHARMACOTHERAPEUTICS FOR PODIATRISTS**

There is an increasing need for the use of medicines by endorsed Podiatrists for the treatment, management and rehabilitation of patients of various foot pathologies. This unit will further enhance your understanding of pharmacology with a focus on the S2, S3 and S4 medicines administered and prescribed for the treatment and diagnosis of the disease states encountered in the scope of professional practice of Podiatrists. You will also be exposed to recognised clinical guidelines that recommend the appropriate selection and use of medicines such as the Therapeutic Guidelines and drug protocols approved by the Podiatry Board of Australia and gain an appreciation of the national policy on the Quality Use of Medicines.

**Prerequisites:** LSB384 or PUB437  
**Credit points:** 12  
**Campus:** Kelvin Grove  
**Teaching period:** 2011 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.

**Prerequisites:** PUN106  
**Credit points:** 12  
**Contact hours:** 4 per week (KG and Ext Sem 1; KG Sem 2)  
**Campus:** Kelvin Grove and External  
**Teaching period:** 2011 SEM-1 and 2011 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.

**Prerequisites:** 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:** 2011 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. [Designated unit]

**Prerequisites:** LSB235 and LSB250 and PUB362. PUB362 can be enrolled in the same study period.  
**Credit points:** 12  
**Contact hours:** 16 (including clinic work)  
**Campus:** Kelvin Grove  
**Teaching period:** 2011 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:** LSB235 and PUB339. PUB339 can be enrolled in the same study period.  
**Credit points:** 12  
**Campus:** Kelvin Grove  
**Teaching period:** 2011 SEM-1

**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 and LSB384  
**Corequisites:** LSB584  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Kelvin Grove
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. [Designated unit]
Prerequisites: PUB339 Credit points: 12 Contact hours: 15 (includes clinic work) Campus: Kelvin Grove Teaching period: 2011 SEM-1

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. [Designated unit]
Prerequisites: (PUB437 or LSB584) and PUB438 and (PUB439 or PUB539) Credit points: 12 Contact hours: 3 per week Campus: Kelvin Grove Teaching period: 2011 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: PUB438 and PUB439 and PUB539. PUB439 and PUB539 can be taken in the same study period. Credit points: 12 Contact hours: 4 per week Campus: Kelvin Grove Teaching period: 2011 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: PUB439 Corequisites: PUB522 Credit points: 12 Contact hours: 3 per week Campus: Kelvin Grove Teaching period: 2011 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. [Designated unit]
Prerequisites: PUB437 and PUB438 and PUB439 and PUB537 and LSB584. PUB537 and LSB584 can be taken in the same study period. Credit points: 12 Contact hours: 12 Campus: Kelvin Grove Teaching period: 2011 SEM-1

PUB635 PODIATRIC 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 and PUB438 and (PUB437 or LSB584) and (PUB639 or PUB539) Credit points: 12 Contact hours: 3 (including surgical work) Campus: Kelvin Grove Teaching period: 2011 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 and PUB538 and PUB639. PUB639 can be taken in the same study period. Credit points: 12 Campus: Kelvin Grove Teaching period: 2011 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. [Designated unit]
Prerequisites: PUB539 Credit points: 12 Contact hours: 12 Campus: Kelvin Grove Teaching period: 2011 SEM-2

PUB662 CLINICAL THERAPEUTICS FOR PODIATRISTS
This unit builds on prior studies in disease processes, medicine, podiatric medicine, pharmacotherapeutics, pharmacokinetics and pharmacology. Principles of safe and effective pharmacological management of podiatric conditions are discussed. Clinical decision-making is developed within the framework of the quality use of
medicines.

**Prerequisites:** PUB438 and LSB384 and LSB584 and PUB539  
**Corequisites:** PUB639  
**Credit points:** 12  
**Campus:** Kelvin Grove  
**Teaching period:** 2011 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. [Designated unit]

**Prerequisites:** PUB639 and PUB538 and PUB537 and PUB635 and PUB739. PUB635 and PUB739 can be taken in the same study period.  
**Credit points:** 12  
**Contact hours:** 9 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2011 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:** PUB738, PUB739 and PUB839. PUB839 may be taken concurrently.  
**Credit points:** 12  
**Contact hours:** 9 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2011 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.

**Prerequisites:** PUB739 or PUB740  
**Credit points:** 12  
**Campus:** Kelvin Grove  
**Teaching period:** 2011 SEM-1

**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  
**Contact hours:** 3 per week  
**Campus:** Gardens Point and Kelvin Grove  
**Teaching period:** 2011 SEM-1 and 2011 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:** POB105, SCB111 and SCB121  
**Credit points:** 12  
**Contact hours:** 5 per week  
**Campus:** Gardens Point  
**Teaching period:** 2011 SEM-1