Bachelor of Applied Science (Human Movement Studies)/Bachelor of Health Science (Nutrition and Dietetics) (HL42)

Year offered: 2011
Admissions: No
CRICOS code: 031579M
Course duration (full-time): 5 Years
Domestic Fees (indicative): 2011: CSP $3,878 (indicative)
   per semester
International Fees (indicative): 2011: $12,750 (indicative)
   per semester
Domestic Entry: February
International Entry: February
QTAC code: 425192
Past rank cut-off: 96
Past OP cut-off: 3
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: 528
Standard credit points per full-time semester: 48 (6 semesters) 60 (4 semesters)
Course coordinator: enquirieshms@qut.edu.au or phone: 07 3138 4697 OR sph.studentcentre@qut.edu.au or phone: 07 3138 3368
Campus: Kelvin Grove

Overview
This course was replaced by HL22 Bachelor of Exercise and Movement Science/ Bachelor of Health Science (Nutrition and Dietetics) from first semester 2010.

Continuing students will complete their course requirements in HL42 Bachelor of Applied Science (Human Movement Studies)/Bachelor of Health Science (Nutrition and Dietetics).

This double degree program will prepare you as a multi-skilled professional who meets current requirements for employment as a nutritionist/dietitian, and in a range of exercise and sports science professions. At present, the demand for sports nutritionists is growing rapidly and there is a growing field in the area of rehabilitation science for people with dual qualifications.

Professional recognition
Graduates are eligible for membership of the Dietitians Association of Australia (DAA), and may enrol in the Accredited Practising Dietitian (APD) program.

Honours
A degree with honours may be awarded to a student who has recorded outstanding achievement in a component of the double degree program.

Other Course Requirements
There are additional costs associated with this course including the purchase of the practicum shirt (approximately $50), attainment of a current first aid certificate prior to the commencement of your third year, and a Blue Card to work with children depending upon the practicum site. Attendance at the orientation camp is highly recommended though not compulsory (approximately $115).

Students who are required to undertake placements off-campus may incur additional costs (for example travel and accommodation). Hepatitis B vaccination is required before placement in Queensland Health facilities.

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 information about this course, please call the School of Public Health on +61 7 3138 3368 or email sph.studentcentre@qut.edu.au, OR the School of Human Movement Studies on +61 7 3138 4697 or email enquirieshms@qut.edu.au

Full-time Course structure for students commencing in 2008

<table>
<thead>
<tr>
<th>Year 1, Semester 1 - no longer offered</th>
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<tbody>
<tr>
<td>SCB111 Chemistry 1</td>
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<tr>
<td>LSB131 Anatomy</td>
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<tr>
<td>PUB251 Contemporary Public Health</td>
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<tr>
<td>PUB474 Food Science</td>
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<tr>
<td>Year 1, Semester 2 - no longer offered</td>
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<tr>
<td>HMB276 Research in Human Movement</td>
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<tr>
<td>LQB488 Medical Physiology 2</td>
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<td>SCB121 Chemistry 2</td>
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<thead>
<tr>
<th>Year 2, Semester 1 - no longer offered</th>
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<tbody>
<tr>
<td>HMB271 Foundations of Motor Control, Learning and Development</td>
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<tr>
<td>HMB274 Functional Anatomy</td>
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<tr>
<td>LQB381 Biochemistry: Structure and Function</td>
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<td>HMB171 Fitness Health and Wellness</td>
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<tr>
<td>LQB388 Medical Physiology 1</td>
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<thead>
<tr>
<th>Year 2, Semester 2 - no longer offered</th>
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<tbody>
<tr>
<td>HMB272 Biomechanics</td>
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<tr>
<td>HMB273 Exercise Physiology 1</td>
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<tr>
<td>LQB481 Biochemical Pathways and Metabolism</td>
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<tr>
<td>PYB208 Counselling Theory and Practice 1</td>
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<td>PUB405 Nutrition Science</td>
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<tr>
<th>Year 3, Semester 1</th>
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<tbody>
<tr>
<td>HMB378 Neurological, Psychological and Musculoskeletal Disorders</td>
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<td>OR</td>
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<tr>
<td>HMB379 Disorders of Human Movement</td>
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<tr>
<td>PUB326 Epidemiology</td>
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<tr>
<td>PUB541 Medical Nutrition Therapy 1</td>
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<tr>
<td>PUB530 Health Education and Behaviour Change</td>
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<tr>
<th>Year 3, Semester 2</th>
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<tbody>
<tr>
<td>HMB275 Exercise and Sport Psychology</td>
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<tr>
<td>PUB628 Advanced Food Studies</td>
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<tr>
<td>PUB641 Medical Nutrition Therapy 2</td>
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<tr>
<td>HMB282 Resistance Training</td>
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<tr>
<td>PUB436 Evidence Based Practice</td>
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<tr>
<th>Year 4, Semester 1</th>
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<tbody>
<tr>
<td>HMB277 Exercise and Sport Nutrition</td>
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<tr>
<th>Year 4, Semester 2</th>
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<tbody>
<tr>
<td>HMB382 Principles of Exercise Prescription</td>
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<tr>
<td>PUB509 Community and Public Health Nutrition</td>
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<tr>
<td>HMB313 Socio-Cultural Foundations of Physical Activity</td>
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<tr>
<td>Elective from List A (See entry HM42 BAppSc(HMS))</td>
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<tr>
<th>Year 5, Semester 1</th>
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<tbody>
<tr>
<td>PUB723 Clinical Dietetic Practice</td>
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<tr>
<td>PUB821 Practice in Community Nutrition</td>
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<td>OR</td>
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<tr>
<td>PUB822 Practice in Foodservice Management</td>
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<tr>
<th>Year 5, Semester 2</th>
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<tbody>
<tr>
<td>HMB475 Practicum 2</td>
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<tr>
<td>PUB606 Dietetic Management</td>
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<tr>
<td>PUB821 Practice in Community Nutrition</td>
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<tr>
<td>OR</td>
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<tr>
<td>PUB822 Practice in Foodservice Management</td>
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<th>Note</th>
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<tr>
<td>Students in 5th year must complete PUB821 and PUB822, but can choose in which semester to undertake each unit.</td>
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<th>Continuing students who commenced before 2008</th>
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<tbody>
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<tr>
<td>HMB378 Neurological, Psychological and Musculoskeletal Disorders</td>
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</tr>
<tr>
<td>PUB541 Medical Nutrition Therapy 1</td>
</tr>
<tr>
<td>PYB012 Psychology</td>
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</tbody>
</table>
### Year 3, Semester 1
- HMB277: Exercise and Sport Nutrition
- HMB313: Socio-Cultural Foundations of Physical Activity
- HMB382: Principles of Exercise Prescription
- PUB509: Community and Public Health Nutrition

### Year 3, Semester 2
- HMB275: Exercise and Sport Psychology
- HMB282: Resistance Training
- PUB628: Advanced Food Studies
- PUB641: Medical Nutrition Therapy 2
- PUB506: Foodservice Management

### Year 4, Semester 1
- HMB277: Exercise and Sport Nutrition
- HMB313: Socio-Cultural Foundations of Physical Activity
- HMB382: Principles of Exercise Prescription
- PUB509: Community and Public Health Nutrition

### Year 4, Semester 2
- HMB470: Practicum 1
- HM Elective
- PYB208: Counselling Theory and Practice 1
- PUB645: Introduction To Dietetic Practice

### Year 5, Semester 1
- PUB723: Clinical Dietetic Practice
- PUB821: Practice in Community Nutrition
  - OR
- PUB822: Practice in Foodservice Management
  - HM Elective

### Year 5, Semester 2
- HMB475: Practicum 2
- PUB606: Dietetic Management
- PUB821: Practice in Community Nutrition
  - OR
- PUB822: Practice in Foodservice Management

*Students in 5th year MUST complete PUB821 and PUB822, but can choose in which semester*

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**Elective from List A (See entry HM42)**

### Year 1, Semester 1 - no longer offered
- SCB111: Chemistry 1
- LSB131: Anatomy
- PUB251: Contemporary Public Health

### Year 1, Semester 2 - no longer offered
- PUB474: Food Science

### Year 2, Semester 1 - no longer offered
- PUB201: Food and Nutrition
- HMB276: Research in Human Movement
- SCB121: Chemistry 2
- LQB488: Medical Physiology 2

### Year 2, Semester 2 - no longer offered
- PUB474: Food Science

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**Students in 5th year MUST complete PUB821 and PUB822, but can choose in which semester**

**Full-time Course structure for students commencing in 2009**

### Year 3, Semester 1
- HMB378: Neurological, Psychological and Musculoskeletal Disorders
  - OR
- HMB379: Disorders of Human Movement
- PUB326: Epidemiology
- PUB530: Health Education and Behaviour Change
- PYB007: Interpersonal Processes and Skills

### Year 3, Semester 2
- HMB275: Exercise and Sport Psychology
- HMB282: Resistance Training
- PUB628: Advanced Food Studies
- PUB641: Medical Nutrition Therapy 2
- PUB648: Diet, Nutrition and Chronic Disease

### Year 4, Semester 1
- HMB277: Exercise and Sport Nutrition
- HMB313: Socio-Cultural Foundations of Physical Activity
- HMB382: Principles of Exercise Prescription
- PUB509: Community and Public Health Nutrition
  - Elective from List A (See entry HM42)
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: 2011 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: 2011 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: 2011 SEM-2

UNIT SYNOPSISES

HMB171 FITNESS HEALTH AND WELLNESS
The dimensions and interrelationships of health, physical activity and wellness are studied. Basic principles of conditioning and exercise prescription necessary to demonstrate the impact of physical activity on lifestyle diseases, health behaviours and wellness are examined. Principles and theory of behaviour change are employed.

Credit points: 12  Contact hours: 3-4 per week  Campus: Kelvin Grove  Teaching period: 2011 SEM-1

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.

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Prerequisites: LSB231 or LSB142  Credit points: 12  Contact hours: 4 per week  Campus: Kelvin Grove  Teaching period: 2011 SEM-2
Teaching period: 2011 SUM-2 and 2011 SEM-1

HMB275 EXERCISE AND SPORT PSYCHOLOGY
This unit includes the following: introduction to the psychological factors which influence performance, participation and adherence to both sport and exercise programs; personality and the athlete; attention and arousal; relaxation theory and practice; aggression and psychosocial development; leadership and team cohesion. Prerequisites: PYB100 or PYB012 or EDB002 Credit points: 12 Contact hours: 4 per week Campus: Kelvin Grove Teaching period: 2011 SEM-2

HMB276 RESEARCH IN HUMAN MOVEMENT
This unit includes principles of research: purposes, philosophy, applications. It addresses quantitative research including basic statistics, descriptives, ANOVA, correlation, regression and non-parametrics, and basic research design hypothesis testing. Qualitative research includes methodology, data collection, and theory building. Research presentation includes: writing a research report and developing conclusions. This unit also considers application of research, examples in human movement, related literature, computer data analysis, and information retrieval. Credit points: 12 Contact hours: 3 per week Campus: Kelvin Grove Teaching period: 2011 SEM-2

HMB277 EXERCISE AND SPORT NUTRITION
This unit considers the relationship between nutrition and exercise and physical activity. Areas covered include dietary and energy requirements in exercise and sport and substrate utilisation at the cellular level during exercise. The influence that nutrition has on performance via changes in body composition, fuel utilisation, blood biochemistry and ergogenic aids will also be covered. Nutritional supplements and water and electrolyte balance in exercise and sport are also part of this unit. Prerequisites: HMB172 or PUB201 Credit points: 12 Contact hours: 3 per week Campus: Kelvin Grove Teaching period: 2011 SEM-1

HMB282 RESISTANCE TRAINING
This unit aims to equip students with the basic knowledge, skills and competencies required for exercise prescription in resistance training for muscular fitness. Students build on prior knowledge of biomechanics, anatomy, physiology and motor control to develop understanding of the mechanical and physiological determinants of muscular fitness. The unit incorporates a blend of theoretical background, practical knowledge and skills in the main areas of muscular hypertrophy, strength, power and endurance. This understanding is then used to critically analyse resistance training programs. Prerequisites: LSB131 Credit points: 12 Campus: Kelvin Grove Teaching period: 2011 SEM-2

HMB313 SOCIO-CULTURAL FOUNDATIONS OF PHYSICAL ACTIVITY
This unit lays a foundation in the disciplines of the socio-cultural areas which underpin the study of human movement. It serves as an introduction to the historical, sociological, philosophical, anthropological and cultural foundations of sports, games and leisure activities. Credit points: 12 Contact hours: 4 per week Campus: Kelvin Grove Teaching period: 2011 SEM-1

HMB378 NEUROLOGICAL, PSYCHOLOGICAL AND MUSCULOSKELETAL DISORDERS
This unit builds on foundation units to examine selected disorders of human movement that have a neurological, psychological or musculoskeletal basis. The unit identifies major features of each disease together with assessment methods, and forms the basis for subsequent units in clinical exercise prescription. Prerequisites: HMB271, HMB272, HMB273, HMB274 Credit points: 12 Campus: Kelvin Grove Teaching period: 2011 SEM-1

HMB379 DISORDERS OF HUMAN MOVEMENT
This unit introduces a selection of disorders and disease states that limit or alter the capacity for movement and physical activity. Each is described in terms of relevant epidemiology and pathophysiology, emphasising the relationship between each disorder and movement or activity, together with factors affecting this relationship. The unit provides students with a basic knowledge of a selection of movement-related disorders, as a foundation for subsequent applications, whether in research, working with special populations, in rehabilitation, or in other clinical settings. The unit also enhances the ability of students to independently study disorders not covered in the unit. Prerequisites: HMB271 Credit points: 12 Campus: Kelvin Grove

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HMB382 PRINCIPLES OF EXERCISE PRESCRIPTION
In this unit, students examine the physiological principles and methods used in training and conditioning programs at all levels of physical activity. The integration of fitness assessment and exercise prescription is a major component of the unit, introducing the student to these requirements in the context of aerobic conditioning, resistance training, weight loss and flexibility. There is a strong emphasis on putting theory into practice, including the development and utilisation of appropriate practical skills in both fitness assessment and exercise prescription.
Prerequisites: HMB273 and HMB282  
Credit points: 12  
Contact hours: 4 per week  
Campus: Kelvin Grove  
Teaching period: 2011 SEM-1

HMB470 PRACTICUM 1
In the first of the Human Movement dedicated practicum units, students undertake in-depth experience at two different workplaces (40 hours each) while maintaining ongoing involvement in the School's clinics (20 hours). The student is provided with an extended opportunity to apply classroom learned knowledge and skills under the supervision of Human Movement Practitioners. Workplace involvement is preceded by a vocational skill seminar and workshop program while an interactive analysis program is instigated post practicum. [Designated unit]
Prerequisites: HMB382 and HMB385. HMB385 can be taken in the same study period.  
Credit points: 12  
Campus: Kelvin Grove  
Teaching period: 2011 SEM-1 and 2011 SEM-2

HMB475 PRACTICUM 2
This unit includes a comprehensive vocational experience undertaken as a supervised full-time internship. Students are supervised in the performance of operational tasks including clinical, management and administration and further develop independent professional skills and knowledge. The internship is followed by a comprehensive reflective analysis of the experience. [Designated unit]
Prerequisites: HMB470  
Credit points: 36  
Campus: Kelvin Grove  
Teaching period: 2011 SEM-1 and 2011 SEM-2

LQB381 BIOCHEMISTRY: STRUCTURE AND FUNCTION
This unit extends basic organic chemistry theory to the level of the biological macromolecules. A clear understanding of the structure and function of these molecules is essential to a student's understanding of the metabolism of living cells. Hence this biomolecular unit is a fundamental prerequisite for all advanced units in the various disciplines in the field of life sciences.
Prerequisites: (SCB121 and SCB122) or (SCB111 and SCB121) or SCB113  
Antirequisites: LSB275 and LSB325 and LSB308  
Credit points: 12  
Contact hours: 4 per week  
Campus: Gardens Point  
Teaching period: 2011 SEM-1

LQB388 MEDICAL PHYSIOLOGY 1
This unit deals specifically with the physiological systems that are responsible for the maintenance of health in humans. In the course of the semester students will investigate half the systems that constitute the human body (with the remainder dealt with in the second semester unit Physiology 2 [LQB488]). The unit offers a useful frame of reference for students enrolled in courses such as animal biology, biochemistry, microbiology, molecular biology, nutrition and human movements. Together with Physiology 2 [LQB488] this unit is a prerequisite to the third level unit, Applied Physiology [LQB588] and will be of particular interest to students considering medicine as a postgraduate career option.
Prerequisites: LSB111 or LSB131 or LSB142 or LSB255 or LSB258 or SCB120  
Antirequisites: LSB358  
Credit points: 12  
Contact hours: 4 per week  
Campus: Gardens Point  
Teaching period: 2011 SEM-1

LQB481 BIOCHEMICAL PATHWAYS AND METABOLISM
The study of biochemistry and cell biology, along with molecular biology, provides students with the knowledge required for the proper understanding of the structure and function of living organisms at the molecular level. As such, this unit extends the studies begun in the unit LQB381 Biochemistry into the metabolic processes occurring in living cells, and provides students with a basis for further studies in biochemistry as well as support for other units in the third year of the course.
Prerequisites: LQB381 or LSB308  
Corequisites: PUB405  
Antirequisites: LSB275, LSB325, LSB408  
Credit points: 12  
Contact hours: 4 per week  
Campus: Gardens Point  
Teaching period: 2011 SEM-2

LQB488 MEDICAL PHYSIOLOGY 2
An appreciation of how the human body works is an essential prerequisite to understanding the basis of health, disease, diagnostic technologies and treatment strategies. This unit deals specifically with the physiological systems that are responsible for the maintenance of health in humans. It therefore provides a useful frame of reference for students enrolled in biomedical science, pharmacy, human movement studies, nutrition and dietetics or any of the life science majors. The aim of this unit is to introduce you to the normal physiology of the human body in order to facilitate an understanding of how injury or disease affect health as well as the mechanism of action of drugs and other therapeutic interventions.
Prerequisites: LSB111, LSB131, LSB142, LSB255, LSB258, NRB270 or SCB120  
Antirequisites: LSB458  
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

PUB201 FOOD AND NUTRITION
This unit includes the following: an introduction to the history of food and nutrition in Australia; the food system; the food supply; proteins, carbohydrates, fats, vitamins and minerals; food grouping systems; dietary guidelines; the recommended dietary intakes; nutrition through the life cycle; food and nutrition problems; nutrition as a public health issue; and international nutrition issues.
Credit points: 12  Contact hours: 4 per week  Campus: Kelvin Grove  Teaching period: 2011 SEM-1 and 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.
Antirequisites: 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.
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: 2011 SEM-1

PUB405 NUTRITION SCIENCE
Nutrition science examines a range of nutrient components in our food supply, including the biochemical pathways and physiological effects in the body, possible health implications of deficiency or toxicity and important dietary sources. It integrates nutritional knowledge with the science of biochemistry and clinical physiology and provides the foundation on which further studies in nutrition can be built.
Prerequisites: (LSB308 or LQB381) and PUB201  Corequisites: LQB481  Credit points: 12  Contact hours: 4 per week  Campus: Kelvin Grove  Teaching period: 2011 SEM-2

PUB436 EVIDENCE BASED PRACTICE
This unit equips students with the skills to identify, critically analyse and evaluate evidence, and to implement evidence-based practice within their chosen profession.
Credit points: 12  Campus: Kelvin Grove and External  Teaching period: 2011 SEM-2

PUB474 FOOD SCIENCE
To fulfil their needs as future professionals working in food and nutrition related areas, students explore the nature of foods and their constituents, studying the underlying scientific principles related to the manufacture, preservation, distribution and the final production of food items for consumption. This unit is available ONLY in courses where it is listed as a core unit.
Prerequisites: PUB201 (This unit is available ONLY in courses where listed as a core unit)  Credit points: 12  Contact hours: 5 per week  Campus: Kelvin Grove  Teaching period: 2011 SEM-1

PUB506 FOODSERVICE MANAGEMENT
This unit includes the following: organisation and planning in foodservice; the hospital environment; the menu and menu planning; purchasing and storage of food; kitchen planning and design; food production systems; food distribution systems; human resource management in foodservice; finance and costing; hygiene; maintenance and safety; information systems; and total quality management.
Prerequisites: PUB474  Credit points: 12  Contact hours: 3 per week  Campus: Kelvin Grove  Teaching period: 2011 SEM-2

PUB509 COMMUNITY AND PUBLIC HEALTH NUTRITION
This unit includes the following: the measurement of the nutritional status of a community; nutrition monitoring and surveillance; food and nutrition policy at international, national and state levels; international nutrition issues; nutritional epidemiology; examination of the evidence of nutrition problems within Australia; at risk groups; tools and their validity for measuring nutritional status and nutrition outcome at the population and group level; and dietary
intake methodology.

**Prerequisites:** PUB201  
**Credit points:** 12  
**Contact hours:** 4 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2011 SEM-1

**PUB530 HEALTH EDUCATION AND BEHAVIOUR CHANGE**

This unit gives students the skills to bring about change in health-related behaviours through educational interventions. Topics covered include key health education and behaviour change theories, frameworks, strategies; approaches to bring about change in different contexts; research and design of educational interventions to suit different target populations in different settings, using evidence-based practice; and health literacy as a function of health education.

**Antirequisites:** PUB329, PUB341  
**Credit points:** 12  
**Campus:** Kelvin Grove  
**Teaching period:** 2011 SEM-1

**PUB541 MEDICAL NUTRITION THERAPY 1**

This unit incorporates the best of a multidisciplinary, 'whole client' view of health care. The goals of MNT in preventative care are to keep people healthy in their communities, to reduce the incidence and severity of preventable diseases, to improve health and quality of life and to reduce medical costs particularly in drug therapy, surgery, hospitalisation and extended care. A sound understanding of the process of nutrition assessment enables students to undertake the assessment, planning, implementation and evaluation of dietary intervention in the more complex disease states.

**Prerequisites:** PUB405 and LQB481, or LSB408 and LQB488 or LSB458  
**Credit points:** 12  
**Contact hours:** 5 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2010 SEM-1

**PUB606 DIETETIC MANAGEMENT**

This unit includes the following: history of dietetics and the role of management in dietetics; planning and organisation; leadership; peer review systems; total quality management; clinical costing; program evaluation and measuring effectiveness; information systems applied to dietetic management; managing change; casemix funding; management tools; marketing; planning community based programs; team building; and managing role conflict.

**Prerequisites:** Completion of 288cp including PUB645 and PUB641 and PUB506  
**Assumed knowledge:** Students are expected to have completed all theoretical units in nutrition and dietetics  
**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Kelvin Grove

**PUB628 ADVANCED FOOD STUDIES**

This unit provides students with an opportunity to acquire practical skills in the planning, preparation and delivery of nutrient altered foods suitable for a wide range of therapeutic diets. Students evaluate the outcome of incorporating nutrient modified food products into dietary regimens. Food standards, relevant developments and issues are also considered.

**Prerequisites:** PUB474 and (PUB648 or PUB541) and PUB641. PUB641 can be enrolled in the same teaching period.  
**Credit points:** 12  
**Contact hours:** 6 per week  
**Campus:** Kelvin Grove  
**Teaching period:** 2011 SEM-2

**PUB645 INTRODUCTION TO DIETETIC PRACTICE**

This unit is part of the preparation for professional dietetic practice and develops students' skills in integrating theory with practice. The unit prepares students for three practical placement units in their final year.

**[Designated unit]**

**Prerequisites:** LQB488 and LQB388 and PUB405 and PUB645 or PUB541 and PUB509 and PUB641  
**Assumed knowledge:** Completion of all prior core units in your course is assumed knowledge.  
**Credit points:** 12  
**Teaching period:** 2011 SEM-2

**PUB648 DIET, NUTRITION AND CHRONIC DISEASE**

This unit explores the most common and significant nutrition related chronic diseases of the world and introduces previous and current strategies aiming to prevent or manage these diseases. Psychosocial, cultural, political and economics factors will be discussed. Diseases covered include micronutrient deficiencies, obesity, diabetes, cardiovascular disease, cancer, dental disease and osteoporpsis.

**Prerequisites:** PUB201, LQB488 and LQB388  
**Credit points:** 12  
**Campus:** Kelvin Grove  
**Teaching period:** 2011 SEM-1 and 2011 SEM-2

**PUB723 CLINICAL DIETETIC PRACTICE**

Students are required to develop skills in the management of nutritional care of clients in the clinical setting, to a standard that allows entry to the Dietetics profession. This unit incorporates the basic strategies of the dietetic care process, such as assessment, planning, implementation and evaluation of nutritional care, for clients who have a variety of disease states. Students also need to demonstrate basic skills in research in relation to clinical outcome. [Designated unit]

**Prerequisites:** Completion of 288 cp including PUB645, PUB641 and PUB506  
**Credit points:** 24  
**Campus:**
Kelvin Grove

**PUB821 PRACTICE IN COMMUNITY NUTRITION**
This unit provides students with the opportunity, in real world settings, to further develop knowledge, confidence and skills to apply theoretical principles covered in earlier years in the area of community and public health nutrition practice. [Designated unit]

**Prerequisites:** PUB509  **Antirequisites:** PUB821-1, PUB821-2, PUB875  **Credit points:** 12  **Campus:** Kelvin Grove

**PUB822 PRACTICE IN FOODSERVICE MANAGEMENT**
This unit provides students with real problems in foodservice settings to develop skills including the planning and organising of foodservices, the application of scientific principles within foodservice management systems, and menu assessment. [Designated unit]

**Prerequisites:** Completion of 288 cp including PUB645 and PUB506  **Credit points:** 12  **Campus:** Kelvin Grove

**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

**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  **Contact hours:** 3 per week  **Campus:** Gardens Point and Kelvin Grove  **Teaching period:** 2010 SEM-1 and 2010 SEM-2

**PYB100 FOUNDATION PSYCHOLOGY**
This unit provides an introduction to the major content areas of psychology, including an introduction to psychological research and report-writing, for students intending to pursue further studies in psychology.

Psychology is a broad-ranging and multifaceted discipline which encompasses the scientific study of human behaviour, and the systematic application of knowledge gained from psychological research to a broad range of applied issues. The goal of this introductory unit is to introduce you to the major subfields and perspectives in psychology, and to develop your understanding of the research methods and report-writing conventions used in psychological research.

**Antirequisites:** PYB012  **Equivalents:** PYB101  **Credit points:** 12  **Contact hours:** 3 hours per week  **Campus:** Kelvin Grove  **Teaching period:** 2011 SEM-1, 2011 SEM-2 and 2011 SUM-1

**PYB208 COUNSELLING THEORY AND PRACTICE 1**
This unit develops the student's knowledge of the counselling process and skills and provides practice in changing the ways in which people express, conceptualise and respond to their concerns. It builds upon the communication skills and concepts introduced in PYB007 and introduces a range of counselling approaches. It emphasises skills in solution oriented approaches but also covers a range of models and skills for workers in crisis situations. It provides a basis for further studies in counselling in clinical settings requiring psychotherapeutic intervention, and other modes of delivery such as couple, family or group work.

**Prerequisites:** PYB007 or PYB074 or HHB113 or SWB104 or PYB111 or PUB209  **Credit points:** 12  **Contact hours:** 3 per week  **Campus:** Kelvin Grove  **Teaching period:** 2011 SEM-2

**SCB111 CHEMISTRY 1**
Chemistry is the central science. It affects society as well as the individual. It is the language and principal tool of the physical sciences, the biological sciences, the health sciences and the agricultural and earth sciences. A basic knowledge of chemistry is essential to all students in these areas. Knowledge of chemistry allows a better understanding of the human body and of the environment in which we live. The aim of this unit is to introduce you to the basic concepts of general, inorganic, analytical and physical chemistry.

**Antirequisites:** SCB113  **Credit points:** 12  **Contact hours:** 4.5 per week  **Campus:** Gardens Point  **Teaching period:** 2011 SEM-1 and 2011 SEM-2
SCB121 CHEMISTRY 2
Chemistry is the central science. This is a unit of fundamental importance as it covers the background and general principles that underpin understanding in many science and health related disciplines. In this unit you will be introduced to fundamental aspects of chemistry including the nature of matter, atoms, molecules and ions. From this basis you will develop an understanding of the electronic structure of atoms, chemical bonding and molecular structure as well as the fundamentals of organic chemistry (often described as the chemistry of life). The aims of this unit are to generate an understanding of the importance of chemical bonding and molecular structure and how these factors effect the properties of organic and bioinorganic molecules; and to allow recognition of, and provide an understanding of, the nature of organic functional groups and their respective reactivity.

Prerequisites: (SCB111 or PCB142). SCB111 can be studied in the same teaching period

Antirequisites: PQB105 and SCB113

Credit points: 12

Contact hours: 4.5 per week

Campus: Gardens Point

Teaching period: 2011 SEM-1 and 2011 SEM-2